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ASSESSMENT REPORT

describing

GEOLOGY, MINERALIZATION, GEOPHYSICAL SURVEYS, EXCAVATOR TRENCHING, DIAMOND DRILLING, METALLURGICAL TESTING AND MINERAL RESOURCES

Field work conducted between May 29 and August 25, 2015

at the

KLAZA PROPERTY

Klaza, Dic, BBB, Etzel, Jon-Wedge, VG, Vic,
BBB, Bull, D, J. Bill, JBF, Eagle, Dade, Desk, Wedge,
JCS, Krast, Nor, Ox, Queen, Rat, Sked, and Val Claims

NTS 115I/3 and 115I/4
Latitude 62°08′N; Longitude 137°17′W
Whitehorse Mining District, Yukon

prepared by

Archer, Cathro & Associates (1981) Limited

for

ROCKHAVEN RESOURCES LTD.

by

J. Tarswell, B.Sc., P.Geo
and
D. Walsh, B.Sc., GIT
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May 2016

CONTENTS

INTRODUCTION	1
LOCATION, CLAIM DATA AND ACCESS	1
HISTORY	4
GEOMORPHOLOGY	32
GEOLOGICAL SETTING	33
PROPERTY GEOLOGY	37
MINERALIZATION	38
SOIL GEOCHEMISTRY	50
EXCAVATOR TRENCHING	54
DIAMOND DRILLING	61
PERCUSSION DRILLING	66
GEOTECHNICAL AND HYDROGEOLOGIC TESTING	66
MINERAL PROCESSING AND METALLURGICAL TESTING	67
MINERAL RESOURCE ESTIMATION	70
DISCUSSION AND CONCLUSIONS	72
REFERENCES	76

APPENDICES

I STATEMENTS OF QUALIFICATIONS

II STATEMENT OF EXPENDITURES

III SAMPLE HANDLING AND ANALYTICAL PROCEDURES

IV CERTIFICATES OF ANALYSIS

V GEOLOGICAL AND GEOTECHNICAL LOGS

VI SIGNIFICANT DRILL INTERSECTIONS

VII GEOTECHNICAL REPORT – EBA ENGINEERING

FIGURES

No.	Description	Follows Page
1	Property Location	1
2	Work Areas	1
3A	Claim Locations - NW	In Pocket
3B	Claim Locations – SW	In Pocket
4	Detailed Access	4
5	Tectonic Setting	33
6	Property Geology	37
7	Mineral Occurrences – Mount Nansen Gold Camp	38
8	Zones and Metal Zonation – Klaza Vein System	38
9	Gold Soil Geochemistry – Mount Nansen Gold Camp	In Pocket
10	Arsenic Soil Geochemistry – Mount Nansen Gold Camp	In Pocket
11	Lead Soil Geochemistry – Mount Nansen Gold Camp	In Pocket
12	Copper Soil Geochemistry – Mount Nansen Gold Camp	In Pocket
13	Gold Soil Geochemistry – Klaza Vein System	51

14	Silver Soil Geochemistry – Klaza Vein System	51
15	Lead Soil Geochemistry – Klaza Vein System	51
16	Arsenic Soil Geochemistry – Klaza Vein System	51
17	Copper Soil Geochemistry – Klaza Vein System	51
18	VLF-EM Data – Klaza Vein System	52
19	Airborne Magnetics – First Vertical Derivative – Klaza Vein System	53
20	Trench Locations – Klaza Vein System	55
21	Diamond Drill Hole Locations – Klaza Vein System	62
22	Section 10+600 mE – Central BRX Zone	64
23	Section 9+500 mE – Western BRX Zone	64
24	Section 10+050 mE – Central Klaza Zone	65
25	Section 9+500 mE – Western Klaza Zone	65
26	Percussion Drill Hole Locations – Klaza Vein System	66
27	Location of Drill Holes Used in Metallurgical Composites	67

TABLES

Table 1: Work Area Claim Groups 1

Table 2: Claim Data 2

Table 3: Work Area 1 – Exploration History 5

Table 4: Work Area 2 – Exploration History 9

Table 5: Work Area 3 – Exploration History 21

Table 6: Work Area 4 – Exploration History 24

Table 7: Work Area 5 – Exploration History 27

Table 8: Work Area 6 – Exploration History 28

Table 9: Regional Lithologies 33

Table 10: CBM Comparison with Klaza Vein System 50

Table 11: Geochemical Data for Soil Samples 51

Table 12: 2010 to 2015 Excavator Trenching Summary 55

Table 13: Significant Trench Results – Klaza Vein System 57

Table 14: 2010 to 2015 Diamond Drilling Summary – Klaza Vein System 62

Table 15: Data for Main Mineralized Zones – Klaza Vein System 63

Table 16: Composite Head Assays 68

Table 17: Metallurgical Performance from Locked Cycle Testing of Project Wide Composite .. 68

Table 18: Projected Metallurgical Performance 69

Table 19: Variability Composite Flotation Results 69

Table 20: Inferred Resource in Pit-Constrained and Underground 70

Table 21: Inferred Mineral Resources (grade) as of December 9, 2015 by Zone 71

Table 22: Inferred Mineral Resources (tonnage) as of December 9, 2015 by Zone 71

INTRODUCTION

The Klaza property (the Property) lies within the Mount Nansen Gold Camp (MNGC), part of the Dawson Range Gold Belt, in southwestern Yukon (Figure 1). It hosts gold-silver mineralization associated with an extensive system of subparallel vein and breccia zones, collectively called the Klaza Vein System (KVS), which remains open to extension in all directions and to depth. Copper-molybdenum-gold porphyry mineralization and other areas of vein mineralization have also been discovered on the Property, but most of these targets have seen little, recent exploration.

The Property is owned by Rockhaven Resources Ltd. (Rockhaven). It comprised 1317 mineral claims and covers an area of 25,410 hectares (254.1 km²). The Property was expanded during summer 2015 to its current size through a series of transactions that added a total of 896 mineral claims. For the purpose of this report, the Property has been subdivided into six Work Areas in order to better describe historical exploration activities. Figure 2 shows the boundaries of the Work Areas, while Table 1 lists the claim groups within each Work Area.

Table 1: Work Area Claim Groups

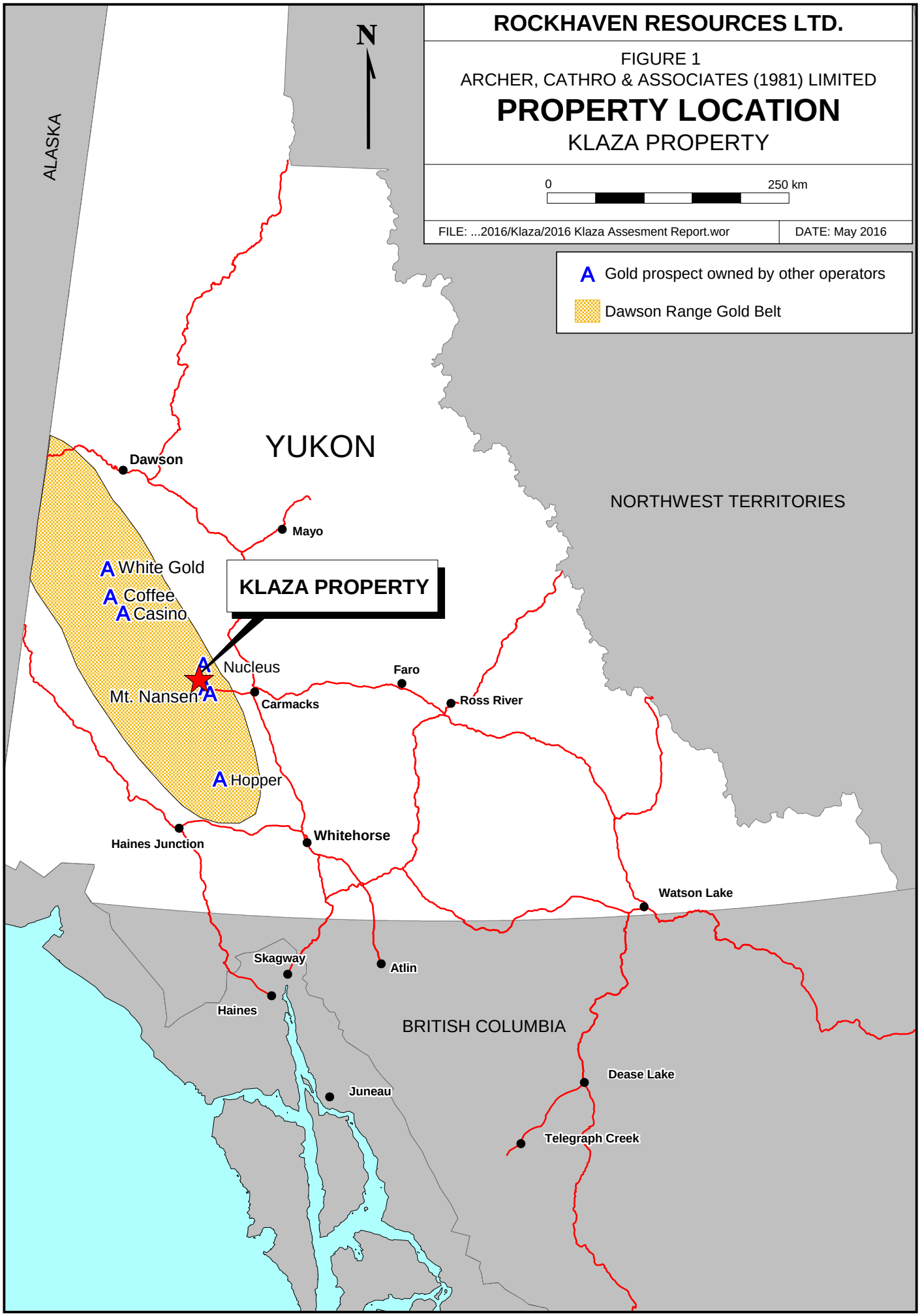
Work Area	Claim Groups	Area (km^2)
1	BBB	78.5
2	Dic, Eagle, Etzel, JCS, Klaza, Tawa, VG, Vic, and Wedge	84.7
3	Dade and Krast	21.0
4	Queen and Val	25.2
5	Nor	13.2
6	Bull, D, Desk, J. Bill, JBF, Jon-Wedge, Ox, Rat, and Sked	31.5

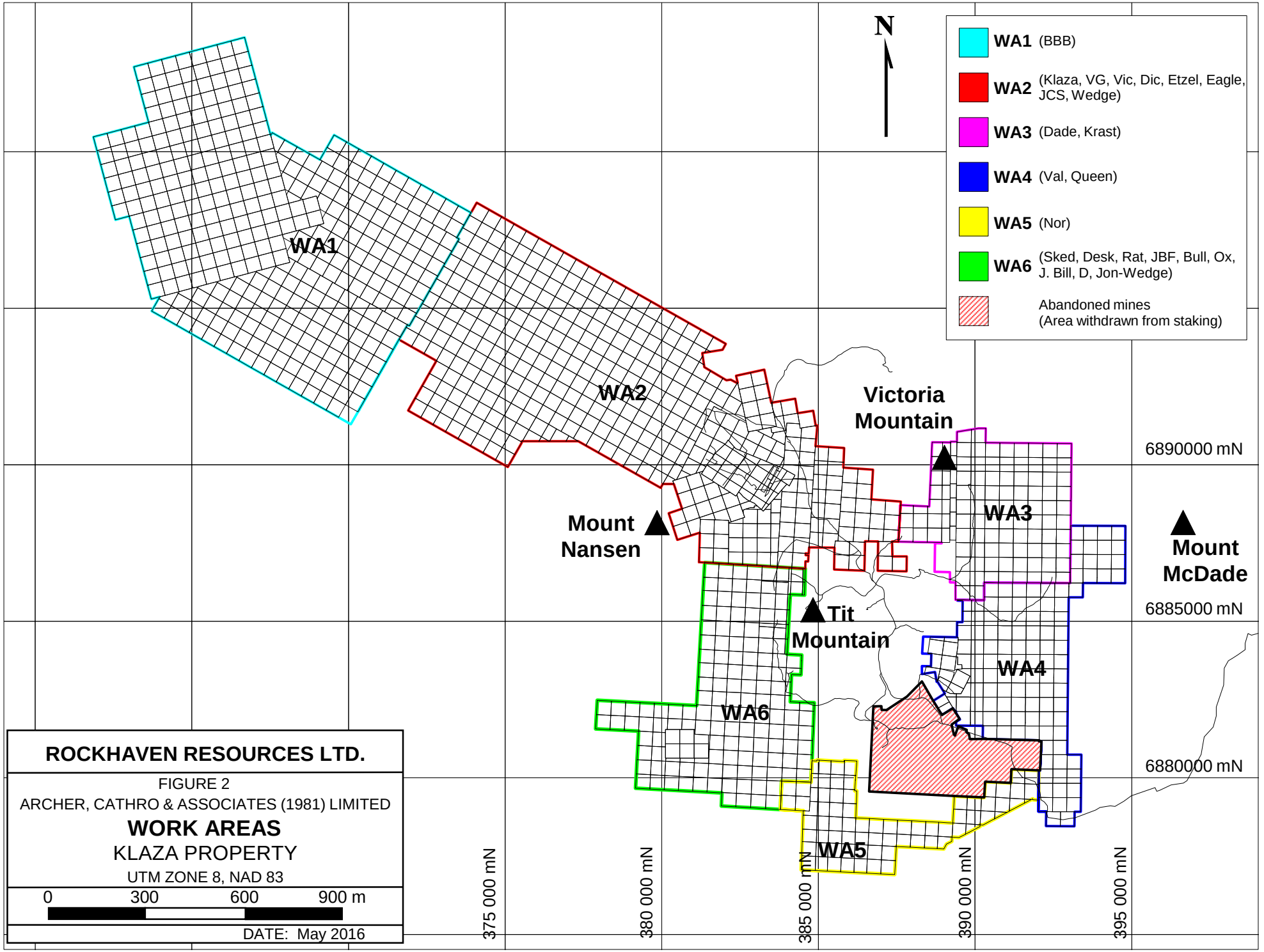
From May 29 to August 25, 2015, Rockhaven conducted 436 m of excavator trenching and 13,774 m of diamond drilling in 104 holes, on the KVS in Work Area 2. The program also included: installation of five groundwater monitoring wells and one downhole, thermistor cable; packer testing; oriented core drilling; and, continued metallurgical test work. Results from this work program were used to update a previous mineral resource estimate.

Archer, Cathro & Associates (1981) Limited (Archer Cathro) managed the exploration program. The authors participated in and supervised the program. Their Statements of Qualifications are located in Appendix I and a Statement of Expenditures is in Appendix II.

LOCATION, CLAIM DATA AND ACCESS

The Property is located in southwestern Yukon at latitude 62°08′ north and longitude 137°17′ west on NTS 115I/3 and 115I/4 (Figure 1). It comprises 1317 contiguous mineral claims, listed in Table 2. The claims are registered with the Whitehorse Mining Recorder in the names of Rockhaven or Archer Cathro, which holds them in trust for Rockhaven. A total of 132 claims (Dic, Eagle, Etzel, VG, Vic, J. Bill, Jon-Wedge, Rat, Wedge, and Bull) are subject to a 1.5% Net


ROCKHAVEN RESOURCES LTD.
FIGURE 1
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
PROPERTY LOCATION
KLAZA PROPERTY
0
250 km
FILE: ...2016/Klaza/2016 Klaza Assesment Report.wor
DATE: May 2016
A Gold prospect owned by other operators
Dawson Range Gold Belt
N
ALASKA
YUKON
NORTHWEST TERRITORIES
BRITISH COLUMBIA
Dawson
Mayo
A White Gold
A Coffee
A Casino
KLAZA PROPERTY
A Nucleus
Mt. Nansen A
Carmacks
Faro
Ross River
A Hopper
Haines Junction
Whitehorse
Watson Lake
Skagway
Haines
Atlin
Juneau
Dease Lake
Telegraph Creek


N
WA1 (BBB)
WA2 (Klaza, VG, Vic, Dic, Etzel, Eagle, JCS, Wedge)
WA3 (Dade, Krast)
WA4 (Val, Queen)
WA5 (Nor)
WA6 (Sked, Desk, Rat, JBF, Bull, Ox, J. Bill, D, Jon-Wedge)
Abandoned mines
(Area withdrawn from staking)
WA1
WA2
WA3
WA4
WA5
WA6
Victoria Mountain
Mount Nansen
Tit Mountain
Mount McDade
6890000 mN
6885000 mN
6880000 mN
375 000 mN
380 000 mN
385 000 mN
390 000 mN
395 000 mN
ROCKHAVEN RESOURCES LTD.
FIGURE 2
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
WORK AREAS
KLAZA PROPERTY
UTM ZONE 8, NAD 83
0 300 600 900 m
DATE: May 2016

Smelter Return (NSR) royalty payable to J. Dickson. The Desk claims are subject to 1% NSR royalties on precious metals (total 2%) and 1/2% NSR royalties on other metals (total 1%), which are payable to R. Hulstein and the estate of R. Stroshein. The other 1179 claims are not subject to any underlying royalties. Specifics concerning claim registration are tabulated below, while the locations of individual claims are shown on Figures 3A/3B.

Table 2: Claim Data

Claim Name		Grant Number	Expiry Date
BBB	1-96	YD56331-YD56426	April 15, 2023
	97-152	YD58527-YD58582	April 15, 2023
	153-172	YD62853-YD62872	April 15, 2023
	173-255	YD113413-YD113495	April 15, 2023
	256-384	YE60326-YA81421	April 15, 2023
Dic	1-7	YA93470-YA93476	January 11, 2033
	101-106	YB35470-YB35475	January 11, 2034
Eagle	1-12	YB35415-YB35426	January 11, 2034
Etzel	1-12	YA86336-YA86347	December 1, 2040
	13-17	YA86348-YA86352	December 1, 2039
	18-20	YA86353-YA86355	December 1, 2040
	21-28	YA86356-YA86363	December 1, 2039
	29-32	YA86364-YA86367	December 1, 2040
	33	YS86368	December 1, 2036
	34	YA86369	December 1, 2040
	35-44	YA86370-YA86379	December 1, 2037
	45-50	YA86380-YA86385	December 1, 2039
JCS	1-3	YC25916-YC259918	December 1, 2028
Klaza	1-17	YC37984-YC38000	January 11, 2036
	18-24	YC39051-YC39057	January 11, 2036
	25-40	YD09205-YD09220	January 7, 2036
	43-64	YD09223-YD09244	January 7, 2036
	65F-66F	YC99541-YC99542	January 11, 2036
	68-129	YD07149-YD07210	January 11, 2036
	133-166	YD07214-YD07247	January 11, 2036
	167-308	YD119737-YD119878	January 11, 2032
	309	YD110502	January 11, 2032
	310-311	YC97706-YC97707	January 11, 2033
	314-316	YC97722-YC97724	January 11, 2033
	317-319	YC99801-YC99803	January 11, 2027
	320-357	YE66241-YE66278	January 11, 2024
VG	1-4 (1)	YA86406-YA86409	December 1, 2037
	5-8 (1)	YA86410-YA86413	December 1, 2029
Vic	2 (1)	YA86309	December 1, 2039
	75 (1)	YC19429	December 1, 2037
	76-78 (1)	YC19430-YC19432	December 1, 2040
Wedge	11-14 (1)	YA82177-YA82180	December 1, 2029

Dade	1-16	YD07685-YD07700	March 23, 2027
	17-54	YD108507-YD108544	March 23, 2024
	77-90	YD108567-YD108580	March 23, 2020
	91-96	YC97716-YC97721	March 23, 2025
	97-106	YD07248-YD07257	March 23, 2021
Krast	1-32	YD74101-YD74070	January 11, 2020
Queen	1-121	YE60731-YE60851	April 24, 2020
Val	1-9	YC25903-YC25911	February 24, 2026
	10-15	YE85801-YE85806	February 24, 2026
Nor	1-74	YE60651-YE60724	April 24, 2020
Bull	1-2 (1)	YA81420-YA81421	December 1, 2036
	12 (1)	YA86291	February 29, 2028
	14 (1)	YA86293	February 29, 2028
	16-20 (1)	YA86295-YA86299	February 28, 2027
	21-28 (1)	YA86300-YA86307	February 28, 2022
D	1-2	YB57373-YB57374	January 20, 2022
	3-4	YB57375-YB57376	January 20, 2030
Desk	1-6 (2)	YC47461-YC47466	March 23, 2020
J. Bill	1-2 (1)	YA78049-YA78050	February 28, 2022
	3-4 (1)	YA78051-YA78052	February 28, 2023
	5-12 (1)	YA78053-YA78060	February 28, 2022
	13 (1)	YA78061	February 2, 2030
	14 (1)	YA78062	February 2, 2034
	15-16 (1)	YA78063-YA78064	February 2, 2030
	17-24	YA78065-YA8072	February 28, 2022
	25-28	YA78073-YA8076	February 28, 2022
	29-30 (1)	YA78077-YA78078	February 28, 2030
	31-32 (1)	YA78079-YA78080	February 28, 2034
JBF	6	YB36958	December 1, 2028
	10	YB54543	December 5, 2029
Jon-Wedge	1 (1)	YB35895	December 1, 2030
	2 (1)	YB35896	December 1, 2028
	3 (1)	YB35897	December 1, 2020
	4 (1)	YB35898	December 1, 2021
	5-6 (1)	YB35899-YB35900	December 1, 2020
Ox	1-20 (1)	YA86386-YA86405	December 20, 2020
Rat	1-8 (1)	YA81428-YA81435	February 28, 2022
	9-24 (1)	YA81436-YA81451	February 28, 2023
	25-40 (1)	YA81452-YA81467	February 28, 2022
Sked	1-30	YD07655-YA07684	March 23, 2022
	31-36	YC99722-YC99727	March 23, 2022

Notes: (1) Dickson Royalty 1.5% NSR on all production.
(2) R. Hulstein and R. Stroshein Estate each have 1% NSR on precious metals and 0.5% NSR on non-precious metals.
*Expiry dates include 2015 work which has been filed for assessment credit but not yet accepted.

The Property is located 50 km due west of Carmacks. It can be reached from Whitehorse by driving 180 km north on Highway #2 (the Klondike Highway) to Carmacks, then 60 km west on the two-wheel drive Nansen Road to the site of the former Mount Nansen Mine. The Nansen Road is a gravel road maintained by the Yukon Territorial Government. From the mine-site, the road deteriorates in quality but continues approximately 14 km north to the KVS and placer operations in the Klaza River valley.

By road, the Property is 250 km from Whitehorse and 420 km from the year-round tidewater port at Skagway, Alaska.

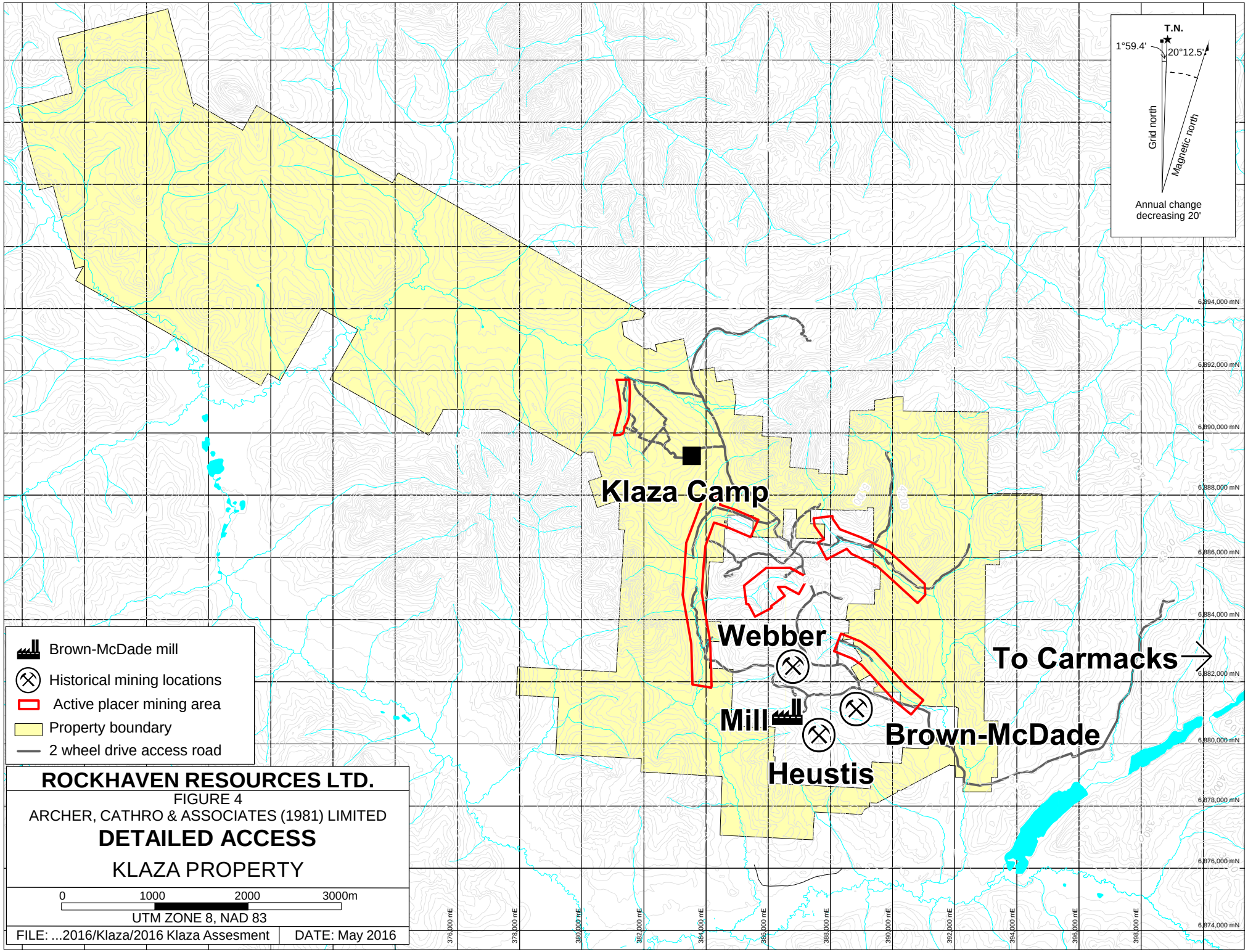
The 2015 exploration program was conducted from a tent frame camp located within the KVS. All of the main areas of exploration interest on the Property can be reached by a network of four-wheel drive roads and trails that connect to the Nansen Road (Figure 4).

HISTORY

The following exploration history was mostly compiled from the Yukon Minfile Database (Deklerk, 2004) and assessment reports submitted to the Whitehorse Mining Recorder.

Mount Nansen Gold Camp (MNGC) hosts more than 30 mineral occurrences of epithermal or porphyry origin, including the former Brown-McDade, Heustis and Webber mines. The Property covers most of the MNGC, but there is a large hole in Rockhaven's claim coverage in the southeastern part of the camp. This hole contains claims owned by two private groups, some of which overlie Category "A" lands of the Little Salmon/Carmacks First Nations, and a 40 km^2 region that encompasses the former Mount Nansen mill and the Brown-McDade and Huestis mines. This later area is under assessment and administration of the Abandoned Mines Branch, a department of the Yukon Territorial Government. Some of the historical exploration activities described in various Work Areas overlap areas within the hole.

From 1964 to 1966 Peso Silver Mines Ltd (Peso) owned Mount Nansen Mines Ltd. (Mount Nansen Mines) and explored the Webber and Huestis Veins with 2107 m of underground development and 2226 m of diamond drilling. In 1968, Canadawide Investments Ltd (Swiss financing) acquired control of Mount Nansen Mines and, from September 1968 to April 1969, it completed 976 m of drifting on the Huestis Vein and operated a 163 t/day mill. Production during this period totalled 85,133 g gold, 2625 g silver and 49,207 kg lead. Peso reopened the mine in 1975 and, during 1976, it mined 7451 t of rock and milled 5844 t of ore grading about 10.3 g/t gold, 240.1 g/t silver, 1.0% lead and 1.0% zinc. In 1979, Peso changed its name to Rex Silver Mines Ltd and, in 1980, it transferred the Mount Nansen property to Schweizerische Gesellschaft. In 1981, Nansen Mining Corporation (Nansen Mining) acquired the property. Nansen Mining conducted a feasibility study in 1983, before selling the property to BYG Natural Resources Inc (BYG) in 1984 (YGS Minfile 115I 065). BYG optioned the property to Chevron Minerals Ltd. (Chevron) in late 1985 and, from 1986 to 1988, Chevron conducted a multi-facet


T.N.
1°59.4'
20°12.5'
Grid north
Magnetic north
Annual change
decreasing 20'
Klaza Camp
Webber
Mill
Heustis
Brown-McDade
To Carmacks
Brown-McDade mill
Historical mining locations
Active placer mining area
Property boundary
2 wheel drive access road
ROCKHAVEN RESOURCES LTD.
FIGURE 4
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
DETAILED ACCESS
KLAZA PROPERTY
0
1000
2000
3000m
UTM ZONE 8, NAD 83
FILE: ...2016/Klaza/2016 Klaza Assesment
DATE: May 2016

exploration program that included geochemical surveys, trenching, drilling and metallurgical studies.

BYG preformed open pit mining at the Brown-McDade Vein from 1996 to 1999. It refurbished the mill and produced approximately 1,063,107 g gold and 4,025,632 g silver (Stroshein, 2001). Mining and milling were shut down in spring 1999, due to violation of the water licence. BYG went into receivership in May 1999. The Government of Canada took over mine-site maintenance in July 1999 and declared the property abandoned in August 1999. The Yukon Territorial Government accepted responsibility of the site in 2003 and later sold off mineral claims surrounding the mine-site to a private company. The mill, tailings pond and Brown-McDade and Huestis mines are now administrated by the Abandoned Mines Branch and the area is withheld from staking.

Placer exploration and mining have been conducted intermittently on a number of creeks within the MNGC since 1899. Creeks that are currently being mined are shown on Figure 4.

Between 1899 and 2014, several operators explored on various claim groups that now lie within one or more of the Work Areas on the Property. Although strong geochemical and geophysical anomalies were identified by this work, follow-up trenching and drilling produced sporadic results, in part because of physical and technological limitations (early bulldozer trenches rarely reached bedrock, often because of permafrost, and small diameter drill holes typically gave poor core recoveries, especially in the more fractured, mineralized intervals). The following tables (organized by Work Area) summarize historical exploration and list the year of work, report reference, owner/operator, claim group name, work performed and highlight results for each exploration program.

Table 3: Work Area 1 – Exploration History

Year of Work (Report)	Owner/ Operator	Claim Group/Target	Work Performed	Results
1969 (Cathro and Culbert, 1969)	Dawson Range Joint Venture	BBB area	Regional exploration including geochemical sampling.	A stream sediment sample returned 10 ppm Cu and 51 ppm Pb.
1974 (Cathro, 1974)	Klotassin Joint Venture	BBB area	Prospecting and mapping.	n/a
1975 (Cathro and Culbert, 1976)	Klotassin Joint Venture	BBB area	Soil and stream sampling	Highest samples ran at 114 ppm Cu, 48 ppm Pb, and 155 ppm Zn.
1980 (Archer and Onasick, 1980)	NAT Joint Venture	BBB area	Reanalysis of over 5000 geochem samples	Most anomalous samples graded 110-500 ppb Au.
1985	Geological Survey of	BBB area	Stream and water sampling	n/a

	Canada			
1986 (Main, 1987)	Chevron Minerals Ltd.	Toast	Toast claims staked - some overlap with current BBB property.	n/a
1987 (Main, 1987)	Big Creek Joint Venture	Toast	Mapping, prospecting, geochem sampling	Highest soil sample value was 55 ppb Au.
1987 (Curley, 1987)	E. Curley	Jam	Staked Jam claims	Failed to locate the source of previous stream anomaly.
2010 (Chung, 2011)	Strategic Metals Ltd.; Wolverine Metals Ltd.	BBB 1-16	Staked BBB 1-16, geochem sampling. Optioned claims to Wolverine Minerals Ltd., which then staked BBB 17-255.	The best sample returned 43 ppb Au, 84 ppm As, 158 ppm Cu, 192 ppm Zn, and 16 ppm Pb.
2011	Wolverine Minerals Ltd.	BBB 1-255	Geochemical sampling (1846 soil samples), prospecting, geophysical surveys	Maximum soil sample values graded 836 ppm Au, 82 ppm As, 32.9 ppm Ag, and 186 ppm Cu.
2012 (Mac Gearailt, 2012)	Goldstrike Resources Ltd.	BBB 1-255	Prospecting, mapping immediately SE and E of the BBB property	High grade samples returned 116.5 ppb Au, 1.7 Ag, and 479.9 ppm As.
2013 (Burrell, 2013b)	Strategic Metals Ltd.	BBB 1-255	Prospecting, mapping.	Mapped linear lows that correlated with geophysical lows.
2014 (Burrell, 2014)	Strategic Metals Ltd.	BBB 1-384	Staked BBB 256-384 claims and ran a 987 sample soil grid.	Correlation between geophysical lows and soil anomalies was poor, possibly due to thick overburden and difficulties in locating geophysical trends.

In 1969, the Dawson Range Joint Venture performed regional exploration in the Dawson Range. During that program, 18 stream sediment samples were collected from what are now the BBB claims. Those samples returned up to 10 ppm copper, up to 51 ppm lead and negligible molybdenum (Cathro and Culbert, 1969).

In 1974, the Klotassin Joint Venture (KJV), made up of Newconex Canadian Exploration Ltd., Marietta Resources International Ltd. and Molybdenum Corporation of America, carried out regional exploration in the Dawson Range. Work performed included 1:50,000 scale reconnaissance-style prospecting, mapping and geochemical sampling (Cathro, 1974). No samples were collected on the current BBB claims during this program.

In 1975, KJV continued its exploration with geochemical soil and stream sediment sampling. Forty-four soil samples and three stream sediment samples were collected in the area of the BBB claims. These samples were analyzed for copper, molybdenum, lead and zinc. The samples returned weakly to moderately anomalous values for copper (up to 114 ppm), lead (up to 48 ppm) and zinc (up to 155 ppm). Molybdenum analyses returned background values (Cathro, 1976).

In 1980, the NAT Joint Venture (NAT JV), which comprised Chevron Canada Limited and Armco Mineral Exploration Ltd., explored the Dawson Range. Part of the NAT JV program involved reanalyses of over 5000 previously collected geochemical sample splits for gold, silver, arsenic and lead. A total of 21 soil samples and 37 stream sediment samples were reanalyzed from the area of the BBB claims. Three stream sediment samples from one drainage returned between 110 to 150 ppb gold while samples from two other, nearby drainages yielded 500 ppb and 100 ppb gold (Archer and Onasick, 1980).

In 1985, the Geological Survey of Canada (GSC) conducted a low-density stream sediment and water sampling survey on NTS map sheet 115I (Friske et al., 1985). Twelve samples were taken from ten creeks draining the area of the BBB claims. These samples returned only background values.

In 1986, the Toast claims were staked by Freegold Venture (Chevron Minerals Limited) to cover the source area of a 12 ppb gold-in-silt anomaly discovered by the GSC. Part of the historical Toast property overlaps the southeastern part of the current BBB claim area; however, the elevated gold-in-silt sample was collected from a creek northeast of it, within Work Area 2. A small amount of work was performed by Freegold Venture, but no results were reported (Main, 1987).

In 1987, the Toast claims were optioned to Big Creek Joint Venture (BCJV), which comprised Big Creek Resources Ltd. and Rexford Minerals Ltd. A mapping, prospecting and geochemical sampling program was performed by Archer Cathro on behalf of BCJV. Twenty-five stream sediment samples were collected, the best of which returned 55 ppb gold. Thirty-seven soil samples were also collected at 100 m spacing, with two of those samples yielding 25 ppb and 20 ppb gold. The program was unable to reproduce the anomaly discovered by the GSC, and no further work was recommended (Main, 1987). According to Mann and Slack (1996), a sample of mineralized float collected from the Toast property by a private company assayed 27.2 g/t gold and a heavy mineral concentrate yielded 14,000 ppb gold.

In 1987, independent prospector E. Curley staked the Jam claims to cover a stream sediment gold anomaly in another region located on the southeastern edge of the current BBB claim block.

Soil sampling at approximately 90 m spacings failed to identify a source for the anomaly (Curley, 1987).

In 2010, Strategic staked the BBB 1-16 claims and performed widely spaced soil and silt sampling on them. A total of 59 soil and 72 silt samples were collected for analysis. Soil sampling yielded some weakly to moderately anomalous gold (22 ppb) and copper (88 ppm) values, but low values for other elements. The most anomalous silt samples returned peak values of 43 ppb gold, 84 ppm arsenic, 158 ppm copper, 192 ppm zinc and 16 ppm lead. In September 2010, Strategic optioned the BBB claims to Wolverine Minerals Ltd. (Wolverine), along with other properties in the Yukon. Wolverine subsequently expanded the claim block to adjoin the Klaza claim group (Work Area 2) and cover the probable source area of the reported mineralized float on the old Toast property (Chung, 2011).

In 2011, Wolverine conducted geochemical sampling, prospecting and geophysical surveys on the BBB claims. Rock samples generally returned low values for gold, arsenic, silver and copper. The one exception was a rock that yielded an elevated value for silver (63.5 ppm). A total of 1846 soil samples and 52 sieve silt samples were collected in 2011. Peak values from soil sampling were 836 ppb gold, 82 ppm arsenic, 32.9 ppm silver and 186 ppm copper (Smith, 2012). Sieve silt samples returned up to 424.6 ppb gold. A 396 line kilometre helicopter-borne magnetic and radiometric survey was completed by New-Sense Geophysics Ltd. over most of Work Area 1. First vertical derivative evaluation of the magnetic data delineated a number of northwest-trending lows, several of which show good correlation with weakly to strongly anomalous gold-in-soil values (Smith, 2012).

In 2012, Goldstrike Resources Ltd. (Goldstrike) conducted prospecting and geological mapping on ground immediately southwest and east of the BBB claims. Goldstrike's sampling returned peak values of 116.5 ppb gold, 1.7 ppm silver and 479.9 ppm arsenic, but the ground was allowed to lapse following this work (Mac Gearailt, 2012).

In 2013, Strategic conducted prospecting and geological mapping on the BBB 1-255 claims.

In early August 2014, Strategic staked the BBB 256-384 claims to cover prospective ground identified by Goldstrike's sampling in 2012. Another geochemical sampling program collected 987 soil samples, including samples taken from the bottoms of 34 hand pits that were dug within areas of low magnetic susceptibility. Soil sample results were disappointing, possibly due to thick overburden (Burrell, 2014).

In 2015, Rockhaven acquired the BBB claims from Strategic as part of a large property-swap transaction.

Table 4: Work Area 2 – Exploration History

Year of Work (Report)	Owner/ Operator	Claim Group/Target	Work Performed	Results
1937 (none)	K. Paulson	n/a	Prospecting.	Rumour of high-grade silver-lead float (Eaton, 1986).
1948	G. Dickson	n/a	Bulldozer trenching.	n/a (Eaton, 1986).
1967 (none)	J. Smith	May	Soil sampling and bulldozer trenching.	Anomalous silver and lead soil geochemistry, but no vein was intersected by trenching (Campbell and Guardia, 1969).
1968 (Parker, 1968)	Esansee Explorations Ltd.	May	Geochemical and geophysical surveys and bulldozer trenching.	Peak soil values were 8200 ppm lead, 125 ppm silver and 800 ppm arsenic. Specimen samples of "fissure" vein cut in a bulldozer trench returned peak values of 34.3 g/t gold, 2057.1 g/t silver, 44% lead and less than 1% zinc.
1969 (Campbell and Guardia, 1969)	Esansee Explorations Ltd.	May	Bulldozer trenching and road building.	A chip sample returned 15.09 g/t gold and 483 g/t silver over 1.83 m. A 14 km road (considered an extension of the Mount Nansen Mine road) was built from the Mount Nansen Mine campsite to the May claims.
1971 (McClintock, 1986)	Cyprus Mines Corporation	Wedge	Mapping, geochemical sampling, geophysical survey, trenching, 6 diamond drill	Drill logs were submitted to the Yukon Government, but were not discussed. No other results available.

			holes, and 1 percussion hole totalling 1115 m drilled.	
1973 (Dickinson and Lewis, 1973)	Area Exploration Company	Betty, Bun, and Crow	Percussion (283.5 m) and diamond (776.1 m) drilling.	Two percussion drill holes (283.5 m) and three diamond drill holes (776.1 m) were completed to test a 700 by 900 m copper-in-soil geochemical anomaly.
1975 (Aho et al., 1975)	Kerr Addison Mines Ltd.	Dic	Geological, geochemical, and geophysical surveys.	A total of 216 soil and 45 rock samples were collected for analysis and 4.0 line kilometres of magnetic and 2.8 line kilometres of VLF-EM surveys were conducted.
1980 (Saunders, 1980a and 1980b)	BRX Mining & Petroleum Corp.	Tawa	Geochemical sampling, bulldozer trenching, and diamond drilling (447.3 m in 7 holes).	Soil sampling identified northwesterly trending linear anomalies. The best interval from diamond drilling returned 8.64 g/t gold and 25.68 g/t silver over 6.0 m including 24.5 g/t gold and 50.1 g/t silver over 1.5 m (80-6).
1981 (Brownlee, 1981)	BRX Mining & Petroleum Corp.	Tawa	Electromagnetic and proton magnetometer surveys.	Both surveys highlighted coincident, northwesterly trending anomalies.
1984 (McClintock, 1986)	G. Dickson	Wedge	Staked the Wedge claims.	n/a
1985 (McClintock,	G. Dickson	Wedge	Limited trenching.	n/a

1986)				
1986 (McClintock, 1986)	Pearl Resources Ltd.	Wedge	222 soil geochemical samples.	Identified several NW trending soil anomalies (Au, Ag, Pb, and Zn).
1986 (Eaton, 1986)	Chevron Minerals Ltd.	Tawa	Mapping, prospecting, bulldozer trenching and an electromagnetic survey.	Deepening historical trenches returned 5.28 g/t gold and 132.0 g/t silver over 2 m. Geophysical and geochemical anomalies extended to 1900 and 2000 m, respectively.
1986 (McClintock, 1986)	Pearl Resources Ltd.	Etzel	Geological mapping and geochemical sampling	Geochemical sampling returning gold-in-soil values up to 310 ppb and silver-in-soil values up to 54.5 ppm. The best chip sample returned 0.99 g/t gold over 1 m.
1987 (Eaton and Walls, 1987)	Chevron Minerals Ltd.	Tawa	Road building, bulldozer trenching and claim staking.	Trench T-11 at the Klaza Zone returned 4.22 g/t gold and 47.3 g/t silver over 8.0 m including 4.27 g/t gold and 86.7 g/t silver over 1.0 m. Trenching at the BRX Zone intersected 3.12 g/t gold and 46.3 g/t silver over 7.0 m including 6.99 g/t gold and 41.1 g/t silver over 1.5 m (T-14) and 6.86 g/t gold and 160.1 g/t silver over 2.5 m (T-16).
1988 (Eaton and Walls, 1988)	Chevron Minerals Ltd.	Tawa	Excavator trenching (1924 m) and six diamond drill	Trenching exposed a vein in T-22 that returned 16.3 g/t gold and

			holes (377 m).	1289.1 g/t silver over 1.7 m. A drill hole testing the down-dip continuity of this interval returned 6.03 g/t gold and 129.9 g/t silver over 1.36 m (Hole 88-6).
1988 (Sutherland, 1988)	Chesbar Resources Inc.	Dic	Stream sediment sampling, prospecting and trenching.	Silt sampling returned values up to 1050 ppb gold, while 75% of values were less than 10 ppb gold. Prospecting yielded a peak value of 220 ppb gold. Historical trenches (7.8 km) were deepened, but hindered by frozen ground.
1989 (Eaton, 1989)	BYG Natural Resources Inc. and Chevron Minerals Ltd.	Tawa	Road construction and excavator trenching (580 m).	n/a
1992 (Langdon, 1992)	Aurchem Exploration Ltd.	Wedge	RC drilling.	RC drilling confirmed anomalies identified by geophysics, trenching, and soil geochemistry. Some samples returned Cu-Mo anomalies, with minor Au and Ag.
1996 (Dujakovic et al., 1996)	BYG Natural Resources Inc.	Tawa, KR and Dic	Very low frequency electromagnetic, magnetic (VLF-EM) and geochemical surveys.	Northwesterly trending VLF-EM and magnetic anomalies and soil geochemical values up to 1825 ppb gold and 1049 ppm copper.
1999	BYG	Gerald and	Overburden	Klaza Zone drilling

(Stroshein, 1999)	Natural Resources Inc.	Tawa	stripping and diamond drilling (307.8 m in 3 holes).	returned 3.82 g/t gold and 84.7 g/t silver over 5.05 m (TA-98-8). BRX Zone drilling returned 0.24 g/t gold and 1.3 g/t silver over 55.75 m (TA-98-9).
2001 (Stroshein, 2001)	Aurchem Exploration Ltd.	Wedge	Mapping, soil sampling, and trenching collecting 42 chip samples.	Silicification was revealed in trenches. Chip samples have anomalous Au and Ag.
2003 (Stroshein, 2004)	Aurchem Exploration Ltd.	Etzel	Excavator trenching	The best trench result was from a clay-rich zone that graded 6.05 g/t gold and 15.3 g/t silver over 6.0 m.
2005 (Wengzynowski, 2006)	ATAC Resources Ltd.	Klaza	Staked Klaza 1-24 claims before optioning them to Bannockburn Resources Limited.	n/a
2009 (Turner and Tarswell, 2011)	ATAC Resources Ltd. – Rockhaven Resources Ltd.	Klaza	ATAC sold the Klaza 1-24 claims to Rockhaven Resources Ltd.	n/a
2010 (Turner and Tarswell, 2011)	Rockhaven Resources Ltd.	Klaza	Claim staking, geophysical surveying, diamond drilling, excavator trenching, and soil geochemical sampling.	Best drill intercept returned 3.23 g/t gold and 117.7 g/t silver over 36.50 m. Several additional coincident geochemical and geophysical anomalies were identified. Peak soil geochemical values were 856 ppb gold, 5.8 ppm silver, 494 ppm lead and

				349 ppm arsenic.
2011 (Tarswell and Turner, 2012)	Rockhaven Resources Ltd.	Klaza	Geophysical surveying, diamond and reverse circulation drilling, excavator trenching, soil geochemical sampling, and air photo surveys.	Best drill intercept returned 5.43 g/t gold and 50 g/t silver over 14.80 m. Peak soil geochemical values were 320 ppb gold, 61.3 ppm silver, 606 ppm lead and 213 ppm arsenic.
2011 (Great Bear Resource, 2012a)	Great Bear Resources Ltd.	Etzel	Diamond drilling, excavator trenching, and soil geochemical sampling.	Best drill intercept returned 0.58 g/t gold and 2.4 g/t silver over 40.65 m.
2012 (Great Bear Resource, 2012b)	Great Bear Resources Ltd.	Etzel	Diamond drilling and soil geochemical sampling.	Best drill intercept returned 2.30 g/t gold and 7.0 g/t silver over 1.16 m.
2012	Rockhaven Resources Ltd.	Dic and Eagle	Purchased Dic and Eagle claims from J. Dickson	n/a
2012 (Tarswell and Turner, 2013)	Rockhaven Resources Ltd.	Klaza, Dic and Eagle	Diamond drilling, excavator trenching, and soil geochemical sampling.	Best drill intercept returned 5.78 g/t gold and 111 g/t silver over 15.62 m. Peak soil geochemical values were 920 ppb gold, 20.9 ppm silver, 722 ppm lead and 1750 ppm arsenic.
2012	Rockhaven Resources Ltd.	Etzel	Purchased Etzel claims from Ansell Capital Corp.	n/a
2012	Rockhaven Resources Ltd.	Vic, VG, J. Bill#, D, Bull, JBF and Jon-Wedge	Purchased claims from Aurchem Exploration Ltd.	n/a
2013 (Tarswell and Turner, 2014)	Rockhaven Resources Ltd.	Klaza	Excavator trenching	Best trench result was 5.61 g/t gold and 300 g/t silver over 18.79 m
2014	Rockhaven	Klaza	Geophysical	Best drill intercept

(Dumala, Tarswell and Turner, 2015)	Resources Ltd.		surveys, excavator trenching, diamond drilling, and metallurgical testing	returned 16.29 g/t gold and 1435 g/t silver over 1.37 m.

The main exploration programs and their results are described in more detail in the following paragraphs. Nearly all of the work was done at the KVS, in the eastern third of the Work Area 2.

In 1968, Esansee Explorations Limited (Esansee) completed geophysical and geochemical surveys on approximately 5000 m of grid lines over some of the veins that now comprise the KVS. An electromagnetic (EM) survey identified three conductive zones (two major and one minor). Bulldozer trenching across one of these zones reportedly cut a 6 m wide gold-silver-lead bearing fissure vein, which was traced for 760 m. Specimen samples from this vein reportedly returned up to 34.3 g/t gold, 2057 g/t silver and 44% lead, with less than 1% zinc. Three hundred and fifteen grid soil samples were collected. Soil sample results included peak values of 8,200 ppm lead, 125 ppm silver and 800 ppm arsenic, and showed strong positive correlation with conductive zones (Parker, 1968).

In 1969, Esansee performed trenching to follow up geophysical and geochemical anomalies identified by its earlier program. Three bulldozer cuts were made along the 760 m length of the vein, and a fourth trench was dug on a weaker parallel structure to the northeast. All trenches across the primary structure intersected wide zones of shearing and alteration, which host irregular and discontinuous vein material with weakly disseminated galena, pyrite and arsenopyrite. Oxidation of sulphide minerals produced limonite, cerussite and anglesite. A chip sample collected from the most northwesterly trench returned 15.09 g/t gold and 483 g/t silver over 1.83 m (Campbell and Guardia, 1969). All claims in the area lapsed following this work.

In 1971, Cyprus Mines Corporation (Cyprus Mines) conducted an exploration program in the vicinity of the western-most Wedge claims (southeastern corner of Work Area 2), which consist of mapping, geochemical surveys, geophysical surveys, trenching and a small drilling program (McClintock, 1986). The drill logs for six diamond drill holes and a single percussion hole were submitted to the Mining Recorder; however, the analytical results were not released.

Between 1971 and 1973, Area Exploration Company (Area Exploration) conducted an extensive program of percussion and diamond drilling on claims belonging to Mount Nansen Mines. Area Exploration's drilling was done near the Cyprus Mines' holes, on a porphyry copper target (Cyprus Zone). Most of Area Exploration's work was located on claims now owned by private companies, immediately south and east of Work Area 2. Two of Area Exploration's percussion drill holes (283.5 m) and three of its diamond drill holes (776.1 m) tested a second porphyry target, the Kelly Zone, which lies between the KVS to the northwest and the Cyprus Zone to the southeast. These holes partially tested a 700 by 900 m copper-in-soil geochemical anomaly that coincides with a large, circular magnetic low (Dickinson and Jilson, 1973). The best result from diamond drilling within the Kelly Zone was 0.10% copper over 6.10 m (1973-CD-17), while the best percussion drilling result was 0.343 g/t gold, 9.94 g/t silver, 0.02% copper and 0.01% lead over 6.10 m (1971-CP-8).

In 1980, BRX Mining and Petroleum Corp. (BRX) staked the Tawa claims to cover the KVS where Esansee performed its work in the late 1960s. The area of the Tawa claims is now approximately covered by Rockhaven's Klaza 1-24 claims. BRX's 1980 exploration included geochemical sampling, bulldozer trenching and 447.3 m of diamond drilling in seven holes. Soil sampling identified linear, northwest-trending geochemical anomalies with very high values locally. The anomalous geochemical values often coincide with electromagnetic anomalies identified earlier by Esansee. The bulldozer trenching program involved re-opening Esansee's trenches. The main mineralized structure exposed in the trenches was reported to strike 110 to 140° and dip steeply to the northeast (sic). Chip sample values across vein exposures typically ranged from 1.78 g/t gold and 77.8 g/t silver over 0.06 m to 6.0 g/t gold and 54.2 g/t silver over 0.91 m, with the best interval returning 33.0 g/t gold and 607.5 g/t silver over 0.3 m (Saunders, 1980a). Three of the drill holes were collared subparallel to the veins and did not encounter significant mineralization. The other four diamond drill holes intersected fault and vein zones within granitic country rock. Highlight intervals from this drilling were: 8.64 g/t gold and 25.68 g/t silver over 6.0 m including 24.5 g/t gold and 50.1 g/t silver over 1.5 m (80-6); 18.86 g/t gold and 32.0 g/t silver over 0.3 m (80-2); and, 9.26 g/t gold and 65.1 g/t silver over 0.4 m (80-5). Core recovery was poor within areas of strong alteration and gouge, associated with the faults and veins.

In 1981, BRX conducted EM and proton magnetometer surveys on the Tawa claims. The EM survey identified a series of en-echelon, northwest-trending conductors, while the proton magnetometer survey delineated magnetic lows that correlate with the EM conductors (Brownlee, 1981).

Gordon Dickson staked the Wedge claims in 1984, and carried out a small trenching program in 1985 (McClintock, 1986). Pearl Resources Ltd. (Pearl Resources) optioned the Wedge claims from Dickson in 1986 and collected 222 soil samples, which identified northwest-trending anomalies for gold, silver, lead and zinc (McClintock, 1986).

In 1985, Kerr Addison Mines Limited (Kerr Addison) staked the Dic 1-50 claims to cover an arsenic and antimony stream sediment anomaly on the north side of Mount Nansen, south-southwest of the Tawa claims. Kerr Addison also acquired the Vic and VG claims from G. Dickson. Kerr Addison performed geological, geochemical and geophysical surveys on the Dic claims. A total of 216 soil and 45 rock samples were collected for analysis and 4.0 line kilometres of magnetic and 2.8 line kilometres of VLF-EM surveys were conducted. The best rock sample returned 0.48 g/t gold, 88 g/t silver, 1600 ppm arsenic and 180 ppm antimony, while soil values peaked at 400 ppb gold, 27 ppm silver, 2000 ppm arsenic, and 46 ppm antimony (Heberlein, 1985).

In 1986, Pearl Resources performed geological mapping and geochemical sampling on the Etzel claims. Results from soil samples collected on three separate grids identified linear, northwesterly trending anomalies with maximum values of 310 ppb gold, 54.5 ppm silver, 1980 ppm lead and 1160 ppm zinc. A chip sample across a 1.0 m sheared vein zone returned 0.99 g/t gold (McClintock, 1986).

In 1986, Chevron Minerals Ltd. (Chevron) optioned the Tawa claims from BRX. Chevron performed geological mapping, prospecting, grid soil geochemical sampling and EM surveys before staking additional claims to cover projections of anomalous trends. A 43.2 line kilometre EM survey was conducted and the strike lengths of known EM conductors were extended to 1900 m. Soil sampling outlined numerous northwesterly trending clusters of anomalous gold values that ranged to a maximum of 6258 ppb. Individual clusters are continuous for lengths up to 2000 m. Almost 5000 m of pre-stripping were done using a bulldozer because permafrost hindered trenching in frozen soil (Eaton, 1986). Where previously stripped trenches were deepened to bedrock, chip samples returned numerous high values including: 5.55 g/t gold and 31.2 g/t silver over 1.4 m (T-4); 3.5 g/t gold and 15.1 g/t silver over 4 m (T-4); and, 5.28 g/t gold and 132.0 g/t silver over 2 m (T-4). Trenching on virgin ground was less successful due to permafrost; however, two significant bedrock intercepts were exposed: 5.28 g/t gold and 242.4 g/t silver over 2.5 m (T-6/7) and 2.33 g/t gold and 3.77 g/t silver over 5.0 m (T-8).

In 1986, Kerr Addison added the Dic 51 to 63 claims to its claim block and conducted line cutting, ground geophysics, soil sampling and prospecting. Results from this work were encouraging and, in 1987, Kerr Addison granted Chesbar Resources Inc. (Chesbar) the right to earn an interest in the Dic claims by contributing to exploration expenditures. Work in 1987 involved pre-stripping trenches of moss and the upper soil layer (Sutherland, 1988).

In 1986, Kerr Addison undertook exploration of the Vic and VG claims, most of which lie northeast of Work Area 2 and are now owned by a private company. The program included mapping, geochemical sampling, geophysical surveys, trenching and diamond drilling (Heberlein and Lyons, 1986). Extensive sampling comprised 130 rocks, 62 silts, 16 soils and 459 samples from drill core (Heberlein and Lyons, 1986). High gold and silver results were obtained from rock samples taken from quartz veins and sheared wallrocks. Silt and soil samples returned few anomalous values (Heberlein and Lyons, 1986). Resistivity (300 line metres), self-potential (8.92 line kilometres), magnetometer (11.85 line kilometres), and VLF-EM (10.7 line kilometres) geophysical surveys were run with mixed results. Overall, east-west trending magnetic lows provided the best correlation to altered and mineralized zones (Heberlein and Lyons, 1986). Drilling results indicated discontinuous quartz veining within larger, better connected alteration zones. Some of the veins appeared to be cut off by porphyry dykes (Heberlein and Lyons, 1986).

In 1987, Chevron continued its exploration at the Tawa claims with pre-stripping, bulldozer trenching, road construction and claim staking. The pre-stripping and trenching program comprised 28 trenches totalling 6385 m, of which 12 trenches totalling 1939 m were wholly or partially excavated to bedrock. Continuous chip samples collected over 1 to 5 m intervals from trench ribs returned positive results from the Klaza and BRX zones (Eaton and Walls, 1987). The most significant result from the Klaza Zone was 4.22 g/t gold and 47.3 g/t silver over 8.0 m (T-11). The best results from the BRX Zone were 3.12 g/t gold and 46.3 g/t silver over 7.0 m including 6.99 g/t gold and 41.1 g/t silver over 1.5 m (T-14), and 6.86 g/t gold and 160.1 g/t silver over 2.5 m (T-16). Parallel vein structures were identified north and south of the two main zones. The best result from a new structure was 6.82 g/t gold and 17.1 g/t silver over 1 m (T-15). A 1.7 km four-by-four trail was constructed from the Nansen Road to the trenching area on the Tawa claims.

In 1988, Chevron sub-optioned the Tawa claims to BYG, under an agreement that allowed BYG to earn an interest in the claims by funding the next phase of exploration, which consisted of road building, pre-stripping, excavator trenching and six diamond drill holes (377 m). All of the drilling in 1988 was done at the BRX Zone, while the trenching was split between the BRX and Klaza zones (Eaton and Walls, 1988). Results from trenching better defined the known veins and identified a third vein (BYG Zone) approximately half-way between them. The best assay from the BRX Zone was 16.3 g/t gold and 1289.1 g/t silver over 1.7 m (T-22). The Klaza Zone was delineated over a strike length of 250 m, with the best trench exposures grading 43.06 g/t gold and 102 g/t silver over 1.1 m and 4.22 g/t gold and 92 g/t silver over 8.0 m. One trench tested the BYG Zone and it cut three veins about 40 m apart. One of these veins returned 6.03 g/t gold and 24.0 g/t silver over 3.3 m (T-25). Drilling intersected numerous veins that were variably mineralized. The best drill result was 6.03 g/t gold and 129.9 g/t silver over 1.36 m (Hole 88-6), which is down-dip of the vein exposed in T-22 (16.3 g/t gold and 1289.1 g/t silver over 1.7 m).

In 1988, Chesbar conducted stream sediment sampling, prospecting and excavator trenching on the Dic claims. Forty-four silt samples were collected at 100 m intervals along subparallel drainages. Gold values from this sampling were generally less than 10 ppb, but anomalous values up to 1050 ppb were reported. Rock geochemical values were background to weakly elevated, with a peak of 220 ppb gold. Although 7.8 km of trenches were pre-stripped, unseasonably high precipitation resulted in less than 20 cm of overburden being removed from each of them (Sutherland, 1988).

BYG's 1989 work program on the Tawa claims comprised road building and three excavator trenches totalling 580 m. Due to frozen ground, none of these trenches reached bedrock (Eaton, 1989).

In 1992, Aurchem Exploration Ltd. (Aurchem) carried out 3384.8 m of reverse circulation drilling in 32 holes on its Wedge claims, some of which are now part of Work Area 2 (Langdon, 1992). Drill assays returned sub-economic but geochemically anomalous copper and molybdenum values in all 32 holes (Langdon, 1992). Gold and silver were present in very low amounts in some of the holes.

In 1996, BYG conducted geochemical sampling, and VLF-EM and magnetic surveys on the Tawa claims and KR claims located to the west. The magnetic survey identified northwest-trending linear magnetic highs and lows, which merge to the east into a large magnetic high. The magnetic lows appear to be related to geological structures or contacts (Dujakovic et al., 1996). The VLF-EM survey delineated three major structures offset by north-striking faults. In general, the VLF-EM highs and magnetic lows coincide. Four soil grids were sampled, with the strongest coincident gold and copper values along the eastern side of the Tawa claims, where peak values were 1825 ppb gold and 1049 ppm copper.

In 1998, BYG performed an exploration program at the Tawa claims, which included stripping of overburden from the surface traces of VLF-EM and magnetic anomalies, and three diamond drill holes (307.8 m). Two holes (TA-98-7 and 98-8) targeted the Klaza Zone, while the third hole (TA-98-9) tested the BYG Zone. Hole TA-98-7 intersected a weakly altered porphyry dyke

with widespread potassic alteration that graded up to 0.9 g/t gold. Hole TA-98-8 intersected an altered porphyry dyke with high-grade gold-silver veins in its footwall. Samples of vein, dyke and breccia averaged 3.82 g/t gold and 84.7 g/t silver over 5.05 m, including a vein that returned 17.1 g/t gold and 159.2 g/t silver over 1.05 m (Stroshein, 1999). Hole TA-98-9 intersected a quartz-sulphide stockwork that averaged 0.24 g/t gold and 1.3 g/t silver over 55.75 m. Subsequent to the 1998 drill program, BYG filed for bankruptcy and all of its claims went into receivership.

In 2001, Aurchem continued its exploration of the Vic and Wedge claims with prospecting, mapping, soil geochemistry and trenching. Trenching on the Vic claims revealed faulting that crosscut gold-bearing quartz veins, while chip samples from trenches on the Wedge claims returned anomalous silver and gold values from a zone of silicification (Stroshein, 2001).

In 2003, Aurchem performed limited excavator trenching on Etzel claims that now lie in the southeastern part of Work Area 2. These trenches tested altered granodiorite, feldspar porphyry dykes and shear zones. The best results were 1.0 g/t gold and 58 g/t silver over 2.5 m and 6.05 g/t gold and 15.3 g/t silver across 6.0 m. A 21.5 m wide, northwest-trending clay-rich zone returned 0.85 g/t gold and 4.5 g/t silver over 12.0 m (Stroshein, 2004).

Between 2004 and 2006, Aurchem did deeper trenching, RC drilling and diamond drilling on claims partially covered by Work Area 2 (Stroshein, 2008).

In 2005, the core of the Tawa claims lapsed and ATAC Resources Ltd. (ATAC) immediately re-staked the area as the Klaza 1-24 claims. These claims cover most of the KVS. ATAC subsequently optioned the claims to Bannockburn Resources Limited (Bannockburn).

In 2006, Bannockburn performed line cutting and IP surveying on the Klaza claims. A 1450 by 1800 m area was surveyed, which encompasses most of the KVS. Two large chargeability highs, with coincident resistivity lows, were identified in the eastern part of the survey area and remain open to the east. Narrow, linear chargeability anomalies in the western part of the survey area correspond with some of the known vein zones (Wengzynowski, 2006).

In 2007, Aurchem performed a soil geochemistry and trenching program on the Vic claims, mostly northwest of Work Area 2 (Stroshein, 2008).

In 2008, Bannockburn relinquished its option on the Klaza claims.

In 2009, Rockhaven purchased the Klaza claims from ATAC.

In 2010, Rockhaven staked additional claims and performed approximately 8000 m of excavator trenching in 21 trenches, 1642.08 m of diamond drilling in 11 holes, 326 line kilometres of helicopter-borne geophysical surveys and soil sampling (289 samples) (Turner and Tarswell, 2011). Highlight drill intervals included 32.52 g/t gold and 34.3 g/t silver over 3.36 m (KL-10-06) and 3.23 g/t gold and 117.7 g/t silver over 36.50 m (KL-10-07).

In 2011, Rockhaven performed 14068.45 m of diamond drilling in 52 holes, 2940 m of reverse circulation percussion drilling in 21 holes, 4050 m of excavator trenching in 12 trenches, soil geochemical sampling (2798 samples), petrographic studies and road building on the Klaza claims (Tarswell and Turner, 2012). Highlights from the diamond drilling included: 11.25 g/t gold and 72 g/t silver over 3.94 m (KL-11-17) and 4.24 g/t gold and 15 g/t silver over 10.46 m (KL-11-15).

In fall 2011, Rockhaven purchased the Dic and Eagle claims from Aurchem. These claims adjoin the Klaza claims and are the southern-most claims in Work Area 2.

In June 2011, Ansell Capital Corp. (Ansell) purchased the Etzel claims from Aurchem and then optioned them to Great Bear Resources Ltd. (Great Bear). Great Bear completed three diamond drill holes (696.17 m), four excavator trenches (255.70 m) and grid soil sampling (478 samples). Drilling identified multiple narrow, mineralized veins hosted within fresh to strongly limonite altered granodiorite. The best drill interval returned 1.94 g/t gold and 11.85 g/t silver over 2.60 m (ET-11-01). Trenching yielded a peak result of 2.80 g/t gold and 5.8 g/t silver over 10.4 m (Dadson and Amy, 2012).

In 2012, Great Bear completed another three hole, 930.25 m diamond drill program on the Etzel claims to test for an easterly extension of the Klaza Zone. The best result was from ET-2012-06, which returned 1.79 g/t gold, 50.0 g/t silver and 1.409% copper over 1.62 m (Great Bear Resources Ltd, 2012b). Great Bear subsequently relinquished its option.

In late 2012, Rockhaven purchased the Etzel claims from Ansell and some of the VG, Vic, J. Bill, D, Bull, JBF and Jon-Wedge claims from Aurchem. These claims now form the eastern part of Work Area 2.

In 2012, Rockhaven conducted an exploration program involving 21719.47 m of diamond drilling, 3964 m of excavator trenching, and soil geochemical sampling (Tarswell and Turner, 2013). Highlight drill results included 11.90 g/t gold and 5.23 g/t silver over 6.70 m (KL-12-133) and 5.78 g/t gold and 111 g/t silver over 15.62 m (KL-12-96).

In 2013, Rockhaven completed 5000 m of excavator trenching in 38 trenches. Highlights from these trenches included 5.61 g/t gold and 300 g/t silver over 18.79 m in TR-13-51 and 16.20 g/t gold and 158 g/t silver over 6.84 m in TR-13-52.

In 2014, Rockhaven performed 880 m of excavator trenching in five trenches and 19,242 m of diamond drilling in 104 holes. Highlights from the 2014 trenches included 5.83 g/t gold and 390 g/t silver over 1.3 m in TR-14-13 and 1.13 g/t gold and 12.22 g/t silver over 5.9 m in TR-14-79. A total of 6199 samples were collected from drill core in 2014. Highlights from the 2014 diamond drilling included KL-14-238, which intersected multiple veins within an 18.5 m interval that averaged 2.19 g/t gold and 120 g/t silver. The best of the veins in that interval graded 16.29 g/t gold and 1435 g/t silver over 1.37 m from the Central BRX Zone.
In January 2015, Rockhaven announced its maiden inferred resource estimate for some of the zones in the KVS. This estimate totalled 7,040,000 tonnes containing 948,348 oz gold and 21,780,313 oz silver, and averaging 4.19 g/t gold and 96.23 g/t silver at a 1.5 g/t gold cut-off.

Mining and exploration for placer gold has been done on small creeks draining Work Area 2 in recent years. Creeks on both the west and southeast sides of the KVS host active placer mines. A tributary of the Klaza River, located on the west side of the KVS, which drains the Western BRX and Western Klaza zones, has produced 2692 oz. of gold between 1978 and 2014. East Fork and Nansen Creek, which lie immediately southeast of the KVS, have produced a combined 26,970 oz. of gold since 1978 (Bond, 2014). Chemical analyses of gold grains within hypogene-facies veins, eluvial material and placer gravels indicate that the gold on the placer creeks source from the KVS.

Table 5: Work Area 3 – Exploration History

Year of Work (Report)	Owner/ Operator	Claim Group/Target	Work Performed	Results
1987 (Hulstein, 1988)	G. Dickson	Nulee, JS, Moon, and Robert	Mapping, trenching, and geochemical sampling.	The Bear Zone returned anomalous soil geochemistry. The source of Montgomery Creek Zone anomalous float was untraceable.
1989 (Brent, 1991)	E. Curley	Grizzly	Four bulldozer trenches, hand trenching, and rock samples.	Trench intervals of 7.2 g/t Au over 3.5 m and 15.4 g/t Au over 1.5 m.
1990 (Brent, 1991)	E. Curley	Grizzly	Eight trenches, chip sampling, and mapping.	Located felsic dykes associated with the Grizzly Vein (now the V1 vein). A grab sample graded 42.5 g/t Au, 57.9 g/t Ag, >3% As, 185 ppm Cu, 28 ppm Mo, 979 ppm Pb, 91 ppm Sb, 34 ppm W, and 410 ppb Hg.
1994 (Pautler, 1994)	E. Curley, Teck Corporation	Grizzly	Trench mapping and rock sampling.	Trench chip samples graded at 3.52 g/t Au and 8.8 g/t Ag over 1.5 m.
2003 (Hulstein, 2003)	J. Dickson	JRW	Prospecting, chip samples, and soil sampling to explore V1.	Vein samples ran 1.24 g/t Au, 6756 ppm As, 68.3 ppm Bi, and 51.2 ppm W over 2.2 m. Soil geochemistry revealed an anomaly containing 31.3 ppb

				Au, 53.1 ppm As, and 1.5 ppm Bi.
2009 (Smith, 2010)	Strategic Metals Ltd.	Dade	Staked the Dade 1-16 claims and ran a small soil geochemistry grid. Dade claims 17-96 were staked after assay results were returned.	Soil anomalies graded up to 113 ppb Au, while samples from trench floors ran 4280 ppb Au.
2011 (Smith, 2011)	Wolverine Metals Ltd.	Dade	CanDig and excavator trenching, soil geochemistry, and geophysical surveys.	Trenching verified V1 and located V2 veining and stockwork.
2012 (Burrell, 2013a)	Strategic Metals Ltd.	Dade	23 diamond drill holes totalling 2043.39 m and 24 RC drill holes totalling 1426.47 m.	Diamond holes did not intersect quartz veining, but found some results in alteration zones such as 2.45 g/t Au over 1.37 m. RC drilling had few significant intervals, including 5.32 g/t Au over 1.53 m.

The first placer gold discovery in the Mount Nansen Camp was reported in 1899. Since that time, placer mining operations have been conducted on several streams in the area, including Victoria Creek, the headwaters of which lie within Work Area 3.

In the 1920s, prospecting led to a series of hand trenches that exposed a mineralized quartz vein, referred to as the Grizzly Vein, on what are now the Dade claims. Assays from this work were not reported (Deklerk and Traynor, 2005).

In 1989, Eugene Curley, an independent prospector staked the Grizzly 1-24 claims after he rediscovered the Grizzly Vein. Work in 1989 included bulldozer and hand trenching and rock sampling. Four bulldozer trenches were excavated, but only one reached bedrock. Based on this work, the vein was described as striking 010 to 040° and dipping 60° west, being up to six metres wide, and having been traced along strike for 140 m before disappearing beneath colluvium (Burrell, 2013a).

In 1990, eight more bulldozer trenches totalling 1900 m^3 were excavated. Mapping identified a felsic porphyry dyke and a silicified rhyolite dyke, which are associated with an altered and brecciated quartz-sulphide vein that is likely the Grizzly Vein. The vein was described as white quartz with patchy arsenopyrite, honeycombed rusty cavities and stains of scorodite, limonite and manganese oxides. A vein sample from one of the trenches returned 42.5 g/t gold, 57.9 g/t silver, > 3% arsenic, 185 ppm copper, 28 ppm molybdenum, 979 ppm lead, 91 ppm antimony, 34 ppm tungsten, and 410 ppb mercury (Brent, 1991).

In 1994, a two-day trench mapping and rock sampling program was conducted at the Grizzly Vein by Eugene Curley and Teck Corporation. Sampling was done in two trenches located nine metres apart on a side hill. A chip sample from the upper trench returned 0.7 g/t gold with no reported silver over 1.5 m, while a chip sample from the lower trench returned 3.52 g/t gold and 8.8 g/t silver over 1.5 m (Pautler, 1994). Where exposed in these trenches, the Grizzly Vein reportedly strikes 025°and dips 55° west. Gold appears to be concentrated within the brecciated, pyrite-rich footwall side of the vein. Despite the encouraging results, the claims were allowed to lapse following this work.

In 2002, J. Dickson staked the JRW 1-4 claims to cover the Grizzly Vein, and conducted a work program consisting of prospecting, rock sampling from existing bulldozer trenches, and reconnaissance soil sampling. A sample of quartz vein situated adjacent to a porphyry dyke returned 1.64 g/t gold, > 1% arsenic, 97.9 ppm barium and > 200 ppm tungsten. A chip sample of white to milky white quartz with less than 0.5% pyrite, scorodite staining and limonitic fractures returned 1.24 g/t gold, 6756 ppm arsenic, 68.3 ppm bismuth and 51.2 ppm tungsten across 2.2 m. Soil sampling 200 m northeast of the old trenching area identified an anomaly with values up to 31.3 ppb gold, 53.1 ppm arsenic and 1.5 ppm bismuth (Hulstein, 2003). Dickson's claims later expired after inactivity.

In 2009, Strategic staked the Dade 1-16 claims. In 2010, Strategic performed one day of soil sampling on its Dade claims. Samples were collected on a 100 x 100 m grid in the vicinity of the Grizzly Vein and at five metre intervals from the floors of old trenches. Results from this work were encouraging. Grid soil samples returned a few anomalous values up to 113 ppb gold, while trench floor soil samples yielded localized strong to very strong results up to 4280 ppb gold (Smith, 2010). The Dade 17 to 96 claims were added in September 2010 after the results from the 2010 exploration program were known. Wolverine signed an option purchase agreement with Strategic in September 2010. Based on the potential for discovery of additional veins on the Dade claims, the Grizzly Vein was renamed the V1 vein (Smith, 2011).

In 2011, Wolverine conducted soil sampling and mechanized trenching (CanDig and excavator), and contracted New-Sense Geophysics Limited to conduct helicopter-borne magnetic and radiometric surveys over the Dade claims (Smith, 2011). Mechanized trenches confirmed the presence of the V1 vein and identified a second sinusoidal zone of quartz veining and stockwork, which was named the V2 vein (Smith, 2011).

In 2012, Wolverine performed 2043.39 m of diamond drilling in 23 holes and 1426.47 m of RC drilling in 24 holes. Most of the drilling was done beneath and directly along strike of veins exposed in the old trenches. The diamond holes intersected an extensive system of quartz-calcite veinlets, but assay results were disappointing, with a peak value of 2.45 g/t gold over 1.37 m. The RC drill results (up to 5.32 g/t gold over 1.53 m) came from widely spaced step-out holes drilled 400 m west of the trenched area (Burrell, 2013a).

Table 6: Work Area 4 – Exploration History

Year of Work (Report)	Owner/ Operator	Claim Group/Target	Work Performed	Results
1934 (none)	G. Dickson	Val	Staked the Billy claims (now called Val)	n/a
1958 (Robinson, 1959)	Asbestos Corporation Ltd.	Val	Optioned the Billy claims, mapping, trenching, packsack drilling.	Exposed a quartz-feldspar porphyry dyke; alteration with galena and pyrite.
1979	Rex Silver Mines Ltd. (formerly Peso Silver Mines Ltd.)	Val	Transferred the Val property to Schweizerische Geselleschaft.	n/a
1981	Mount Nansen Corporation	Val	Acquired the Val property.	n/a
1981	BYG Natural Resources	Val	Re-staked some of the Val area as DD claims.	n/a
1983	Mount Nansen Corporation	Val	Conducted a feasibility study.	n/a
1984	BYG Natural Resources	Val	Purchased the Val property.	n/a
1985	BYG Natural Resources	Val	Re-staked some Val claims as ONT claims; Chevron Minerals Ltd optioned some claims.	n/a
1986-1988	BYG Natural Resources	Val	Ran an exploration program including mapping, soil	Identified a multi-element anomaly (Au, Ag, Zn, Sb, As, Cd, Bi, Cu, Mo) trending N-

			geochemistry, geophysical surveys, trenching and diamond drilling.	NW.
1986-88	Aurum Geological Consultants Inc./Graham Dickson	McDade	Ran an exploration program including mapping, soil geochemistry and bulldozer trenching	Discovered high grade float samples (up to 15.67 g/t gold) and conducted pre-stripping/bulldozer trenching
1988	Chevron Minerals Ltd.	Val	Dropped its options.	n/a
1995 (Carlyle, 1997)	E. Curley	Queen	Staked Ang claims 1-8. Prospecting and surface mapping.	Located quartz-feldspar porphyry dykes
1997 (Carlyle, 1997)	E. Curley	Queen	Staked Ang claims 9-20. Program included geochemical soil sampling followed by trenching.	Soil geochemistry and trench samples gave low Au values (138 ppb Au and 47 ppb Au, respectively).
2003	B. Trerice	Val	Staked the Val claims	n/a
2011	Rockhaven Resources Ltd.	Val	Signed an option agreement for the Val property.	n/a
2012	Rockhaven Resources Ltd.	Val	Carried out geochemical soil sampling.	n/a
2013	Rockhaven Resources Ltd.	Val	Ran a two trench program.	Collected 82 samples over 330 m of trenching, locating mineralized veins below soil anomalies. Trenches returned 3.09 g/t Au with 5.93 g/t Ag over 1.00 m and 1.91 g/t Au with 131 g/t Ag over 1.30 m.
2015	Strategic Metals Ltd.	Queen	Staked the Queen claims.	n/a
2015	Rockhaven	Queen	Rockhaven	n/a

	Resources Ltd.		acquired Queen claims from Strategic.	

Val Claim Area

The first recorded lode gold discovery in the MNGC was made by prospectors Brown and McDade in 1943 about two kilometres south of the Val claims, on lands that are now managed by the Abandoned Mines Branch.

The area of the current Val claims was first staked as the Billy claims by G. Dickson, as part of a larger claim block. In 1958, Asbestos Corporation Exploration Ltd. optioned Dickson's claims and performed mapping, two bulldozer trenches and eight packsack drill holes totalling 122.8 m. The trenching exposed a quartz-feldspar porphyry dyke, 500 m southwest of the current Val claims, while the drill core contained zones of intense kaolinization and sericitization, hosting galena and pyrite (Robinson, 1959).

In 1981 and 1985, the southwestern part of Work Area 3 was re-staked as the DD claims and the ONT claims by BYG Natural Resources Inc. (BYG). In late 1985, Chevron Minerals Ltd (Chevron) optioned claims that covered much of the MNGC from BYG and, from 1986 to 1988, it completed exploration programs that comprised mapping, soil geochemistry, geophysical surveys, trenching and diamond drilling. These programs included a soil geochemical survey that identified a multi-element anomaly (gold, silver, zinc, antimony, arsenic, cadmium, bismuth, copper and molybdenum) trending north-northwest across the current Val claims. Chevron dropped its option in late 1988.

In 2003, B. Trerice staked the Val claims in conjunction with his placer activities along Back Creek.

In 2011, Rockhaven signed an option agreement with B. Trerice, acquiring the right to earn a 100% interest in the Val property.

In 2012, Rockhaven collected 392 soil samples and identified three clusters of anomalous gold and silver values. Bedrock exposures from placer gold operations within Back Creek identified a number of vein faults that were sampled by Rockhaven. The best sample returned 0.113 g/t gold and 1.66 g/t silver over 3.0 m.

In 2013, Rockhaven completed 330 m of excavator trenching in two trenches. These trenches exposed three mineralized veins emplaced along or near the footwall contact of a quartz-feldspar porphyry dyke. These veins strike between 135° to 155°, and dip steeply to the east.

Queen Claim Area

There is very little historical information available on the Queen claim block, which lies north and east of the lands that are under administration of the Abandon Mines Branch.

From 1986 to 1988, the historical McDade claim block (consisting of 354 contiguous mineral claims) covered much of the central and northern portions of the current Queen claims. Gold-bearing quartz float was discovered in five zones during the summer of 1986. In 1988, some zones were evaluated by bulldozer trenching, mapping and geochemical sampling. Two of these zones are on the current Queen claims, and the rest lie immediately to the east, off the claims. Results from the zones on the Property include grab samples from bulldozer trenches, which graded up to 8.74 g/t gold and 57.6 g/t silver, and an area of high grade float near Montgomery Creek, where samples returned up to 15.67 g/t gold.

A small portion of the current Queen claims was also staked by E. Curley as the Ang 1-8 claims in 1995 and the Ang 9-20 claims in 1997 (YGS Minfile 115I 123). Curley completed exploration programs on the Ang claims that included soil geochemistry and trenching. The trenches exposed quartz-feldspar porphyry dykes. No assays were reported.

In spring 2015, Strategic staked the Queen claims and later that year, Rockhaven acquired them from Strategic as part of a large property-swap transaction.

Table 7: Work Area 5 – Exploration History

Year of Work (Report)	Owner/ Operator	Claim Group/Target	Work Performed	Results
1996	Conquest Yellowknife Resources Ltd.	Cow	Geophysics VLF-EM, magnetometer	Delineated multiple VLF-EM and magnetic anomalies.
2015	Strategic Metals Ltd.	Nor	Staked Nor claims 1-74	n/a
2015	Rockhaven Resources Ltd.	Nor	Rockhaven acquired Nor claims from Strategic	n/a

In 1996, Conquest Yellowknife Resources Ltd. contracted SJ Geophysics Ltd. to conduct VLF-EM and magnetometer surveys over the Buffalo grid on its Cow claims (Dujakovic and Visser, 1996).

In early 2015, Strategic staked Nor 1-74 claims and, later that year, Rockhaven acquired those claims from Strategic as part of the property-swap transaction.

Table 8: Work Area 6 – Exploration History

Year of Work (Report)	Owner/ Operator	Claim Group/Target	Work Performed	Results
1965	Mount Nansen Mines Ltd.	Bit	Staked Bit claims 1-6	n/a
1966	Mount Nansen Mines Ltd.	Bit	Mapping and geochemical sampling	n/a
1971	Area Exploration Company Ltd.	Bit, Rusk	Optioned the Bit claims and staked Rusk claim 1-39.	n/a
1972	Area Exploration Company Ltd.	Rusk	Grid soil sampling	n/a
1973	Area Exploration Company Ltd.	Rusk	Drilled one diamond drill hole.	n/a
1976	G. Dickson	LD, Swiss	Restaked as LD cl 1-14	n/a
1979	G. Dickson	LD, Swiss	Restaked as Swiss cl 1-62	n/a
1980	G. Dickson	LD, Swiss	Trenching	n/a
1981	G. Dickson	LD, Swiss	Trenching	n/a
1983	G. Dickson	J. Bill	Restaked as J. Bill cl 1-32	n/a
1984	G. Dickson	Rat, Bull	Trenching, added Rat c1 1-24 and Bull cl 1-28	n/a
1987	E. Curley	Dows	Dows claims were staked. Hand trenching	n/a
1988	Noranda Exploration Company Ltd.	Dows	Optioned and expanded the Dows claims. Mapping, grid soil sampling, mechanized trenching, and geophysical surveys	Two best soil samples returned: 1100 ppb gold, 2.0 ppm silver, 460 ppm arsenic and 1100 ppb mercury; and, 490 ppb gold, 4.4 ppm silver, 1100 ppm arsenic and 13,200 ppb mercury, respectively.
1989	Noranda	Dows	One diamond drill	Intersected a quartz

	Exploration Company Ltd.		hole.	breccia, which averaged 2.43 g/t gold over 7.5 m including 10.2 g/t gold over 1.5 m.
1995	Atna Resources Ltd.	Dows	Optioned Dows claims from E. Curley. Mapping, trenching, soil sampling, chip sampling.	n/a
1995	Conquest Yellowknife Resources Ltd.	Dows	Optioned the property from Atna. Staked the Dows 119-124 claims.	n/a
1995	Aurchem Exploration Ltd.	J. Bill, Rat, Bull	Aurchem acquired Dickson's claims J Bill, Rat, and Bull	n/a
1996	Conquest Yellowknife Resources Ltd.	Dows	Diamond drilling.	Anomalous drill intercepts, 5.51 g/t gold and 13.13 g/t silver over 2.61 m (DDH-96-2); 6.64 g/t with low silver over 5.90 m (DDH-96-6); and 0.34 g/t gold and 5.09 g/t silver over 11.10 m (DDH-96-8)
2003	Aurchem Exploration Ltd.	J. Bill	Limited soil sample program. Pre-stripping for future trenching.	n/a
2006	R. Hulstein	Desk	Staked expired Dows claims as Desk.	n/a
2009	Strategic Metals Ltd.	Sked	Stakes Sked claims.	n/a
2010	Strategic Metals Ltd.	Sked	Grid soil sampling	The best results from soil sampling were strongly anomalous arsenic (up to 181 ppm) and copper (up to 140 ppm) and background to weakly anomalous

				gold (up to 23 ppb), lead (up to 14 ppm) and zinc (up to 85 ppm).
2010	Wolverine Minerals Corp.	Desk, Sked	Wolverine purchased Desk and Sked claims.	n/a

Work Area 6 is on the western edge of the MNGC. For discussion purposes, this Work Area is subdivided into two general claim areas, as described below.

J. Bill Claim Area

In 1965, Mount Nansen Mines staked the Bit 1-6 claims southeast of Mt. Nansen and, in 1996, it performed mapping and soil sampling on those claims.

In 1971, Area Exploration optioned the Bit claims and expanded the claim block by adding the Rusk 1-39 claims (Eaton and Walls, 1987). In 1972 and 1973, Area Exploration did grid soil sampling, mapping and one drill hole (180 m).

G. Dickson restaked the Bit area as the LD 1-14 claims in 1976, and as the Swiss 1-62 claims in 1979 (YGS Minfile 115I 096).

In 1980 and 1981, G. Dickson conducted trenching.

In 1983, G. Dickson restaked the area again as J. Bill 1-32 claims.

In 1984, G. Dickson conducted trenching on the J. Bill claims and added the Rat 1-24 claims to the south and the Bull 1-8 claims to the east.

In 1986, part of Dickson's claims area was optioned to Chevron, which explored with mapping, grid soil sampling, EM-16 surveys and bulldozer trenching in 1986 and 1987, before dropping the option.

In 1994, the J. Bill, Rat and Bull claims were transferred to J. Dickson and, in 1995, those claims were transferred to Aurchem.

From 1995 to 1998, the J Bill, Rat, and Bull claims were optioned to BYG by Aurchem. BYG carried out a drilling program near Tit Mountain, in an area that partially overlaps with the northeastern corner of Work Area 6.

In 1999, the J. Bill, Rat, and Bull claims reverted to Aurchem.

In 2003, Aurchem conducted a small soil sample program on the J. Bill 28 and 30 claims in the northeast corner of Work Area 6.

Sked/Desk Claim Area

In 1987, E. Curley staked the Dows claims after obtaining elevated gold values from float samples taken from hand trenches. Later that year, two back-hoe trenches were dug to bedrock near the hand trenches and exposed an area of silicification and clay alteration at a contact between quartz-feldspar porphyry dykes and schistose country rocks (Galambos, 1988). This area is on the current Desk claims.

In early 1988, Noranda Exploration Company Ltd. (Noranda) optioned and expanded the Dows claims. That year, Noranda conducted mapping, grid soil sampling, mechanized trenching and geophysical surveys. Surface mapping was largely unsuccessful due to lack of bedrock exposures. A total of 673 soil samples, taken on a 25 x 100 m grid, identified a northeast-southwest trending anomaly that is strongly enriched in arsenic and mercury, with spotty gold and low silver values. The two best soil samples returned: 1100 ppb gold, 2.0 ppm silver, 460 ppm arsenic and 1100 ppb mercury; and, 490 ppb gold, 4.4 ppm silver, 1100 ppm arsenic and 13200 ppb mercury, respectively. A total of 39 rock and 134 chip samples were also collected during the 1988 program. The best specimen sample yielded 3.89 g/t gold and 6.9 g/t silver, while the trenching uncovered three zones of gold enrichment that ranged from four to thirty metres wide. Geophysical surveys on the Dows claims included a 43 line kilometre magnetometer survey, a 4.6 line kilometre VLF survey and a four line kilometre induced polarization survey. A broad magnetic low coincides with the high soil geochemical values, but these features are cut off to the north by a zone of low resistivity (Galambos, 1988).

Later in 1988, Noranda conducted additional soil geochemical sampling and a diamond drilling program that comprised five holes totalling 388.01 m. Due to strong clay alteration, core recovery was poor. No significant results were reported, and it was suggested that the mineralization might not follow the same orientation as the soil geochemical anomaly (Galambos, 1989).

In 1989, Noranda completed a single diamond drill hole (198 m). That hole intersected a section of quartz breccia, which averaged 2.43 g/t gold over 7.5 m including 10.2 g/t gold over 1.5 m. Despite this positive result, the claims were returned to E. Curley (Schmidt, 1996).

In 1992, E. Curley jointly funded a 761 m trenching program with Noranda to test new ideas. Sixty-three channel, two rock and six soil samples were taken, but no significant results were reported (Schmidt, 1996; Mann and Slack, 1996).

In 1995, Atna Resources Ltd. (Atna) optioned the Dows claims from E. Curley. A limited trenching program comprising 59 chip samples, 17 rock samples, and 12 soil samples was completed. Trenching confirmed previous results, but failed to extend mineralization to the northwest. BYG also mapped and sampled the trenches (Mann and Slack, 1996).

In late 1995, Conquest Yellowknife Resources Ltd. (Conquest) sub-optioned the Dows claims from Atna and staked more claims.

In 1996, Conquest completed two diamond drill programs totalling 1418 m in 11 holes. This drilling identified a wide zone of intense deformation, which hosts gold mineralization (Schmidt, 1996). Several anomalous intervals were intersected including: 5.51 g/t gold and 13.13 g/t silver over 2.61 m (DDH-96-2); 6.64 g/t with low silver over 5.90 m (DDH-96-6); and 0.34 g/t gold and 5.09 g/t silver over 11.10 m (DDH-96-8).

The various generations of Dows claims expired between 2001 and 2006. In 2006, R. Hulstein re-staked the area of Desk claims.

In winter 2009, Strategic staked the Sked claims to cover the along-strike projection of the mineralized zone on the Desk claims. In summer 2010, Strategic expanded its claim block to the northwest to cover a historical gold anomaly located on the west side of an unnamed tributary of Lonely Creek.

In 2010, Strategic conducted a geochemical sampling program comprising small grids to the northwest and southeast of the Desk claims (Chung, 2011). Results from this sampling were positive with background to strongly anomalous arsenic (up to 181 ppm) and copper (up to 140 ppm) and background to weakly anomalous gold (up to 23 ppb), lead (up to 14 ppm) and zinc (up to 85 ppm) values.

In September 2010, Wolverine signed an optional purchase agreement with Strategic for the Sked claims and, in December 2010, it signed another optional purchase agreement with R. Hulstein for the Desk claims.

In 2013, the Sked claims reverted to Strategic and, in 2010, Strategic purchased the Desk claims.

In June 2016, Rockhaven acquired the Desk and Sked claims via a property-swap transaction with Strategic.

GEOMORPHOLOGY

The Property is situated in the southern part of the Dawson Range, a belt of low mountains, hills and relatively mature river systems. It is drained by tributaries of the Klaza River, Nansen Creek and Victoria Creek, all of which flow into the Nisling River, part of the Yukon River watershed.

Elevations range from 1200 to 1800 m above sea level (asl), and tree-line is at about 1450 m asl.

The Property escaped Pleistocene continental glaciation but experienced some local Pleistocene to Holocene valley and alpine glaciation. Outcrop is rare throughout the Property. Overburden typically consists of a few centimetres of organics, 0 to 5 cm of volcanic ash and up to 200 cm of loess and immature soil mixed with locally derived rock fragments, over weathered bedrock. At lower elevations, thick layers of fluvial material, glacio-fluvial outwash, and till blanket the valley floors. Permafrost is extensive, particularly on north- and west-facing slopes.

The Property has a continental climate with low levels of precipitation and a wide temperature range. Summers are normally pleasant with extended daylight hours whereas winters are long

and cold. Although summers are relatively warm, snowfall can occur in any month at higher elevations. The Property is mostly snow free from late May to late September. According to Environment Canada, summer temperatures in the nearest community of Carmacks average 18 ºC during the day and 5 ºC at night. Winter temperatures average -12 ºC during the daytime. Total annual precipitation over the 1961 to 1990 period averaged 277 mm, with about 92 cm of snow (Environment Canada, 2015).

GEOLOGICAL SETTING

The MNGC was visited by J.B. Tyrrell and D.D. Cairnes for the Geological Survey of Canada in 1898 and 1914, respectively, and has been mapped by H.S. Bostock (1936) and G.G. Carlson (1987). The geology was revised in a compilation by Gordey and Makepeace (2000). The following discussion is primarily based on maps prepared by Gordey and Makepeace and the Yukon Geological Survey (YGS) website.

The Property lies within the Yukon-Tanana Terrane (YTT) approximately 100 km southwest of the Tintina Fault and 100 km northeast of the Denali Fault (Figure 5). YTT comprises a variety of Proterozoic and Paleozoic metavolcanic, metasedimentary and metaplutonic rocks, which represent both arc and back-arc environments (Colpron and Nelson, 2006; Piercey et al., 2006). The Tintina Fault is a transcurrent structure that experienced about 450 km of dextral strike-slip movement during the Eocene. This movement offset an outlier of YTT in the Finlayson Lake District of southeastern Yukon from the main body of YTT, which lies southwest of the fault. The Denali Fault is another major transcurrent structure that has seen hundreds of kilometres of dextral strike-slip movement.

Regional stratigraphy in the area of the Property is summarized in Table 9. The basement rocks are mainly schists and gneisses, which include metaplutonic gneisses (Pelly Gneiss), metasedimentary and metavolcanic rocks (Nisling), and enigmatic ultramafic and mafic units (Amphibolite). Basement rocks are cut by weakly foliated plutonic rocks (Long Lake Suite) that were metamorphosed and uplifted in the Jurassic, along with the schists and gneisses. The youngest rocks are unfoliated and are represented by five plutonic/volcanic events that occurred in the Cretaceous and Tertiary (Whitehorse Suite, Mount Nansen volcanics, Prospector Mountain Suite, Carmacks volcanics and the newly identified, Casino Suite) (Sanchez et al., 2014). The Casino Suite is of particular significance because it is associated with most of the epithermal vein and porphyry deposits in the Dawson Range Gold Belt. Intrusions related to the Casino Suite were emplaced from 72 to 79 Ma.

Table 9: Regional Lithologies

UPPER CRETACEOUS	
uKC	**uKC: CARMACKS** a volcanic succession dominated by basic volcanic strata (1), but including felsic volcanic rocks dominantly (?) at the base of the succession (2) and locally, basal clastic strata (3) (70 ma approx):

ROCKHAVEN RESOURCES LTD.

FIGURE 5

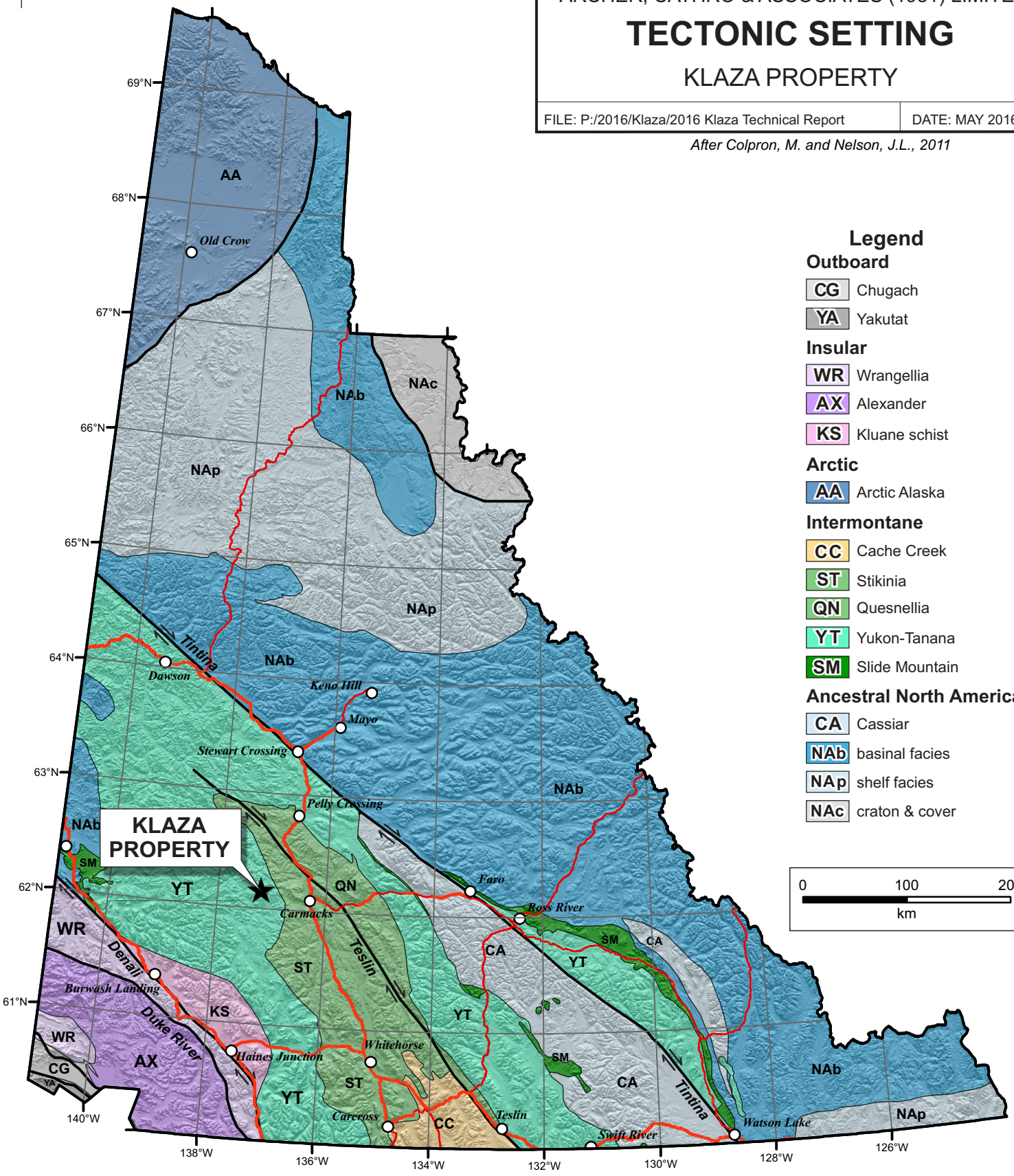
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

TECTONIC SETTING

KLAZA PROPERTY

FILE: P:/2016/Klaza/2016 Klaza Technical Report | DATE: MAY 2016

After Colpron, M. and Nelson, J.L., 2011



1. augite olivine basalt and breccia; hornblende feldspar porphyry andesite and dacite flows; vesicular, augite phyric andesite and trachyte; minor sandy tuff, granite boulder conglomerate, agglomerate and associated epiclastic rocks **(Carmacks Gp., Little Ridge Volcanics, Casino Volcanics)**
2. acid vitric crystal tuff, lapilli tuff and welded tuff including feeder plugs and necks; felsic volcanic flow rocks and quartz feldspar porphyries; green and purple massive tuff-breccia with feldspar phyric fragments **(Carmacks Gp., Donjek Volcanics, some rocks formerly mapped as Mount Nansen Gp.; the felsic part of the Carmacks Gp. is difficult to distinguish from similar Tertiary and Mid-Cretaceous (Mount Nansen) felsic volcanic strata)**
3. medium bedded, poorly sorted, coarse to fine grained sandstone, pebble conglomerate, shale, tuff, and coal; massive to thick bedded locally derived granite or quartzite pebble to boulder conglomerate **(Carmacks Gp.)**

LATE CRETACEOUS TO TERTIARY

LKP

LKP: PROSPECTOR MOUNTAIN SUITE
grey, fine to coarse grained, massive, granitic rocks of felsic (q), intermediate (g) and rarely mafic (d) composition plus related felsic dykes (f):

q. quartz monzonite, biotite quartz rich granite; porphyritic alaskite and granite with plagioclase and quartz-eye phenocrysts; biotite and hornblende quartz monzodiorite, granite, and leucocratic granodiorite with local alkali feldspar phenocrysts **(Prospector Mountain Suite, Carcross Pluton)**

g. hornblende-biotite granodiorite, hornblende diorite, quartz diorite **(Wheaton Valley Granodiorite)**

d. coarsely crystalline gabbro and diorite

f. quartz-feldspar porphyry

uKCS2

uKCS2: CASINO SUITE
Porphyry: quartz monzonite to dacite with rhyolite; fine to medium grained; alkali feldspar-, plagioclase-, biotite-, and quartz-phyritic. Rhylolite dominant near Mount Nansen, showing white-smoky quartz phenocrysts.

MID-CRETACEOUS

mKN

mKN: MOUNT NANSEN
massive aphyric or feldspar-phyric andesite to dacite flows, breccia and tuff; massive, heterolithic, quartz- and feldspar-phyric, felsic lapilli tuff; flow-banded quartz-phyric rhyolite and quartz-feldspar porphyry plugs, dykes, sills and breccia **(Mount Nansen Gp., Byng Creek Volcanics, Hutshi Gp.)**

mKW

mKW: WHITEHORSE SUITE
grey, medium to coarse grained, generally equigranular granitic rocks of felsic (q), intermediate (g), locally mafic (d) and rarely syenitic (y) composition:

q. biotite quartz-monzonite, biotite granite and leucogranite, pink granophyric quartz monzonite, porphyritic biotite leucogranite, locally porphyritic (K-feldspar) hornblende monzonite to syenite, and locally porphyritic leucocratic quartz monzonite **(Mount McIntyre Suite, Whitehorse Suite, Casino Intrusions, Mount Ward Granite, Coffee Creek Granite)**

g. biotite-hornblende granodiorite, hornblende quartz diorite and hornblende diorite; leucocratic, biotite hornblende granodiorite locally with sparse grey and pink potassium feldspar phenocrysts **(Whitehorse Suite, Casino Granodiorite, McClintock Granodiorite, Nisling Range Granodiorite)**

d. hornblende diorite, biotite-hornblende quartz diorite and mesocratic, often strongly magnetic, hypersthene-hornblende diorite, quartz diorite and gabbro **(Whitehorse Suite, Coast Intrusions)**

y. hornblende syenite, grading to granite or granodiorite **(Whitehorse Suite)**

EARLY JURASSIC

EJL

EJL: LONG LAKE SUITE
mostly felsic granitic rocks (q) but locally grading to syenitic (y):

q. massive to weakly foliated, fine to coarse grained biotite, biotite-muscovite and biotite-hornblende quartz monzonite to granite, including abundant pegmatite and aplite phases; commonly K-feldspar megacrystic (Long Lake Suite)

y. resistant, dark weathering, massive, coarse to very coarse grained and porphyritic, mesocratic hornblende syenite; locally sheared, commonly fractured and saussuritized; locally has well developed layering of aligned pink K-feldspar tablets (Big Creek Syenite)

PROTEROZOIC AND PALEOZOIC

PPa

PPa: AMPHIBOLITE
metamorphosed mafic rocks including amphibolite (1) and ultramafic rocks (2) of unknown association; i.e. may belong in part or entirely to Nisling, Nasina, and Slide Mountain assemblages and (3), mafic-ultramafic intrusions within Nasina assemblage

LATE DEVONIAN TO MISSISSIPPIAN

DMPW

DMPW: PELLY GNEISS SUITE
variably deformed granitic rocks of predominantly felsic (q) to intermediate composition (g) southwest of Tintina Fault:

q. foliated equigranular medium grained muscovite quartz monzonite; moderately to strongly foliated K-feldspar augen bearing quartz monzonitic to granitic gneiss **(S. Fiftymile Batholith, Mount Burnham Orthogneiss)**

g. foliated medium grained, homogeneous biotite granite gneiss to biotite or hornblende granodiorite gneiss; massive to strongly foliated dioritic to granodioritic gneiss; includes interfoliated amphibolite, quartz-mica schist and phyllite **(Selwyn Gneiss, Pelly Gneiss, N. Fiftymile Batholith, Moose Creek Orthogneiss)**

LATE PROTEROZOIC AND PALEOZOIC

PPN

PPN: NISLING ASSEMBLAGE
assemblage characterized by mica quartz feldspar schist (1) and abundant locally thick limestone (2) members; includes possibly equivalent strata northeast of Tintina Fault(3):

1. dark grey to brown, biotite-muscovite-quartz-feldspar schist, quartzite and micaceous quartzite, garnetiferous; felsic chlorite-biotite orthogneiss; rare amphibolite; minor (?) two-mica gneiss and hornblende diorite gneiss; may include Nasina assem. **(Nisling assemblage)**
2. bleached white weathering, white to grey, coarsely crystalline, flow banded, fetid marble; graphite, chert, metabasite and calcsilicate lamina are common **(Nisling assemblage)**
3. calcareous quartz psammite, marble, calcareous chlorite-biotite schist and calcsilicate; calcareous garnet-biotite-muscovite schist, rare amphibolite; biotite-quartz-muscovite schist and lesser quartz-feldspar-muscovite augen schist **(assignment uncertain, could belong to Nasina assemblage)**

PROPERTY GEOLOGY

Detailed mapping on the Property is limited by sparse outcrop and extensive vegetation cover. The geology map shown on Figure 6 has been interpreted from regional mapping and trenching, drilling and geophysical surveys done on various parts of the Property over the last 50 years.

The oldest exposed units are Nisling Assemblage schists, limestones and amphibolies that underlie the southern part of the Property. A wedge of orthogneiss belonging to the Pelly Gneiss Suite is mapped in the northeastern corner of the Property.

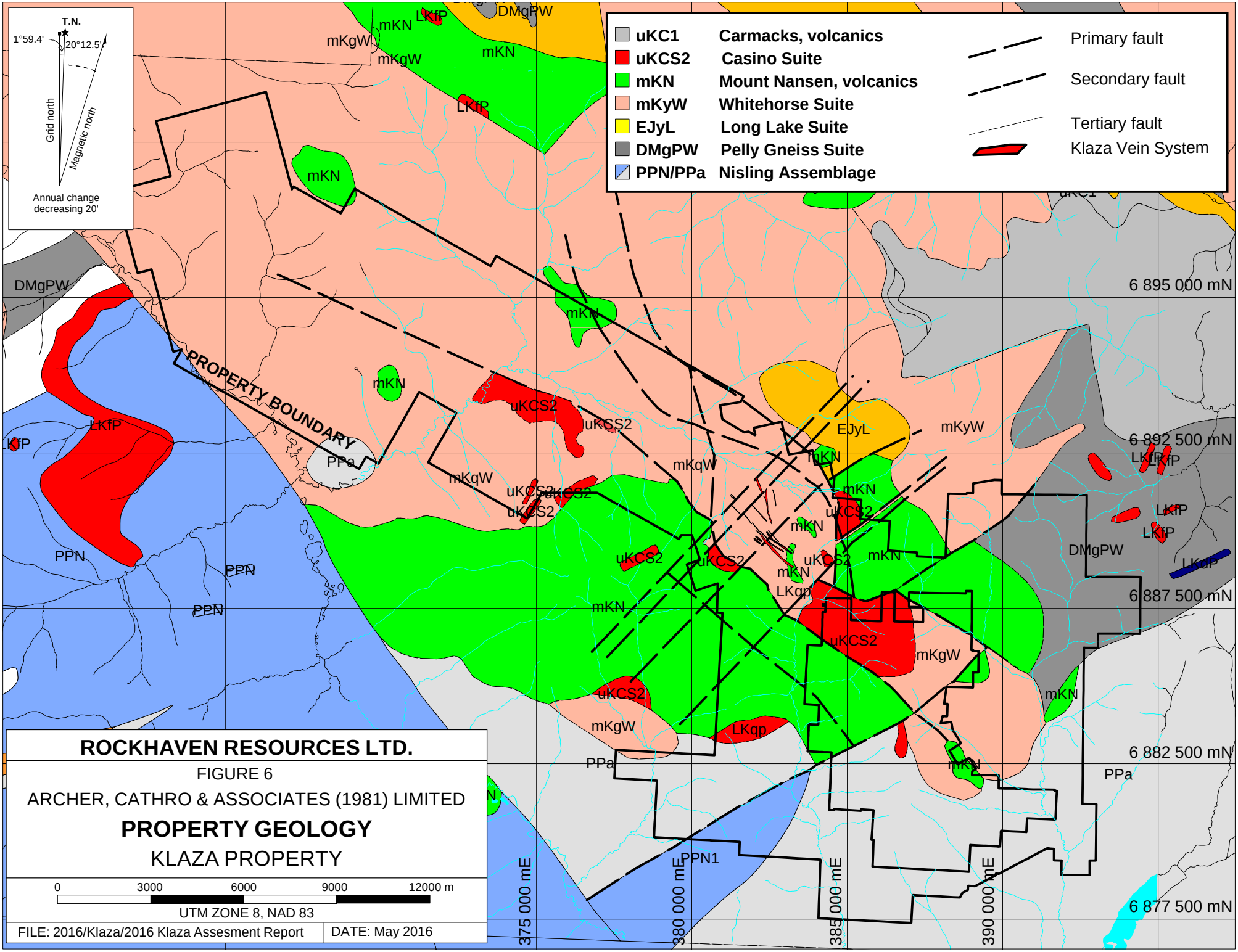
The northern and western parts of the Property are mostly underlain by Mid-Cretaceous Whitehorse Suite granodiorite. This granodiorite contains 30% hornblende and biotite. It is coarse-grained and non-foliated.

Sub-aerial volcanic and volcaniclastic rocks of the Mount Nansen and Carmacks volcanics are common in the central part of the Property. They include medium green to grey andesite flows and pyroclastic rocks with occasional buff to tan rhyolitic tuff. These rocks are believed to be extrusive equivalents of the Middle and Late Cretaceous intrusions, respectively.

A small quartz-rich granite to quartz monzonite stock (LKqp) intrudes granodiorite in the southeastern corner of Work Area 2. This stock is called the Mount Nansen Porphyry Complex and is thought to be the main heat source for hydrothermal cells responsible for mineralization on the Property. This pluton and feldspar porphyry dykes (LKqp) scattered throughout the Property are assigned to the Casino Suite, which is younger than the Mount Nansen volcanics but older than intrusions of the Prospector Mountain Suite (S. Isreal, personal communication). Geochronological work indicates that porphyry dykes, which are spacially and genetically (?) related to porphyry and vein mineralization on the Property, are Late Cretaceous (78.2-76.3 Ma) in age (Mortensen et al., 2016).

A series of northwesterly trending feldspar porphyry dykes (LKqp) emanate from the Mount Nansen Porphyry Complex and cut Whitehorse Suite granodiorite in the area of the KVS. These porphyry dykes are up to 30 m wide and consist of buff aphanitic groundmass containing up to 15% orthoclase phenocrysts (1 to 2 mm) with minor biotite and rare quartz phenocrysts. Commonly the dykes occupy the same structural zones as the mineralized veins, and they are often strongly fractured. Some veins cross-cut dykes.

Two main fault trends (NW and NE) are present in the MNGC and are best documented where they are delineated by trenching and drilling at the KVS. The first set strikes northwesterly and dips between 60° and 80° to the southwest. Although these faults lack strong topographic expression, they are very important because they host mineralized veins and breccia zones and appear to control the distribution of porphyry dykes. The second set of faults strike northeast, almost perpendicular to the primary set, and dip sub-vertically. They form prominent topographic linears and offset the mineralized zones in a number places, creating apparent left lateral displacements of up to 80 m in magnitude. The exact relationship between these structures and the mineralized, northwesterly trending structures is still uncertain, but they appear to have been in part coeval and may have played an important role in ground preparation.



ROCKHAVEN RESOURCES LTD.

FIGURE 6

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

PROPERTY GEOLOGY

KLAZA PROPERTY

FILE: 2016/Klaza/2016 Klaza Assesment Report | DATE: May 2016

A third set of structures are slightly oblique to the main mineralized faults, striking more westerly. They are less continuous and are considered to be Riedel shears. High-grade mineralization is sometimes localized at junctions between these shears and the northwestly trending structures.

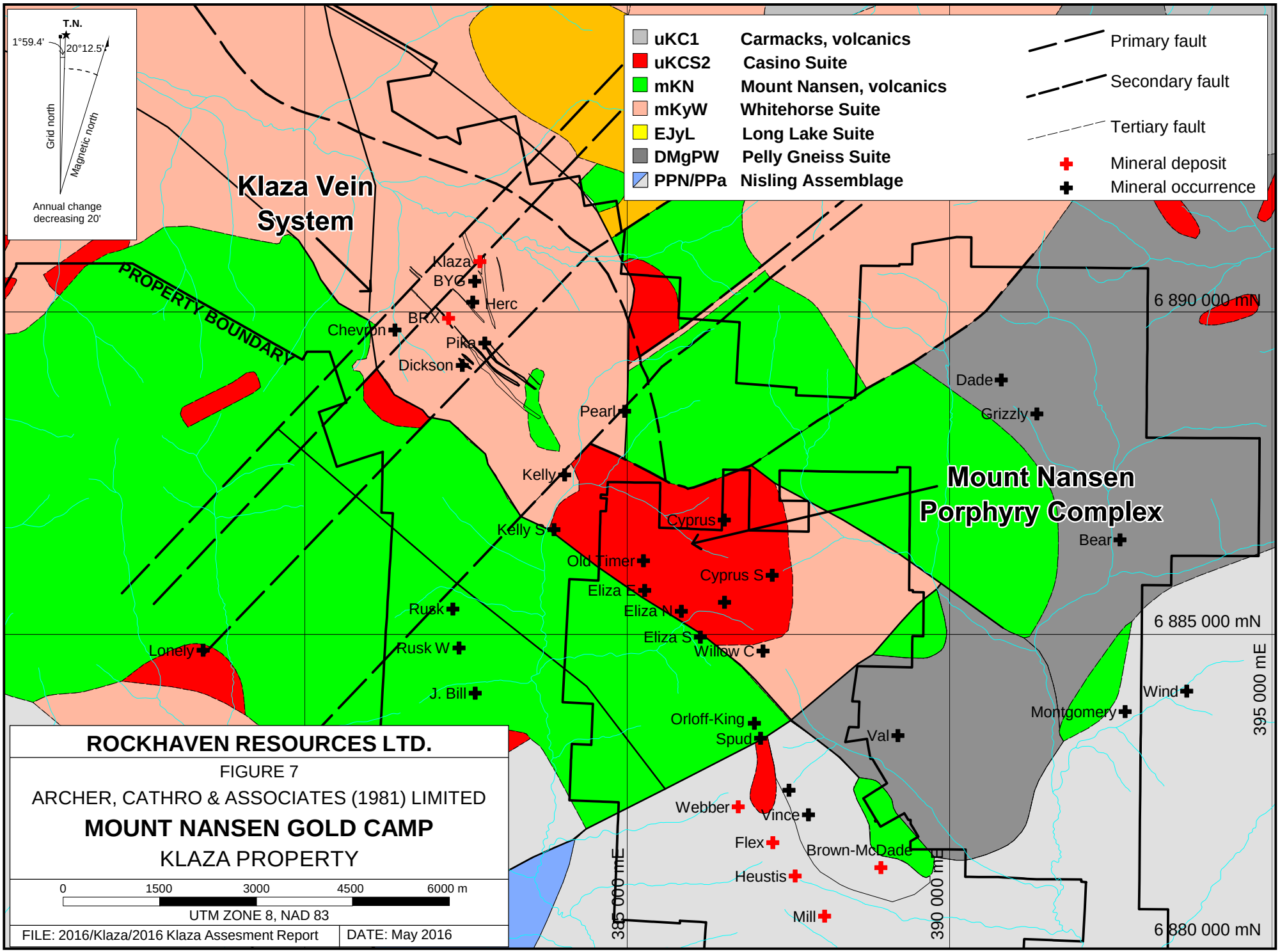
MINERALIZATION

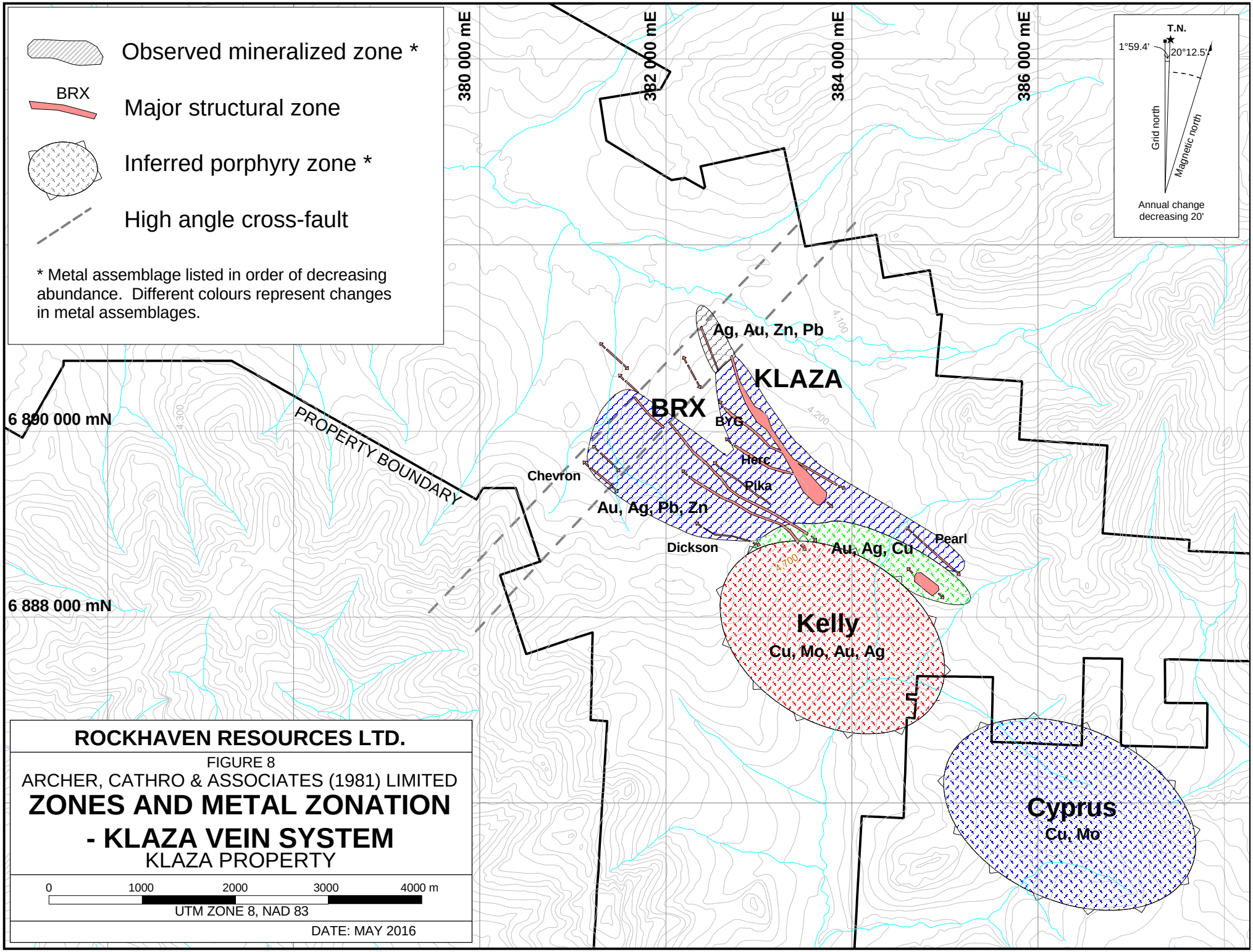
The KVS lies within the northern part of the MNGC, a northwestly elongated structural belt that hosts more than 30 known mineral occurrences (Figure 7). Gold- and silver-rich veins within the MNGC dominantly occur in northwesterly trending structures. The hydrothermal system that produced the MNGC is cored by weak porphyry copper-molybdenum centres, and ranges outward to anastomosing sheeted veins and more distally to cohesive base and precious metal veins. The mineralizing events within the MNGC are interpreted to be related to the emplacement of the Late Cretaceous, Casino Suite intrusions. The generalized metal zonation model for the KVS is shown on Figure 8.

Two porphyry centres have been identified in northern part of the MNGC (Cyprus and Kelly zones) and both are related to the Mount Nansen Porphyry Complex. The larger and better defined porphyry centre (Cyprus Zone) is partially covered by the claims in the southeastern corner of Work Area 2. It was explored in the late 1960s and early 1970s, with approximately 4500 m of drilling in 26 holes. Average hypogene grades of 0.12% copper and 0.01% molybdenum were reported at depths exceeding 60 to 90 m below surface. Hypogene copper grades are approximately double those in the overlying leached cap. There is no significant supergene enrichment zone. Locally higher grade zones (0.6% copper and 0.06% molybdenum) and elevated precious metal values are associated with intense fracturing found in weakly potassic altered areas within the dominantly phyllic altered porphyry system. The potassic altered areas often feature tourmaline breccias, abundant quartz veining, and/or secondary biotite (Sawyer and Dickinson, 1976).

The western porphyry centre (Kelly Zone) was explored as early as 1973. The Kelly Zone is defined by coincident geochemical and geophysical anomalies, including: 1) strongly elevated gold, copper and molybdenum soil geochemical values; 2) high chargeabilities with moderate resistivities; and, 3) a large area of low magnetic susceptibility observed in both ground and airborne surveys. The coincident anomalies cover a semicircular area approximately 2500 m across. Trenching and diamond drilling done in 2012 by Rockhaven on the western edge of the Kelly Zone, discovered minor chalcopyrite, chalcocite and molybdenum, with rare bornite. The mineralization is hosted in several, 25 to 100 m wide bands of strongly phyllic altered and heavily quartz veined granodiorite, which are separated by barren porphyry dykes. The best interval in the 2012 drill hole averaged 0.20 % copper, 0.012 % molybdenum and 0.22 g/t gold over 25.99 m.

The majority of Rockhaven's exploration activities have been conducted in the KVS, which lies in distal part of the local hydrothermal system where copper-deficient, precious metal rich veins predominate. Rockhaven has identified nine main, mineralized structural zones that are developed northwest of the porphyry targets. The structural zones collectively form a 2 km wide corridor that cuts northwesterly through Mid-Cretaceous granodiorite country rocks for a length


T.N.
1°59.4'
20°12.5'
Grid north
Magnetic north
Annual change decreasing 20'
uKC1 Carmacks, volcanics
uKCS2 Casino Suite
mKN Mount Nansen, volcanics
mKyW Whitehorse Suite
EJyL Long Lake Suite
DMgPW Pelly Gneiss Suite
PPN/PPa Nisling Assemblage
Primary fault
Secondary fault
Tertiary fault
Mineral deposit
Mineral occurrence
Klaza Vein System
PROPERTY BOUNDARY
Klaza
BYG
Herc
BRX
Chevron
Pika
Dickson
Pearl
Kelly
Kelly S
Cyprus
Old Timer
Cyprus S
Eliza E
Eliza N
Eliza S
Willow C
Rusk
Rusk W
Lonely
J. Bill
Dade
Grizzly
Mount Nansen Porphyry Complex
Bear
Wind
Montgomery
Val
Orloff-King
Spud
Webber
Vince
Flex
Brown-McDade
Heustis
Mill
6 890 000 mN
6 885 000 mN
6 880 000 mN
385 000 mE
390 000 mE
395 000 mE
ROCKHAVEN RESOURCES LTD.
FIGURE 7
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
MOUNT NANSEN GOLD CAMP
KLAZA PROPERTY
0 1500 3000 4500 6000 m
UTM ZONE 8, NAD 83
FILE: 2016/Klaza/2016 Klaza Assesment Report
DATE: May 2016


Observed mineralized zone *
BRX
Major structural zone
Inferred porphyry zone *
High angle cross-fault
* Metal assemblage listed in order of decreasing abundance. Different colours represent changes in metal assemblages.
380 000 mE
382 000 mE
384 000 mE
386 000 mE
T.N.
1°59.4'
20°12.5'
Grid north
Magnetic north
Annual change decreasing 20'
6 890 000 mN
6 888 000 mN
PROPERTY BOUNDARY
4 300
4 100
4 200
4 700
Ag, Au, Zn, Pb
KLAZA
BRX
BYG
Herc
Pika
Chevron
Au, Ag, Pb, Zn
Dickson
Pearl
Au, Ag, Cu
Kelly
Cu, Mo, Au, Ag
Cyprus
Cu, Mo
ROCKHAVEN RESOURCES LTD.
FIGURE 8
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
ZONES AND METAL ZONATION
- KLAZA VEIN SYSTEM
KLAZA PROPERTY
0 1000 2000 3000 4000 m
UTM ZONE 8, NAD 83
DATE: MAY 2016

of 4 km or more. Individual zones exhibit exceptional lateral and down-dip continuity, and all of them remain open for extension along strike and to depth. From south to north, the zones are named Chevron, Dickson, AEX, BRX, Pika, Herc, BYG, Klaza and Pearl. Rockhaven's exploration has focused mainly on the Klaza and BRX zones, which have been subdivided into the Western BRX, Central BRX, Eastern BRX, Western Klaza and Central Klaza zones. The current mineral resource estimate contains mineralization from parts of these five sub-zones.

The main mineralized structural zones in the KVS range from 1 to 100 m wide and are usually associated with feldspar porphyry dykes. Mineralization occurs within veins, sheeted veinlets and some tabular breccia bodies. The host granodiorite exhibits pervasive weak argillic alteration immediately adjacent to and up to 30 m peripherally to them. Sericitization and potassic alteration are developed directly adjacent to hydrothermal channel ways. The granodiorite is magnetite-bearings except where it is destroyed around mineralized structures. Details of the alteration facies proximal to the structural zones are discussed in more detail later in this section.

Depth of surface oxidation in the KVS ranges from 5 to 100 m below surface, depending on fracture intensity, the type of mineralization and local geomorphology. The deepest weathering occurs in wide, pyritic vein complexes located along ridge tops or on south-facing slopes.

Detailed evaluation of oriented drill core and measurements taken from trench exposures has identified two main structural orientations that control mineralization. The primary structural set strikes between 135˚ and 155˚ and dips 60˚ to 80˚ to the southwest. The secondary mineralized trend strikes between 110˚ and 130˚ and dips 60˚ to 70˚ to the south. The secondary structures may represent either Riedel shears of the primary structural set or a separate structural event altogether. The best gold mineralization is sometimes localized in areas where the two structural trends converge. The plunge of these structural intersections is towards the southeast.

Petrographic analysis completed in 2011 by John Payne, Ph.D., P.Geo. of Vancouver Petrographics reported veins, veinlets and breccia material hosting disseminated to semi-massive pyrite, arsenopyrite, galena, sphalerite, stibnite and jamesonite in quartz, carbonate and barite gangue (Payne, 2012). Metallurgical studies completed by Rockhaven indicate that tetrehedrite is also present and is a major host to high-grade silver mineralization. The sulphide minerals typically comprise 1 to 10% of veins and altered wallrocks, often increasing to between 20 and 80% over 25 to 200 cm intervals. Petrographic and metallurgical work also identified native gold/electrum (Dumala et al., 2015).

Quartz is the dominant gangue mineral in veins. It occurs in a variety of textures including chalcedonic, comb, banded, speckled and vuggy. Smoky quartz is the most common colour variation, but milky and clear quartz are locally abundant. Carbonate occurs mainly as ankerite and rhodochrosite and typically ranges between 5 and 20% of the veins by volume.

Breccias form tabular bodies consisting of heterolithic wallrock clasts, which include granodiorite and various volcanic or sub-volcanic lithologies. Matrices are enriched with fine-grained, disseminated to blebby pyrite, arsenopyrite, sphalerite, and galena. Breccias are mostly observed within drill core from the Klaza Zone where they range up to 2 m in width.

Mineralization within most structures is interpreted to be spatially and genetically related to porphyry dykes, which strike northwesterly and dip steeply to moderately toward the south. The dykes pinch and swell in three dimensions and are usually unmineralized. Some movement on the related faults likely post-dates emplacement of the dykes as they are occasionally cut by mineralized veins.

Two parallel, northeast-trending faults have been observed to cut across the northwestern portion of the Klaza and BRX zones. The easterly cross-fault appears to offset the western sections of the mineralized zones about 80 m to the south; however, the exact sense of motion is uncertain. Detailed exploration has not been conducted yet on the western side of the westerly cross-fault, so displacement on it has not been determined. The westerly cross-fault appears to be a stronger structure. The relative timing of movement on these faults has not yet been determined, but they are thought to be coeval to, or slightly younger than, the vein structures. Some of the better mineralized sections of the vein structures occur in what may be dilatant zones immediately east of the cross-faults. Drill holes and trenches are aligned subparallel to the orientation of the cross-faults; therefore, only a few holes have intersected them. The extent to which the northeast trending faults are mineralized is not yet known. In the Klaza Zone, the easterly cross-fault marks a sharp change in mineralogy, with increasing arsenopyrite and sulphosalt contents coupled with higher silver:gold ratios in the Western Klaza Zone relative to the Central Klaza Zone. At the BRX Zone, the same cross-fault separates bonanza-grade rhodochrosite-facies mineralization in the Western BRX Zone from lower-grade, iron-carbonate facies mineralization in the Central BRX Zone.

Other Areas of Vein Mineralization on the Property

Historical work on Rockhaven's newly acquired claims has identified other mineralized vein trends, that require further investigation. The most noteworthy of these veins are found in Work Areas 2, 3, 4, and 6, as described below.

Veining on the Vic, JCS, and VG claims (Work Area 2) consists of grey-white quartz veins ranging from 3 cm to 2 m wide. The dominant vein system trends east-west, dips to the south, and is hosted in a syenite porphyry (Ellemers and Stroshein, 2005). Geophysical and geochemical data suggests that more veins may be discovered to the northeast and southwest of the KVS, as discussed in the Soil Geochemical Sampling and Geophysical Surveys sections.

Mineralization on the Dade claims (Work Area 3) is hosted in two, sinusoidal zones of quartz veining and stockwork veinlets (V1 and V2 veins). These veins are believed to strike about 040° and dip 60°-75° to the north. They cut coarse-grained hornblende-quartz granodiorite and diorite gneiss (Burrell, 2013a). The V1 (formerly the Grizzly Vein) and V2 veins exhibit pervasive silicification, calcification and moderate to strong clay alteration. In 2011, trenching exposed the V1 vein over widths of 9 to 20 m along a 175 m strike length and the V2 vein over widths of 2 to 12 m along a 125 m strike length (Burrell, 2013a). Where mineralized, the veins comprise white to grey quartz with boxwork limonite and 1-3% disseminated arsenopyrite and pyrite. The best diamond drill intercept graded 2.44 g/t gold and 21.3 g/t silver over 1.2 m. The best RC drill result came from a hole located 400 m west of the known veins and assayed 5.32 g/t gold over 1.53 m.

On the Val claims (Work Area 4), mineralization is found in a fault-controlled zone containing gold- and silver-bearing veins and breccias (Turner, 2014). The zone ranges from 10 to 20 m wide and features sheeted veins and veinlets. Arsenopyrite, pyrite, galena and sphalerite occur as disseminations and stringers within quartz and carbonate gangue. Assays from trench exposures have mostly been disappointing.

The Queen claims (Work Area 4) host mineralization found in metamorphic rocks thought to be part of the Paleozoic Pelly Gneiss Suite. Quartz and chalcedonic veins and veinlets in numerous locations host disseminated pyrite and trace, fine-grained galena and arsenopyrite. This mineralization is commonly accompanied by quartz-feldspar porphyry dykes. Quartz-chalcedony-stibnite breccia vein-type mineralization has been discovered in float near old placer workings. Float mineralization near Montgomery Creek has graded up to 15.67 g/t gold. The source of this float is thought to be nearby but has not yet been discovered. Only limited bulldozer trenching has been done on these targets and none has been drilled. A sample of rusty fractured quartz float collected from a shallow (<1 m) trench returned 8.74 g/t gold and 57.6 g/t silver.

Mineralization on the Sked/Desk claims (Work Area 6) occurs in three zones that range from four to thirty metres wide. These zones reportedly strike about 120° and dip between 60 and 65° to the southwest. The eastern extension of the mineralization may be truncated, or offset by, a small cross-fault, or it could extend as a blind zone beneath Mount Nansen volcanic rocks. Quartz breccia and intense deformation has been reported in diamond drill holes with the best intercepts, which graded 10.2 g/t gold over 1.5 m and 6.64 g/t gold over 5.90 m.

The J Bill, Rat, and Bull claims (Work Area 6) host two types of vein mineralization that cut volcanic rocks near a silicified porphyry stock. One type consists of pyrite, arsenopyrite, galena and sphalerite in quartz, while the other type finely disseminated molybdenite and chalcopyrite with minor pyrite and pyrrhotite. These veins have not been drilled and bulldozer trenching was ineffective, producing negative results (YGS Minfile 115I 096).

Mineralization Paragenesis in the KVS

Interpretation of vein paragenesis is based on observations made from drill intersections at the Western BRX, Central BRX, Western Klaza and Central Klaza zones. The general sequence of mineralizing events for the veins is postulated as follows:

Phase I: Early barren quartz veining associated with brecciation and alteration (phyllic and argillic) of the host granodiorite.

Phase II: Smoky quartz veining hosting disseminated to semi-massive pyrite, arsenopyrite, +/- sulphosalt mineralization.

Phase III: Carbonate veining (calcite, rhodochrosite, ankerite and siderite) accompanied by sphalerite and galena.

Phase IV: Single to multi-stage brecciation of veins by late hydrothermal fluids.

Mineral assemblages and precious metal abundance associated with the four phases varies based on the spatial relationships of each zone to the primary heat source and the localized structural

controls involved in vein emplacement. The following paragraphs describe the paragenetic features observed in the four sub-zones defining the mineral resource.

The Western BRX Zone hosts mineralization styles that appear to be relatively consistent over the entire 500 m strike length and through 520 m of down-dip vertical extent. Mineralizing phases include an initial grey to white quartz phase +/- pyrite followed by a smoky quartz phase hosting pyrite, arsenopyrite and sulphosalts. The first two phases are cut and/or brecciated by ankerite or rhodochrosite that typically hosts galena and sphalerite. Tetrahedrite and chalcopyrite have also been observed in this phase. A final explosive phase is commonly present, brecciating the sulphide veins, injecting breccia veinlets, and creating micro-fractures. Paragenetic phases observed in drill core from the Western BRX Zone are shown in Plate 1.

KL-14-156 114.20 m

Plate 1: Western BRX Zone intersect highlighting Phases I through IV. Sphalerite and galena are clearly seen in proximity to tan ankerite.

Veins within the Central BRX Zone are mainly dominated by quartz and pyrite with locally abundant galena and sphalerite. These veins host the same mineralizing phases observed in the Western BRX Zone, except that rhodochrosite is not present, arsenopyrite and sulphosalts are less abundant, and gold:silver ratios are generally lower. A typical vein intercept from the Central BRX Zone is shown in Plate 2.

KL-14-197 79.97 m

Plate 2: Central BRX Zone drill core highlighting Phases I through III. Quartz and pyrite generally dominate these veins.

Veins in the Western Klaza Zone generally host the highest grade silver found in the KVS. Unlike the other zones, these veins are not spatially associated with feldspar porphyry dykes. Initial alteration of the host granodiorite is a result of the emplacement of early barren grey to white quartz. This is followed by one or two mineralizing events consisting of smoky quartz/sulphide (pyrite +/- arsenopyrite) and smoky quartz hosting high concentrations of pervasive acicular sulphosalt minerals, which is unique to Western Klaza. These two events are typically observed together in the Western Klaza Zone veins but can occur individually. Common late-stage tan ankerite with associated sphalerite and galena fill breccias and fractures cutting earlier quartz phases. Representative vein intercepts from the Western Klaza Zone are shown in Plates 3 and 4.

KL-14-182 184.20 m

Plate 3: Western Klaza Zone drill core showing fine-grained arsenopyrite veins and breccias with zoned honey brown sphalerite at the margin of a tan ankerite mass.

KL-14-178 96.50 m

Plate 4: Western Klaza Zone drill core highlighting relationship between Phases I through III.

The Central Klaza Zone is a sheeted vein complex hosted in a feldspar porphyry dyke swarm. The strongest veins are often found along dyke contacts, but they are not limited to these areas. Sheeted vein emplacement is common and, in some instances, mineralized veins cross-cut the dykes. Typical vein composition in Central Klaza Zone consists of initial barren quartz veining, smoky quartz/pyrite/arsenopyrite veining, and further brecciation by tan-white ankerite with sphalerite and galena, as shown on Plate 5.

KL-11-28 254.05 m

Plate 5: Brecciated galena and ankerite vein cross-cutting smoky quartz/pyrite/arsenopyrite.

Alteration Facies in the KVS

Alteration facies described in this section are developed around veins in the KVS. Where only a few veins are present, or they are widely separated, the alteration zones are quite discrete and are surrounded by unaltered wallrocks. Where a mineralized zone consists of multiple, closely spaced veins, the areas of alteration can coalesce. Extensive areas of pervasive alteration characterize the Cental Klaza Zone, and this type of alteration appears to be increasing toward the east in several of the mineralized structural zones, as they approach the porphyry centres.

Four significant alteration facies are observed in drill core and trench exposures. These phases are propylitic, argillic, phyllic and potassic alteration. The alteration facies and intensities vary, based principally on the spatial relationships of each zone with respect to the primary heat source. Further controls on alteration include proximity to feldspar porphyry dykes, and presence of multiple phases of mineralization. Generally, propylitic alteration represents the most distal alteration facies, followed by weak argillic and advanced argillic alteration, then phyllic alteration and finally, the most proximal, potassic alteration. The following paragraphs describe the alteration facies observed in drill core from the KVS.

Propylitic facies alteration in the host granodiorite is mainly represented by the assemblage calcite, chlorite and sericite. Weak sericitization of feldspar imparts a dark greenish grey colour to the granodiorite. Calcite usually develops as coatings within microfractures. Chlorite content is modest at about 3 to 5% of the rock. Epidote, another propylitic index mineral, is rarely observed.

KL-14-228 144.00 m

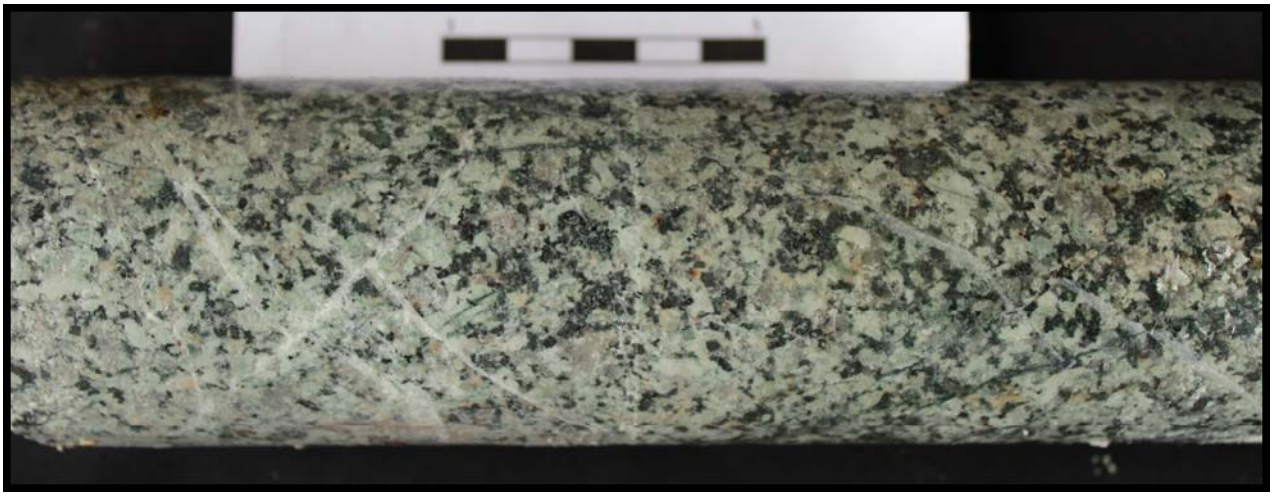


Plate 6: Moderate propylitic alteration.

KL-14-231 190.6 m

Plate 7: Strong propylitic alteration with weak potassic overprinting.

Argillic facies alteration has two sub-facies, montmorillonitic and kaolinitic, with each sub-facies defined by the type of clay replacing plagioclase feldspar. Montmorillonitic alteration (Weak Argillic) is characterized by a pale green colour that develops when clay altered plagioclase oxidizes on exposure to air. Montmorillonite alterated rocks swell when the clays absorb water, making them highly friable. This sub-facies is generally less than 50 m wide and occurs outward of the kaolinite sub-facies.

KL-14-138 138.86 – 141.76 m

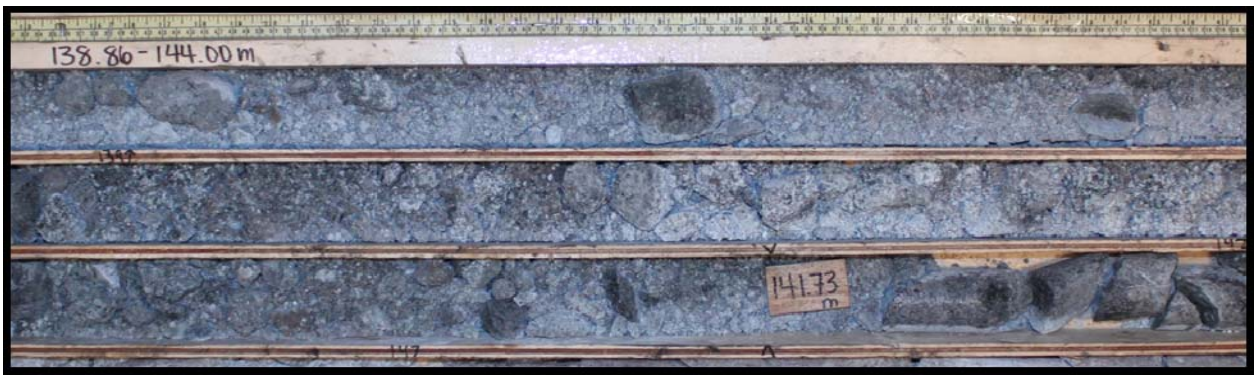


Plate 8: Highly friable montmorillonite alteration.

Kaolinitic alteration (Advanced Argillic) has a strong bleached appearance and is often cut by weak sericite veinlets with narrow alteration envelopes. Typical kaolinitic alteration grades to phyllic alteration, as sericite dominates over kaolinite. The kaolinite sub-facies has been classified into weak, moderate and strong, depending upon the presence or absence of biotite, K-feldspar, calcite, sericite, pyrite and hematite. The contacts between these three classifications are gradational.

Weak kaolinitic alteration is characterized by plagioclase feldspar and hornblende altering to a chalky and/or dull white clay. Biotite is present as fresh to weakly altered books. Pink orthoclase (K-feldspar) may also be present. Calcite is rarely observed. Magnetite is generally oxidized to hematite, and disseminated pyrite is usually absent.

KL-14-220 182.30 m

Plate 9: Weak kaolinitic alteration.

Moderate kaolinitic alteration is noted where biotite, calcite and K-feldspar are destroyed, as the intensity of alteration increases. Pale green sericite becomes common; however, it is not

pervasive. Hematite is common and chlorite, a relic of biotite alteration, may be present. Pyrite is generally absent or very weak.

KL-14-234 63.10 m

Plate 10: Moderate kaolinitic alteration.

Strong kaolinitic alteration occurs where kaolinite is largely replaced by white to pale green sericite. Pyrite veinlets up to 1 mm are common and wider veinlets sometimes have narrow white, intense sericite envelopes. The pyrite results from sulphidization of hematite.

KL-14-235 89.10 m

Plate 11: Strong kaolinitic alteration.

Argillic facies alteration occurs more proximal to mineralized zones than the propylitic facies and can sometimes be present within 50 cm of mineralized veins.

Phyllic facies alteration is characterized by sericite, quartz and pyrite and is seen immediately adjacent to mineralized zones inside the propylitic and argillic alteration halos. Typical phyllic alteration consists of quartz±sulphide veinlets enveloped by pervasive sericite and pyrite. With an increase in veinlet density, the original rock texture is destroyed and converted to a dark gray, very fine-grained mixture of sericite, pyrite and quartz. The quartz is a product of the alteration and accumulates as blebs or migrates to form veinlets and veins. The strongest phyllic alteration observed to date is within the Klaza Zone. Clasts in the breccias that are typically found in the Klaza Zone are often strongly phyllic altered.

KL-14-229 310.70 m

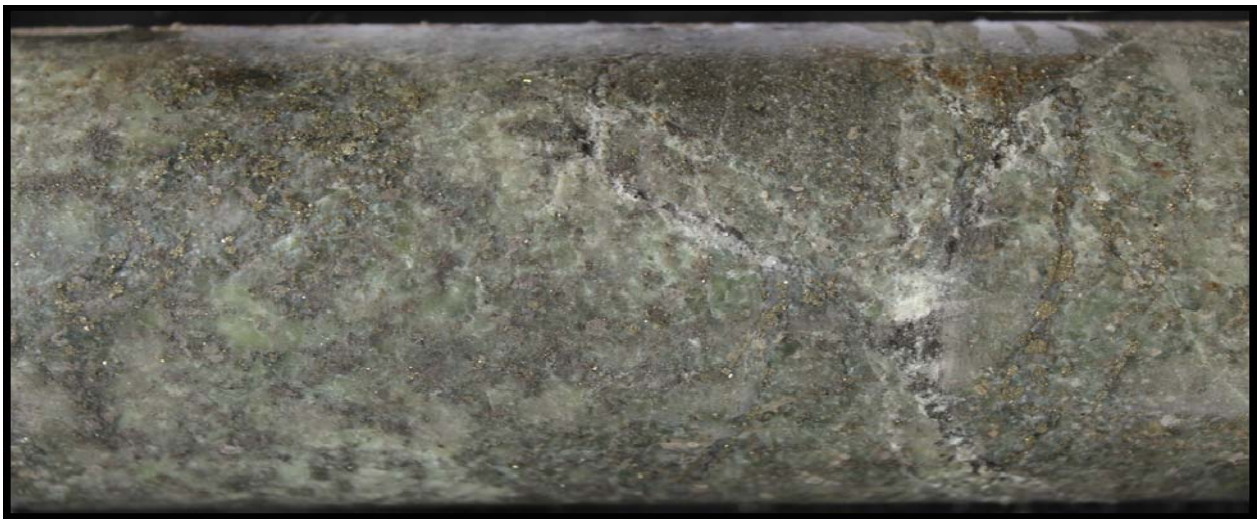


Plate 12: Strong phyllic alteration.

Potassic facies alteration features fine-grained interstitial white feldspars that may be K-feldspar and euhedral books of biotite. Besides the diagnostic alteration minerals, biotite and K-feldspar, potassic alteration may contain secondary magnetite, anhydrite, tourmaline and ankerite.

KL-14-220 182.30 m

Plate 13: Moderate potassic alteration with secondary biotite.

KL-14-231 191.55 m

Plate 14: Moderate potassic alteration in sharp contact with weak phyllic alteration.

Carbonate Gangue Facies in the KVS

Gold-silver mineralization within the KVS occurs in veins containing quartz, various carbonate minerals and iron and base metal sulphide minerals. The gold-rich Western BRX Zone has the highest abundance of manganiferous carbonate (rhodochrosite) discovered to date on the Property. Iron-rich carbonates (ankerite and siderite) are the dominant carbonate minerals in the remainder of the BRX Zone and in the Klaza Zone.

Deposit Style Classification

Textures and mineralogy observed in the KVS share a number of key similarities with Carbonate Base Metal (CBM) deposits. This class of deposits has not been identified elsewhere in Yukon, but some researchers have recognized that mineralization in the KVS resembles mineralization at what are now categorized as CBM deposits (Smuk, 1999, and J. Richards, personal communication). CBM deposits have mainly been discovered around the Pacific Rim and include multi-million ounce gold deposits such as Porgera (New Guinea), Buritica (Colombia) and Kelian (Indonesia).

CBM deposits are formed by the mixing of rising mineralized fluids with bicarbonate waters (Corbett and Leach, 1998). Mineralization styles are highly zoned, depending on the crustal level of the system, with silver-rich CBMs formed at higher levels. Characteristic zonation of carbonate compositions develop when upwelling mineralizing fluids are progressively cooled as they mix with descending bicarbonate groundwater. These carbonate compositions vary from proximal (hot) calcium (Ca) through magnesium (Mg) and manganese (Mn) to distal (cool) iron (Fe) facies. Gold mineralization is believed to be preferentially distributed within veins containing Mn/Mg carbonate facies. Key diagnostic features of CBM deposits are compared to features observed in the Klaza mineralized zones in Table 10:

Table 10: CBM Comparison with Klaza Vein System

Diagnostic Features of CBM Deposits	Diagnostic Features of KVS Mineralization
Mineralization hosted in veins and breccias	Mineralization hosted in veins and breccias
Large vertical extent of mineralization (> 1000 m)	Large vertical extent of mineralization (520 m and open to depth)
Gold and silver generally well liberated (native or in electrum)	Gold and silver generally well liberated (native gold, electrum and silver in tetrahedrite)
Veins and breccias emplaced adjacent to mineralizing intrusive	Veins and breccias emplaced adjacent to mineralizing intrusive
Carbonate (dominant), quartz, pyrite, sphalerite and galena gangue	Quartz (dominant), carbonate, pyrite, sphalerite and galena gangue
Multiple mineralized structures with long strike lengths (> 700 m)	Multiple (nine) mineralized structures with long strike lengths (>2400 m)
Bonanza grade gold mineralization	Some bonanza grade intercepts

Although more studies are required to definitively classify the deposit type, key characteristics of mineralization in the KVS are generally consistent with the CBM model, and this model is used in making recommendations concerning future exploration.

SOIL GEOCHEMISTRY

From 1966 to present, both reconnaissance and grid soil geochemical samples were collected at varying densities within Work Areas 1 to 6. The following descriptions focus on Work Area 2, which encompasses the most important mineralization found to date on the Property.

Figure 9 to 12 thematically illustrates soil geochemical results for gold, arsenic, copper and lead, respectfully, for all six work areas.

Work Area 2

Historical samples were taken on baseline-controlled grids established using a hip-chain and compass. Baselines were marked with one metre high wooden lath and sample sites were marked with 0.5 m wooden lath; however, very few of these markers are currently standing and legible. Early soil sampling identified linear gold±silver±lead anomalies, which correspond to some of the known mineralized zones in the KVS, and a large (2000 by 3000 m) area of moderately to strongly anomalous copper-in-soil response, which partially defines the porphyry target at the Kelly Zone.

From 2010 to 2012, Rockhaven expanded grid sample coverage to the west and north of the earlier grids, and collected samples on a few contour-controlled lines in the northwestern part of Work Area 2. Sample Handling and Analytical Procedures are described in Appendix III. No soil sampling was done in 2014. In 2015, samples were collected on grid lines east and northeast of the KVS. These samples have not yet been analyzed.

Effectiveness of soil sampling is often limited by thick layers of organic material and overburden, and in many areas, by permafrost. Despite these limitations, soil sampling has been

one of the most effective surface exploration techniques for identifying trenching or drilling targets.

Results for gold, silver, lead, arsenic and copper from historical programs as well as Rockhaven's sampling in and around the KVS are illustrated in Figures 13 to 17, respectively, for area in and around the KVS. Table 11 lists the anomalous thresholds and peak values obtained by Rockhaven's surveys, for these elements.

Table 11: Geochemical Data for Soil Samples

	Anomalous Thresholds			Peak Values
Element	**Weak**	**Moderate**	**Strong**	
Gold (ppb)	≥ 5 < 10	≥ 10 < 20	≥ 20	920
Silver (ppm)	≥ 0.5 < 1	≥ 1 < 2	≥ 2	61.3
Lead (ppm)	≥ 10 < 20	≥ 20 < 50	≥ 50	722
Copper (ppm)	≥ 20 < 50	≥ 50 < 100	≥ 100	1,870
Arsenic (ppm)	≥ 10 < 20	≥ 20 < 50	≥ 50	1,750

Results from grid sampling near the KVS exhibit distinct copper zonation from east to west. Copper is strongest in the southeast, in proximity to the intrusive centre at the Kelly Zone. Response across the remainder of the gridded area is more subdued. The more southerly BRX, AEX, Dickson and Chevron zones have weakly elevated copper-in-soil signatures, while the other zones, further to the north, show only background copper response.

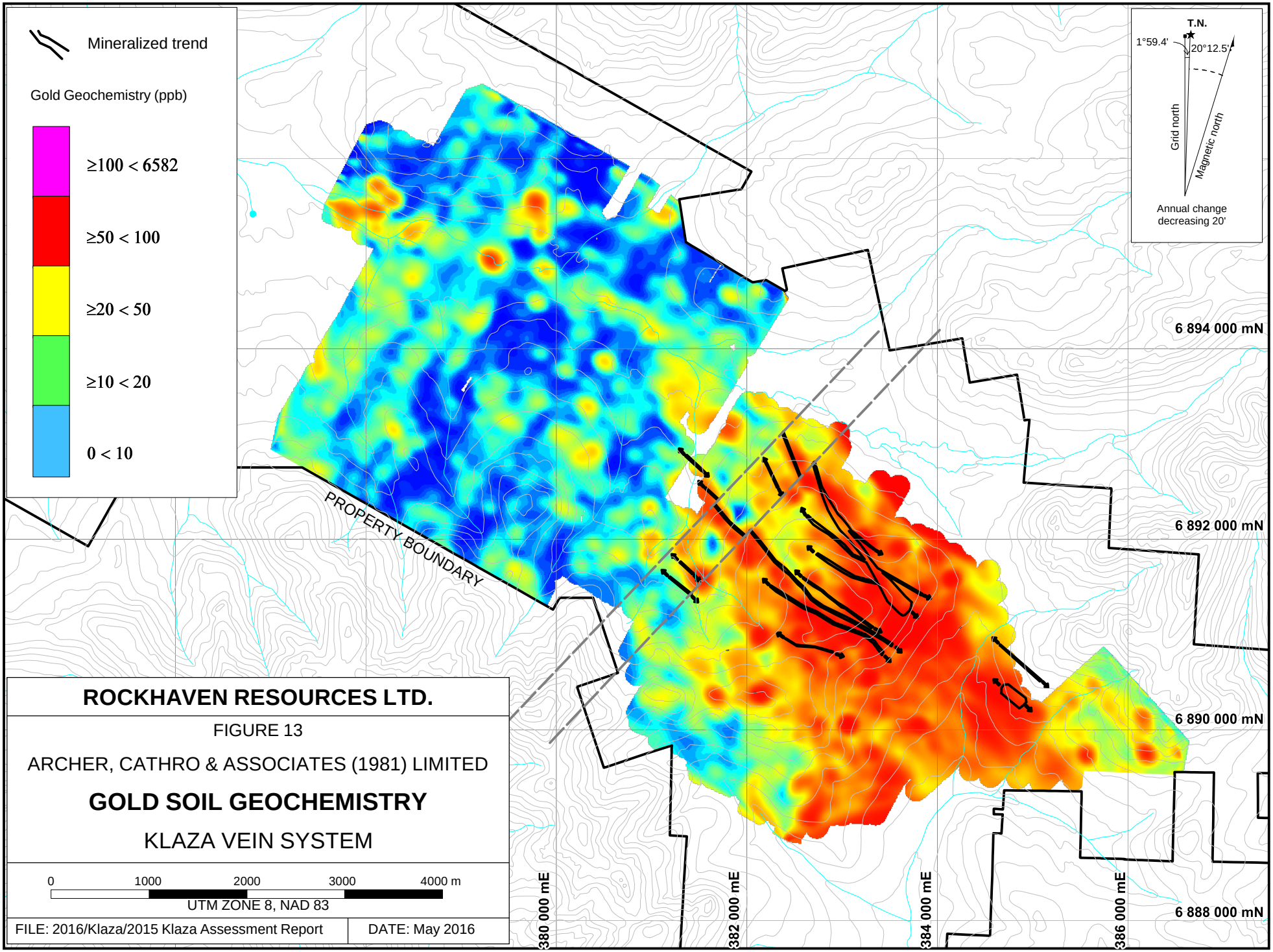
The structural corridor hosting the nine known mineralized zones in the KVS is defined by linear trends of moderately to strongly anomalous values for gold, silver, lead and arsenic. Similar but more discontinuous anomalies have been identified southwest and northeast of the structural corridor, where no zones have been discovered to date. Northwest along strike of the known mineralized zones, elevated soil values occur as isolated samples or in small clusters. The lack of continuity in these outlying anomalies may be due in part to more difficult sampling conditions resulting from lower elevations and increased overburden depths.

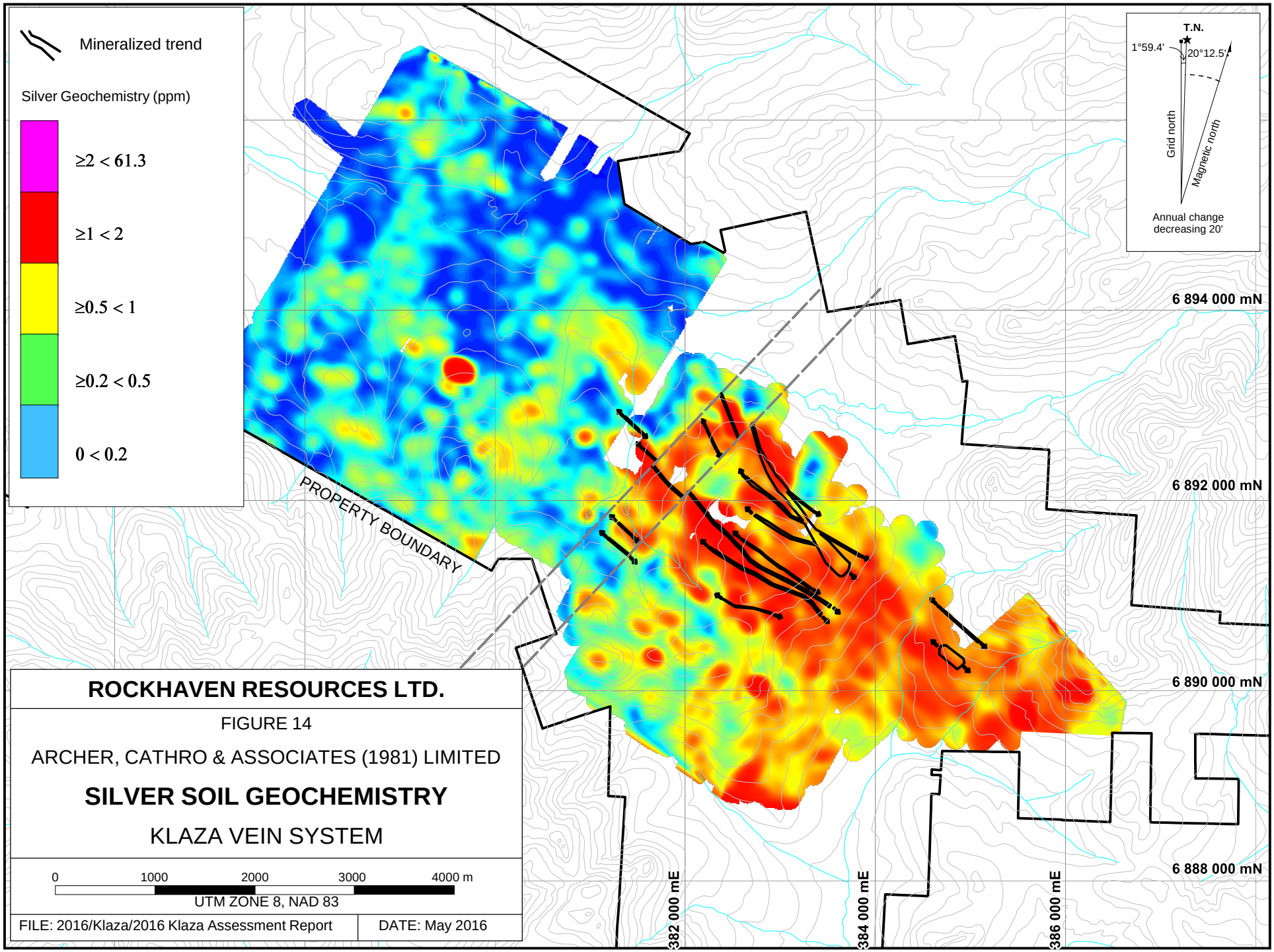
Work Areas 1, 3, 4, 5 and 6

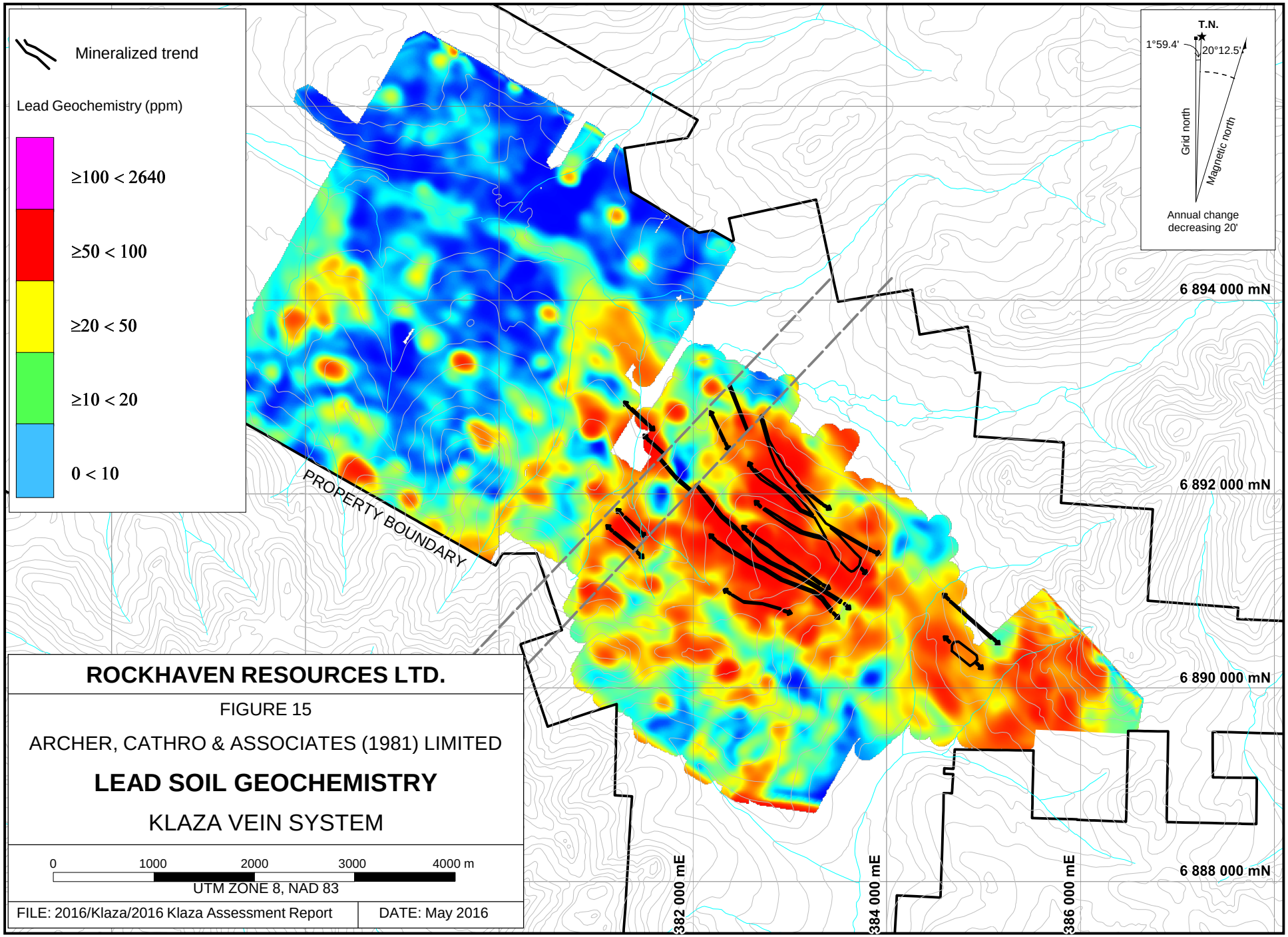
Reconnaissance-scale soil geochemical programs and some grid soil sampling, have been done in Work Areas 1, 3, 4, 5 and 6. The most significant values came from the BBB, Dade, Sked and Val claim groups.

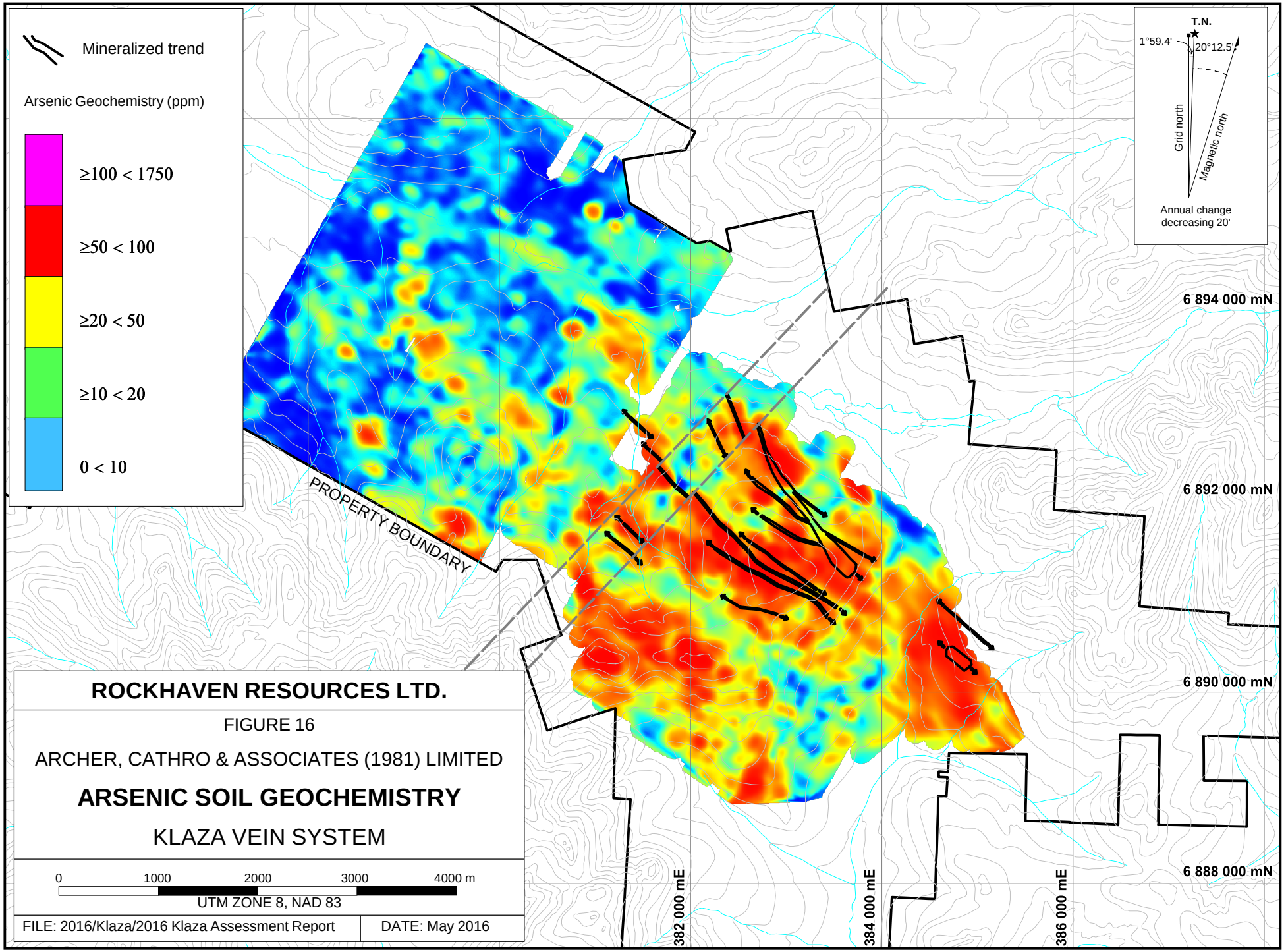
Soil samples taken from undrilled areas of the Dade claims have returned values to a maximum of 166 ppb gold. Samples collected from soil near bedrock on trench floors yielded values from background to 7260 ppb gold.

The results from the Sked/Desk claims include background to moderately anomalous gold, arsenic and sliver values to peaks of 1100 ppb, 1100 ppm and 4.4 ppm, respectfully.


Mineralized trend
Gold Geochemistry (ppb)
≥100 < 6582
≥50 < 100
≥20 < 50
≥10 < 20
0 < 10
T.N.
1°59.4'
20°12.5'
Grid north
Magnetic north
Annual change
decreasing 20'
PROPERTY BOUNDARY
6 894 000 mN
6 892 000 mN
6 890 000 mN
6 888 000 mE
380 000 mE
382 000 mE
384 000 mE
386 000 mE
ROCKHAVEN RESOURCES LTD.
FIGURE 13
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
GOLD SOIL GEOCHEMISTRY
KLAZA VEIN SYSTEM
0
1000
2000
3000
4000 m
UTM ZONE 8, NAD 83
FILE: 2016/Klaza/2015 Klaza Assessment Report
DATE: May 2016


Mineralized trend
Silver Geochemistry (ppm)
≥2 < 61.3
≥1 < 2
≥0.5 < 1
≥0.2 < 0.5
0 < 0.2
PROPERTY BOUNDARY
T.N.
1°59.4'
20°12.5'
Grid north
Magnetic north
Annual change
decreasing 20'
6 894 000 mN
6 892 000 mN
6 890 000 mN
6 888 000 mE
382 000 mE
384 000 mE
386 000 mE
ROCKHAVEN RESOURCES LTD.
FIGURE 14
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
SILVER SOIL GEOCHEMISTRY
KLAZA VEIN SYSTEM
0
1000
2000
3000
4000 m
UTM ZONE 8, NAD 83
FILE: 2016/Klaza/2016 Klaza Assessment Report
DATE: May 2016


Mineralized trend
Lead Geochemistry (ppm)
≥100 < 2640
≥50 < 100
≥20 < 50
≥10 < 20
0 < 10
PROPERTY BOUNDARY
T.N.
1°59.4'
20°12.5'
Grid north
Magnetic north
Annual change
decreasing 20'
6 894 000 mN
6 892 000 mN
6 890 000 mN
6 888 000 mE
382 000 mE
384 000 mE
386 000 mE
ROCKHAVEN RESOURCES LTD.
FIGURE 15
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
LEAD SOIL GEOCHEMISTRY
KLAZA VEIN SYSTEM
0 1000 2000 3000 4000 m
UTM ZONE 8, NAD 83
FILE: 2016/Klaza/2016 Klaza Assessment Report
DATE: May 2016



ROCKHAVEN RESOURCES LTD.

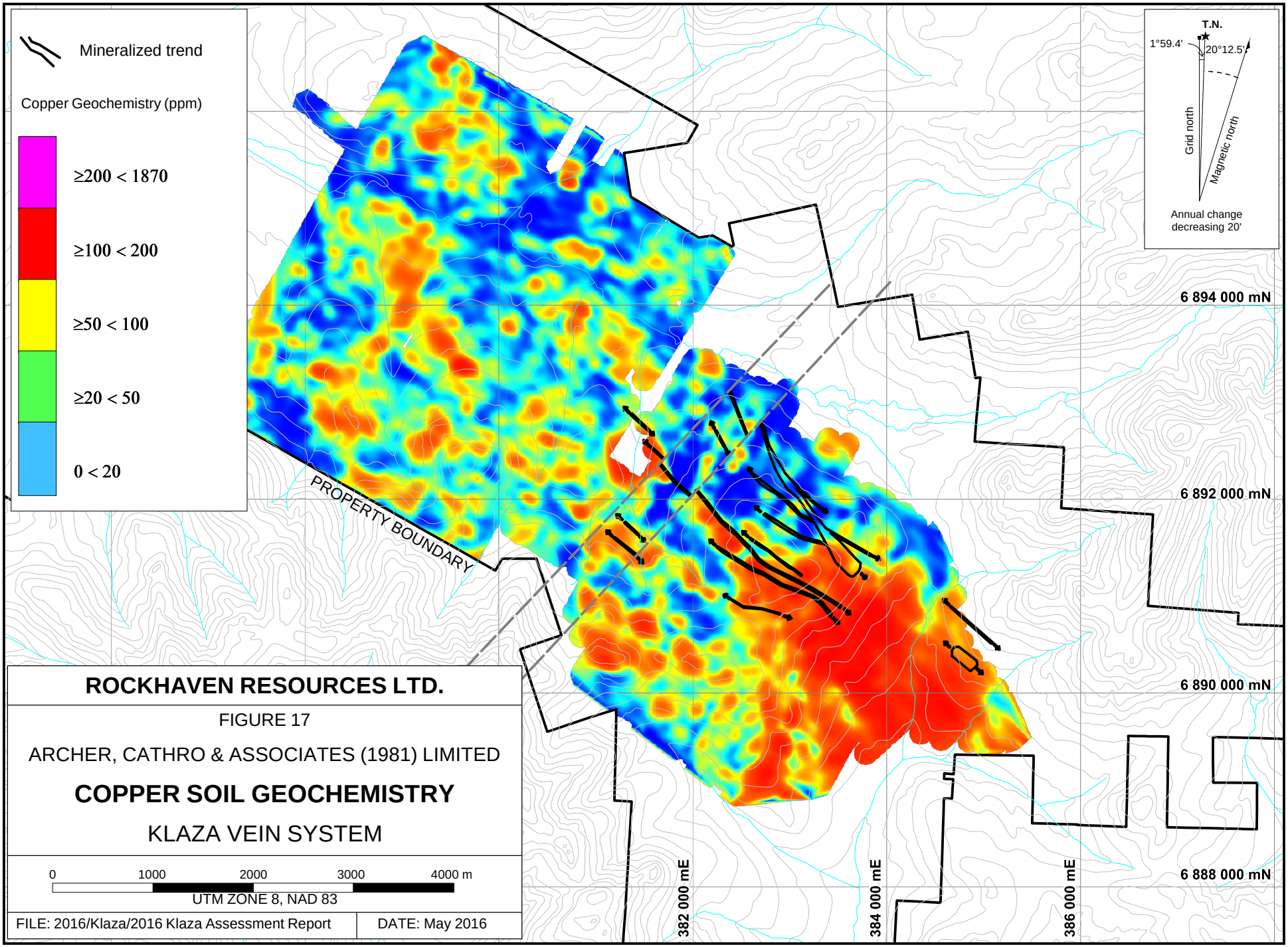
FIGURE 16

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

ARSENIC SOIL GEOCHEMISTRY

KLAZA VEIN SYSTEM

FILE: 2016/Klaza/2016 Klaza Assessment Report | DATE: May 2016


Mineralized trend
Copper Geochemistry (ppm)
≥200 < 1870
≥100 < 200
≥50 < 100
≥20 < 50
0 < 20
PROPERTY BOUNDARY
T.N.
1°59.4'
20°12.5'
Grid north
Magnetic north
Annual change
decreasing 20'
6 894 000 mN
6 892 000 mN
6 890 000 mN
6 888 000 mE
382 000 mE
384 000 mE
386 000 mE
ROCKHAVEN RESOURCES LTD.
FIGURE 17
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
COPPER SOIL GEOCHEMISTRY
KLAZA VEIN SYSTEM
0
1000
2000
3000
4000 m
UTM ZONE 8, NAD 83
FILE: 2016/Klaza/2016 Klaza Assessment Report
DATE: May 2016

The Val claims host multiple anomalous zones containing elevated gold, silver, lead and zinc results, with peak values of 154 ppb, 13.9 ppm, 671 ppm, and 511 ppm, respectively.

Results from various geochemical programs are summarized in: Cathro and Culbert, 1969; Cathro, 1974 and 1976; Main, 1987; Mann and Slack, 1996; Chung, 2011; Burrell, 2014; Smith, 2010 and 2011; Galambos, 1988; Schmidt, 1996 and 1997; Carlyle, 1997; McClintock, 1986; Heberlein and Lyons, 1986; Stroshein, 2001, 2003, 2004, and 2008.

GEOPHYSICAL SURVEYS

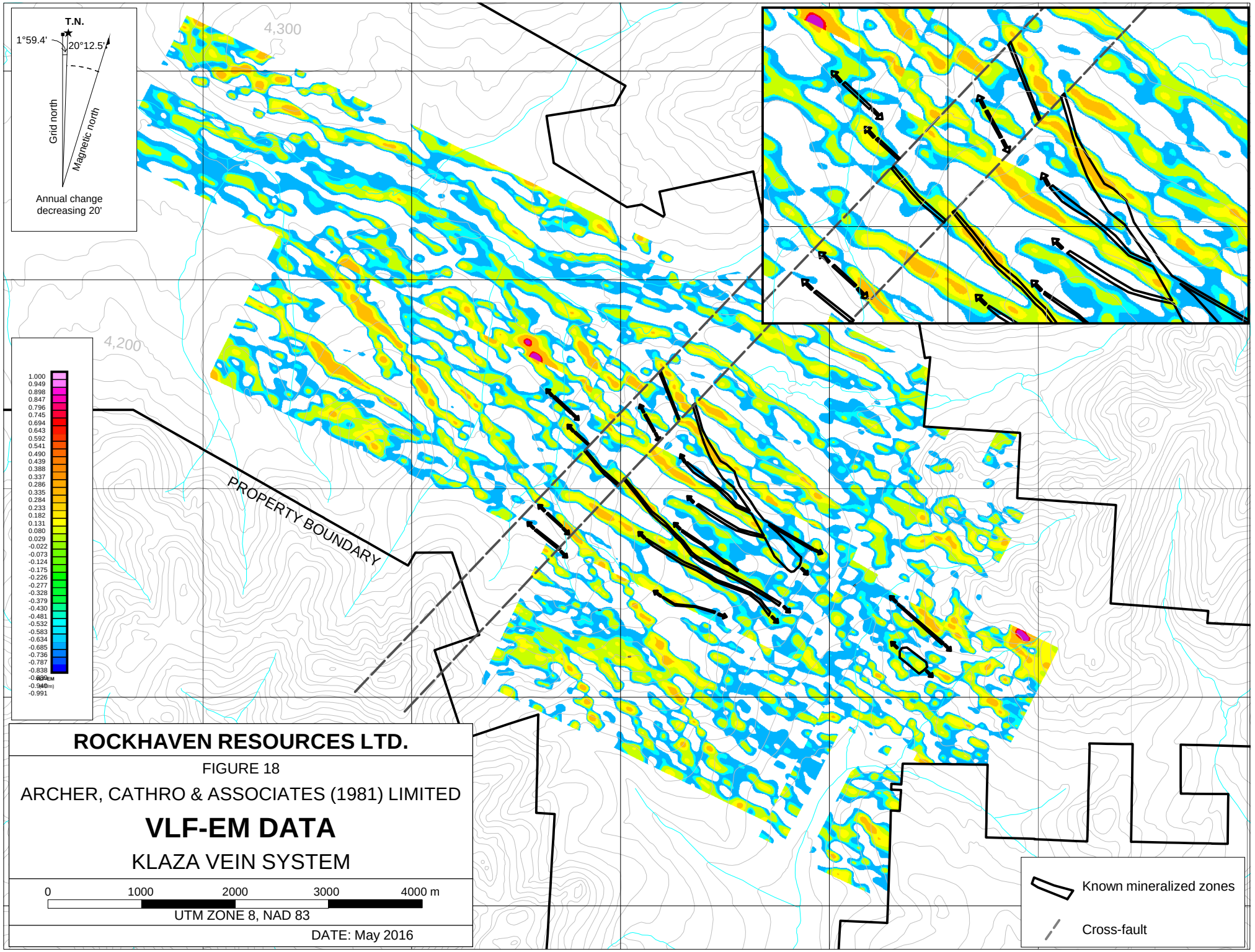
Work Area 2

To date, four types of geophysical surveys have been completed within Work Area 2: (1) SJ Geophysics Ltd. (SJ Geophysics) of Delta, British Columbia conducted two ground-based VLF-EM and magnetic surveys on behalf of BYG Natural Resources in 1996 (Visser et al., 1996) and Rockhaven in 2014; (2) Aurora Geosciences Ltd. of Whitehorse, Yukon conducted a gradient array induced polarization survey on behalf of Bannockburn Resources in 2006 (Wengzynowski, 2006); (3) New-Sense Geophysics Ltd. (NSG) of Markham, Ontario conducted two high sensitivity helicopter-borne magnetic and gamma-ray spectrometric surveys for Rockhaven during the 2010 (Turner and Tarswell, 2011) and 2011 (Tarswell and Turner, 2012) field seasons; and (4) Ground Truth Exploration of Dawson City, Yukon conducted high resolution induced polarization surveys along two experimental lines in the Central Klaza and Central BRX zones for Rockhaven during the 2013 field season.

The **SJ Geophysics** VLF-EM and ground-based magnetic surveys were completed during two programs and covered a total of 330 line kilometres on a 4.5 by 8 km grid in the eastern and central parts of Work Area 2. The first survey was completed on behalf of BYG in 1996 and covered 250 line kilometres. In 2014, Rockhaven added another 80 line kilometres to the earlier survey. SJ Geophysics integrated and interpreted the data from both surveys and produced images relating to it. These surveys delineated numerous linear magnetic lows and VLF-EM conductors that coincide with known mineralized zones within the KVS. Northerly trending breaks in the VLF-EM conductors correspond to known or suspected cross-faults. Figure 18 shows the VLF-EM results overlain with the interpreted surface traces of the mineralized structural zones and their possible extensions along strike.

The gradient array and pole-dipole IP survey conducted by **Aurora Geosciences** covered a 1800 by 1450 m area in the eastern and central parts of the KVS. Readings were collected at 25 m intervals along lines spaced 100 m apart. This survey identified two main anomalies, both of which feature elevated chargeability with coincident low resistivity.

The most prominent anomaly is located in the southeastern corner of the grid. It is only partially defined and currently comprises a 1000 m diameter, semicircular area characterized by moderate chargeability and low resistivity, which remains open to the south and east. This anomaly coincides with an area of elevated gold-in-soil geochemistry (25 to 100 ppb) and strong copper geochemistry (>200 ppm) as well as weak porphyry-style mineralization and alteration that are part of the Kelly Zone. To date, only two trenches and one drill hole have tested the northern



ROCKHAVEN RESOURCES LTD.

FIGURE 18

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

VLF-EM DATA

KLAZA VEIN SYSTEM

0 1000 2000 3000 4000 m

UTM ZONE 8, NAD 83

DATE: May 2016

edge of this anomaly with the best result coming from hole KL-12-115, which averaged 0.15% copper, 0.14 g/t gold, 2.70 g/t silver and 0.010% molybdenum over 93.15 m.

The second IP anomaly includes three northwesterly trending linear, chargeability features of weak to moderate intensity. These chargeability features are 710 to 1200 m long and are offset 30 to 190 m to the south from parallel resistivity lows. These linear features correspond with parts of the BRX, AEX and BYG zones. The Aurora survey did not cover the Klaza Zone.

The **NSG** surveys resulted in 326 line kilometres being flown on a grid that covered most of Work Area 2. Condor Consulting, Inc. of Lakewood, Colorado was retained to ensure quality control and produced a 3D model of the total field magnetics as well as various vertical derivatives. The first vertical derivative is shown on Figure 19.

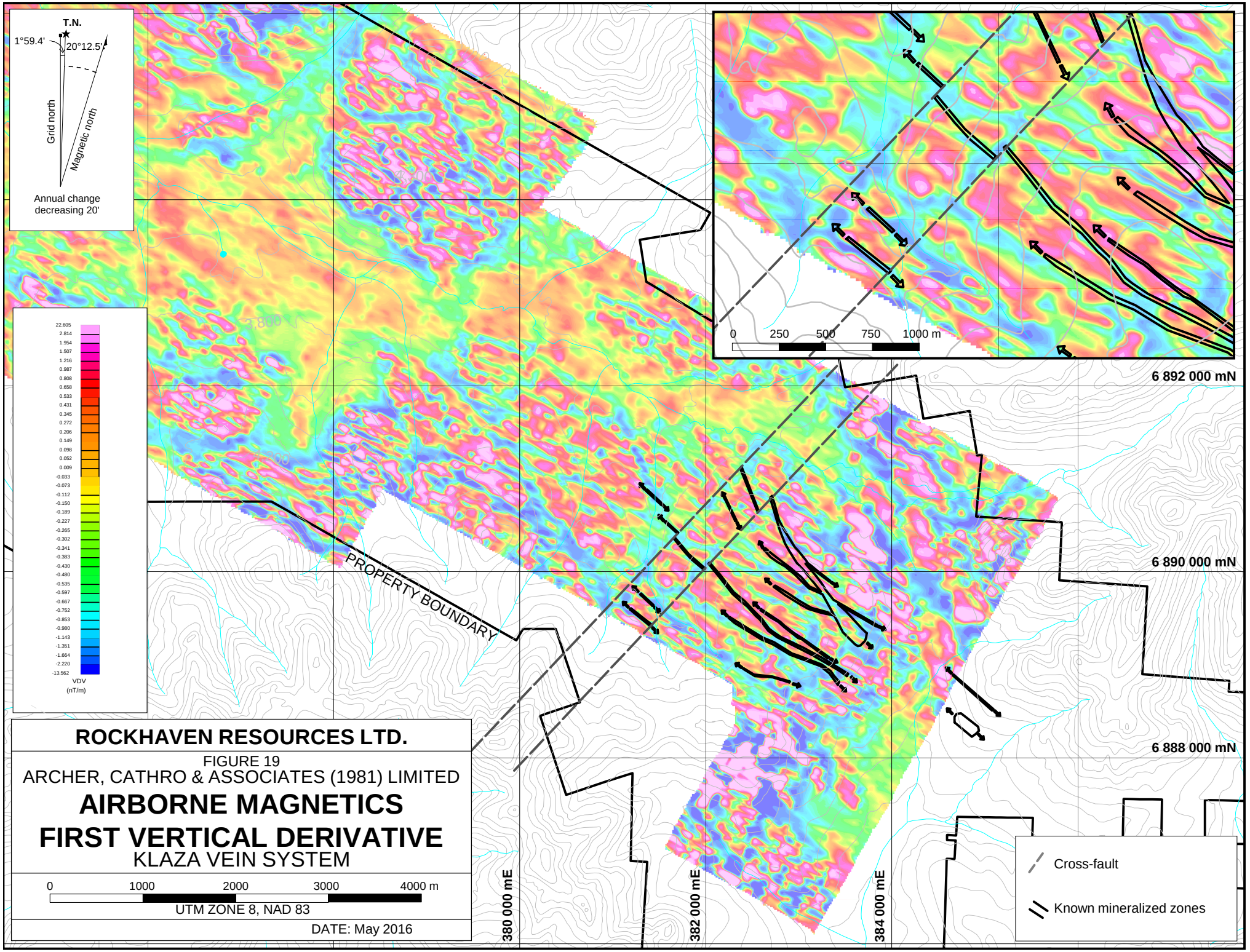
Magnetic surveys identified several prominent, linear magnetic lows. Subsequent trenching and drilling have shown that many of the northwesterly trending lows coincide with mineralized structural zones in the KVS, while northeasterly trending breaks in the magnetic data correspond to cross-faults. These relationships are consistent with the low magnetic susceptibility results returned from core samples within the altered structural zones compared to higher values from surrounding unaltered wallrocks. Several of the magnetic lows extend outside the main areas of exploration and have not yet been tested by drilling or trenching. Figure 14 shows the first vertical derivative of the magnetic data overlain with the interpreted surface traces of the structural zones.

Elevated potassic radioactivity is evident in the general area of the KVS, but does not specifically coincide with individual mineralized zones. Numerous porphyry dykes and frost boils containing porphyry fragments lie within this area and are the probable source of this radioactivity. The Klaza River valley, to the north of the KVS, has generally subdued radiometric response, which is likely due to thick vegetation and water saturation in the flats adjacent to the river. Elevated radioactivity that directly correlates with the river bed may be caused by exposed gravels, which include abundant potassium feldspar bearing, intrusive material.

The experimental IP survey conducted by **Ground Truth Exploration** collected dipole-dipole extended, inverse Schlumberger and strong gradient array data on section lines 10+050 mE and 10+600 mE across the Klaza and BRX zones. Each of these lines was 415 m long (a single spread length for the arrays). Transceivers were placed five metres apart along the lines, resulting in a very high signal to noise ratio and thus providing high quality resistivity data. The mineralized vein and breccia zones tested by the two lines show up as resistivity lows that coincide with chargeability highs.

Work Areas 1, 3, 4, 5 and 6

Geophysical surveys of various types have been conducted on Work Areas 1, 3, 4, 5, and 6. The surveys and their results are summarized in: Smith, 2011; Smith, 2012; Galambos, 1988; McClintock, 1986; Heberlein and Lyons, 1986; and, Dujakovic and Visser, 1996. The most



ROCKHAVEN RESOURCES LTD.

FIGURE 19

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

AIRBORNE MAGNETICS
FIRST VERTICAL DERIVATIVE

KLAZA VEIN SYSTEM

0 1000 2000 3000 4000 m

UTM ZONE 8, NAD 83

DATE: May 2016

recent data are from helicopter-borne magnetic and radiometric surveys that were conducted over the BBB and Dade claims.

Magnetic data from the Dade claims has a strong northeasterly fabric, rather than the northwesterly orientation that characterizes the KVS. Although northwest-trending features are less common, a linear with this orientation appears to mark a fault that truncates or offsets veining identified in trenches.

The first vertical derivative evaluation of the magnetic data from the BBB claims delineates a number of northwest-trending magnetic lows akin to those that coincide with mineralized structures in the KVS.

EXCAVATOR TRENCHING

Work Area 2

Rockhaven performed 22,336 m of excavator trenching in 89 trenches between 2010 and 2015. Chip samples were taken along the west rib of each trench or where bedrock was the most stable. Sample Handling and Analytical Procedures are described in Appendix III, while Certificates of Analysis can be found in Appendix IV.

Historically, excavator trenching in geochemically anomalous areas has been the most effective tool for identifying near surface but non-outcropping, mineralized zones. Overburden within the main areas of exploration generally consists of 5 to 20 cm of vegetation and soil organics overlying a discontinuous layer of white volcanic ash and 50 to 125 cm of loess and/or residual soil, capping decomposed bedrock.

Typical trench exposures within the mineralized vein zones exhibit strong limonite and clay alteration that is often water saturated and strongly weathered compared to surrounding wallrocks. These zones are intensely fractured and have high porosity, as a result of near surface oxidation. Residual sulphide minerals are rarely present in trenches and, where seen, they are usually encapsulated in silica. The locations and orientations of lithological contacts in trenches correspond very well with those intersected in nearby drill holes, indicating little solifluction has occurred. Outside of the mineralized zones, trench exposures are dominated by blocky, weakly oxidized granodiorite.

Table 12 lists the total number and combined lengths of trenches completed in the Klaza claim group by Rockhaven each year since 2010.

Table 12: 2010 to 2015 Excavator Trenching Summary

Year	Number of Trenches	Total Length (m)
2010	21	8,000
2011	12	4,050
2012	11	4,000
2013	38	5,000
2014	5	880
2015	2	436
TOTAL	**89**	**22,366**

The majority of Rockhaven's trench locations were selected on the basis of historical results. Where possible, trenches were excavated in areas that had previously been stripped of soil an vegetation. The trenches were aligned at about 030°, perpendicular to the trends of main veins and soil geochemical and geophysical anomalies. Figure 20 is a plan view map showing trench locations and approximate surface traces of the nine main mineralized structural zones in the KVS.

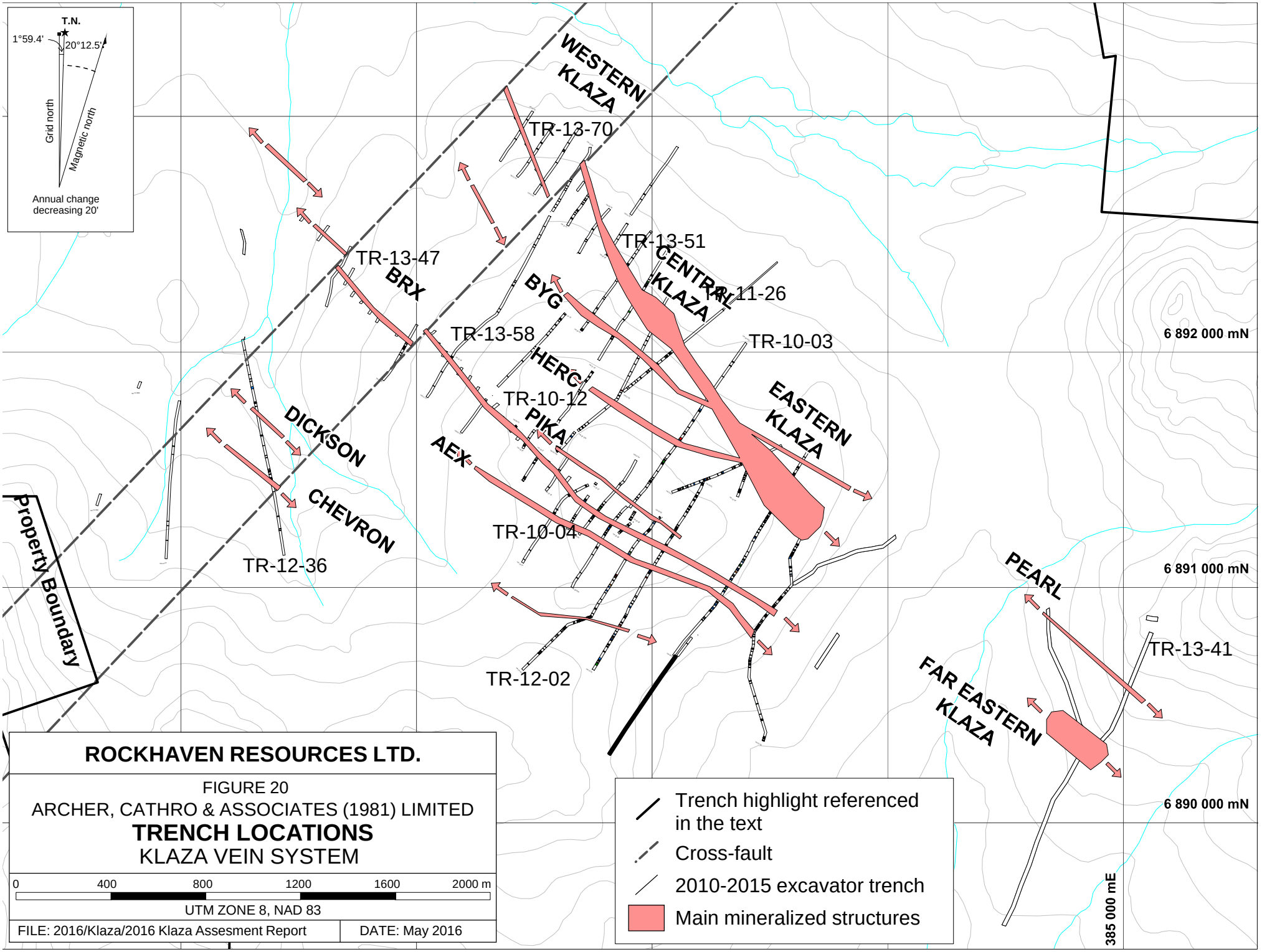
In 2015, two trenches totalling 436 m were done using a Hitachi 450 excavator, owned by 15317 Yukon Ltd. of Whitehorse, leased by Rockhaven and operated by Archer Cathro personnel. One of the 2015 trenches (TR-15-80) was dug at the Central Klaza Zone. It cut two veins: one grading 12.14 g/t gold with 124 g/t silver over 7 m; and, the other 36 g/t gold with 374 g/t silver over 2 m. A total of 189 chip samples were collected from the trench. The other 2015 trench was designed to test geochemical and geophysical anomalies on the south side of the KVS. Most of this trench was not completed to bedrock and none of it was sampled.

Individual zones and their key historical trench results are discussed from north to south in the following paragraphs, based on descriptions in Tarswell and Turner, 2014. All widths reported are sampled widths, which are considered to represent 80 to 90% of true widths.

The **Pearl Zone** is one of the mineralized structures identified in the eastern-most portion of the KVS. It was exposed in two excavator trenches located 450 m apart along a recessive linear. The best interval was exposed in TR-13-41S. It averaged 2.85 g/t gold and 20.04 g/t silver across 10.72 m, including 1.25 m grading 19.75 g/t gold and 148.00 g/t silver.

The **Klaza Zone** has been traced by closely spaced trenches for a strike length of 2400 m, but is projected to another trenching area 1300 m to the east, for a potential total strike length of 1300 m. The zone is made up of numerous individual veins that range between 0.2 to 4.5 m wide.

Narrow, high-grade silver-gold enriched veins in the ***Western Klaza Zone*** are believed to represent distal mineralization. A strong vein and a nearby weaker vein, both with good lateral continuity, have been traced along this segment of the zone. These veins are not emplaced alongside a feldspar porphyry dyke, nor are they flanked by the type of sheeted veining seen elsewhere in the Klaza Zone. The mineral assemblages contain higher proportions of


T.N.
1°59.4'
20°12.5'
Grid north
Magnetic north
Annual change
decreasing 20'
WESTERN KLAZA
TR-13-70
TR-13-51
CENTRAL KLAZA
TR-11-26
TR-13-47
BRX
BYG
TR-13-58
TR-10-03
HERC
TR-10-12
EASTERN KLAZA
PIKA
AEX
DICKSON
CHEVRON
TR-12-36
TR-10-04
TR-12-02
Property Boundary
PEARL
TR-13-41
FAR EASTERN KLAZA
6 892 000 mN
6 891 000 mN
6 890 000 mN
385 000 mE
ROCKHAVEN RESOURCES LTD.
FIGURE 20
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
TRENCH LOCATIONS
KLAZA VEIN SYSTEM
0
400
800
1200
1600
2000 m
UTM ZONE 8, NAD 83
FILE: 2016/Klaza/2016 Klaza Assesment Report
DATE: May 2016
Trench highlight referenced in the text
Cross-fault
2010-2015 excavator trench
Main mineralized structures

arsenopyrite and sulphosalts than are common further east in the zone, and silver to gold ratios are higher. The best trench result from this part of the Klaza Zone was 16.76 g/t gold and 1052 g/t silver over 3.03 m in TR-13-70.

Mineralization in the ***Central Klaza Zone*** is hosted within a laterally extensive complex of steeply dipping veins, breccias and sheeted veinlets that are associated with a swarm of feldspar porphyry dykes. The strongest veins are typically found along dyke margins. The best result from this part of the Klaza Zone was 5.61 g/t gold and 300 g/t silver over 18.79 m in TR-13-51.

Mineralization in the ***Eastern Klaza Zone*** comprises broad zones of quartz-pyrite stringers and veinlets hosting disseminated galena, sphalerite, chalcopyrite and rare molybdenum. Barren feldspar porphyry dykes up to 70 m wide crosscut zones of mineralization. The strongest vein zones are typically associated with broad areas of phyllic and weak potassic alteration hosting disseminated pyrite and trace molybdenum. The best results returned from this part of the Klaza Zone were 0.69 g/t gold and 3.43 g/t silver over 53.95 m in TR-13-42, and 0.18 g/t gold and 2.69 g/t silver across 302.7 m in TR-12-08.

While individual mineralized exposures within the Klaza Zone are generally comparable to those at other zones in the KVS, the Central and Eastern Klaza Zones are distinguished by the presence of multiple subparallel veins, which are relatively closely spaced within a structural corridor that is up to 100 m wide.

In 2013, two trenches tested the projected extension of the Klaza Zone 1300 m east of the main trenching area. The best of these trenches (TR-13-41S) yielded multiple mineralized intervals, including 1.91 m grading 2.38 g/t gold and 18.25 g/t silver. The area between this trench and the known Klaza Zone has not yet been drilled or trenched and the continuity between these areas has not been established.

The **BYG Zone** splays south off the east-central part of the Klaza Zone. It has been traced by excavator trenches for 650 m and hosts veins developed along the selvages of two dyke swarms. An interval in TR-11-26 returned 2.13 g/t gold and 7.94 g/t silver across 14.68 m.

The **Herc Zone** also appears to splay off the Klaza Zone, approximately 300 m east of the BYG Zone. The Herc Zone was discovered in 2010 by following up historical soil geochemical results and has been traced over a 460 m strike length. The best exposure was in TR-10-12, which yielded 3.06 g/t gold and 48.66 g/t silver over 7.60 m. Trenching along the projected strike to the west failed to identify significant mineralization, although strong alteration was exposed along the inferred trend.

The **Pika Zone** was also discovered in 2010 and lies 650 m south of the Klaza Zone. It hosts one or two discrete veins that have been tested by four trenches along a 740 m strike length. This zone has a relatively weak soil geochemical signature compared to the other known zones. The best interval obtained from trenching yielded 2.94 g/t gold and 190.06 g/t silver over 3.20 m (TR-12-04).

The **BRX Zone** was the original historical discovery on KVS and has now been traced for a length of 2400 m by 37 trenches. The total strike length comprises three or more, fault offset segments. Mineralization within the BRX Zone is associated with a laterally extensive feldspar porphyry dyke. Veins occur on the margins of that dyke and, where the dyke splits into two or more 'fingers,' the number of veins increases, which sometimes results in wider mineralized intervals. All of the vein exposures in this zone host abundant sulphide and quartz veinlets. The best results are from the 500 m long section, called the ***Western BRX Zone,*** which is situated between two northeast-trending cross-faults. Highlights from this section include 87.0 g/t gold and 768 g/t silver over 1.15 m in TR-13-47 and 71.4 g/t gold and 1,310 g/t silver over 2.25 m in TR-13-58.

The **AEX Zone** was discovered in 2012, lies 850 m south of the Klaza Zone and has been traced for 1650 m. The best trench exposure was in TR-10-03 and returned 10.90 g/t gold and 56.41 g/t silver over 1.25 m.

The **Dickson Zone** was also discovered in 2012 and lies 1050 m south of the BRX Zone. It has been exposed in two areas, located approximately 1500 m apart within a 3000 m long geophysical and multi-element soil geochemical anomaly. The best exposure from this zone was in TR-12-02 and returned 10.85 g/t gold and 93.60 g/t silver over 1.60 m.

The **Chevron Zone** was another 2012 discovery, which is located approximately 1150 m south of the BRX Zone. It hosts multiple vein structures that have only been tested by two trenches. The best trench results were 3.79 g/t gold and 190.48 g/t silver over 9.20 m and 6.25 g/t gold and 319 g/t silver over 4.80 m, both from TR-12-36.

Table 13 lists the most significant mineralized intervals from trenching programs between 2010 and 2015.

Table 13: Significant Trench Results – Klaza Vein System

Trench	From (m)	To (m)	Int. (m)	Au (g/t)	Ag (g/t)	Zone
TR-10-01	229.32	231.32	2.00	6.36	118.55	PIKA
TR-10-01	311.02	312.63	1.61	5.67	140.09	Eastern BRX
TR-10-01	323.89	328.89	5.00	2.91	0.60	Eastern BRX
TR-10-01	469.10	473.62	4.52	2.48	46.80	AEX
TR-10-02	92.45	97.45	5.00	1.39	28.30	Eastern BRX
TR-10-02	227.07	232.37	5.30	1.85	29.63	AEX
TR-10-02	377.20	379.09	1.89	2.78	81.88	Eastern BRX
TR-10-03	236.96	238.21	1.25	10.90	56.41	AEX
TR-10-03	356.26	356.96	0.70	5.39	88.40	Eastern BRX
TR-10-03	96.30	99.00	2.70	2.61	14.80	Eastern Klaza
TR-10-03	349.50	352.50	3.00	6.80	55.67	Eastern Klaza
TR-10-03	464.61	467.07	2.46	7.43	146.38	BYG
TR-10-03	485.91	495.91	10.00	4.22	7.90	HERC
TR-10-04	105.50	108.70	3.20	2.94	190.06	PIKA

TR-10-04	257.47	258.50	1.03	19.80	135.00	Central BRX
TR-10-04	267.17	268.45	1.28	2.26	46.00	Central BRX
TR-10-04	300.67	301.80	1.13	7.09	146.00	Central BRX
TR-10-04	314.50	316.00	1.50	12.50	237.00	Central BRX
TR-10-04	320.00	321.70	1.70	2.81	7.57	Central BRX
TR-10-06	37.90	41.90	4.00	6.40	27.48	Eastern BRX
TR-10-08	322.84	325.34	2.50	3.57	1.40	AEX
TR-10-08	441.80	446.80	5.00	1.70	1.10	Eastern BRX
TR-10-08	453.60	456.10	2.50	4.47	1.80	Eastern BRX
TR-10-09	220.67	235.52	14.85	2.55	37.83	Central Klaza
TR-10-09	346.42	347.34	0.92	1.18	178.00	BYG
TR-10-10	63.73	66.28	2.55	2.45	71.53	Central Klaza
TR-10-10	129.13	136.93	7.80	6.96	66.36	Central Klaza
TR-10-10	148.63	152.05	3.42	1.20	96.20	Central Klaza
TR-10-11	199.55	204.95	5.40	2.04	18.66	Central Klaza
TR-10-11	225.00	227.47	2.47	4.54	12.70	Central Klaza
TR-10-11	240.57	242.07	1.50	2.33	33.00	Central Klaza
TR-10-11	454.34	459.56	5.22	1.52	31.21	BYG
TR-10-12N	188.40	196.00	7.60	3.06	48.66	HERC
TR-10-12N	409.00	412.00	3.00	2.78	9.90	BYG
TR-10-12N	423.20	425.30	2.10	2.58	12.50	BYG
TR-10-12N	597.50	615.20	17.70	2.56	30.42	Central Klaza
TR-10-12N	711.00	715.00	4.00	1.01	27.20	Central Klaza
TR-10-12S	2.20	4.00	1.80	0.97	309.61	PIKA?
TR-10-12S	89.25	90.25	1.00	1.67	461.00	PIKA?
TR-10-13	301.58	303.58	2.00	2.44	5.80	Eastern Klaza
TR-10-14	240.00	241.50	1.50	2.53	133.00	AEX
TR-10-14	246.00	247.00	1.00	2.52	94.40	AEX
TR-10-14	252.00	253.50	1.50	5.60	56.90	AEX
TR-10-14	349.50	350.50	1.00	0.99	166.00	AEX
TR-10-14	361.70	362.70	1.00	9.31	996.00	Central BRX
TR-10-14	366.70	369.50	2.80	1.90	17.52	Central BRX
TR-10-15	38.90	39.90	1.00	2.32	1162.28	AEX
TR-10-15	50.40	53.45	3.05	1.96	14.02	AEX
TR-10-15	69.32	70.32	1.00	3.76	26.00	AEX
TR-10-15	121.50	126.00	4.50	2.92	140.01	Central BRX
TR-10-17	124.77	127.07	2.30	1.54	71.10	Central BRX
TR-10-17	136.87	143.87	7.00	0.96	99.00	Central BRX
TR-10-19	72.65	74.10	1.45	12.45	305.00	Central Klaza
TR-10-20	14.34	17.84	3.50	4.18	360.09	Central BRX
TR-10-21	2.18	10.86	8.68	4.01	434.87	Central BRX

TR-11-22	330.23	331.03	0.80	2.51	260.00	Eastern Klaza
TR-11-22	335.59	337.08	1.49	1.41	77.60	Eastern Klaza
TR-11-22	346.10	349.48	3.38	4.46	61.59	Eastern Klaza
TR-11-22	378.30	379.65	1.35	9.86	61.20	Eastern Klaza
TR-11-24	188.46	191.53	3.07	2.94	36.62	Western BRX
TR-11-26	165.60	180.28	14.68	2.13	7.94	BYG
includes	173.47	176.25	2.78	8.28	20.16	BYG
TR-11-26	232.00	234.00	2.00	23.90	39.70	Central Klaza
TR-11-27	62.94	64.14	1.20	0.53	155.00	Western Klaza
TR-11-28	172.19	172.94	0.75	5.19	421.00	Western Klaza
TR-11-30	62.50	63.80	1.30	4.87	634.00	Western Klaza
TR-12-01	51.00	56.00	5.00	0.31	103.00	Dickson
TR-12-01	147.50	151.82	4.32	2.51	52.92	Chevron?
TR-12-02	322.50	324.10	1.60	10.85	93.60	Dickson
TR-12-08	709.70	718.15	8.45	1.69	2.48	Eastern Klaza
TR-12-23	18.00	26.00	8.00	1.65	50.55	Central BRX
includes	22.60	26.00	3.40	3.02	72.91	Central BRX
TR-12-35	81.60	83.85	2.25	5.53	237.61	Western Klaza
TR-12-36	358.50	367.70	9.20	3.79	190.48	Chevron
includes	358.50	363.30	4.80	6.24	318.58	Chevron
TR-13-18	24.00	26.15	2.15	1.37	44.90	Central BRX
TR-13-41N	325.77	336.49	10.72	2.85	20.04	Pearl
includes	326.97	328.22	1.25	19.75	148.00	Pearl
TR-13-41S	811.16	813.07	1.91	2.38	18.25	Far Eastern Klaza
TR-13-42	32.05	35.10	3.05	2.73	6.53	Eastern Klaza
TR-13-42	68.10	69.60	1.50	3.91	9.50	Eastern Klaza
TR-13-42	77.85	86.00	8.15	1.73	2.93	Eastern Klaza
includes	77.85	80.15	2.30	2.77	4.01	Eastern Klaza
includes	83.35	86.00	2.65	2.43	2.81	Eastern Klaza
TR-13-42	105.25	110.55	5.30	0.72	22.88	Eastern Klaza
TR-13-44	1.00	2.05	1.05	1.98	100.00	Central BRX
TR-13-44	21.30	23.80	2.50	1.15	108.00	Central BRX
TR-13-45	104.30	105.30	1.00	17.10	154.00	Western BRX
TR-13-46	263.77	266.77	3.00	1.83	16.50	Chevron
TR-13-46	304.68	317.75	13.07	1.35	12.60	Chevron
includes	304.68	310.66	5.98	2.26	22.34	Chevron
TR-13-47	30.05	31.20	1.15	87.00	768.00	Western BRX
TR-13-49	1.61	2.92	1.31	8.42	548.00	Central BRX
TR-13-51	0.00	1.00	1.00	2.68	97.30	Central Klaza
TR-13-51	11.19	12.19	1.00	0.90	2710.00	Central Klaza
TR-13-51	18.19	19.69	1.50	1.50	134.00	Central Klaza

TR-13-51	24.53	29.98	5.45	18.67	493.22	Central Klaza
includes	26.53	29.98	3.45	29.21	766.54	Central Klaza
TR-13-52	3.75	10.59	6.84	16.20	157.93	Central Klaza
includes	3.75	6.09	2.34	13.50	155.00	Central Klaza
includes	7.49	10.59	3.10	25.40	230.00	Central Klaza
TR-13-53	17.83	22.13	4.30	1.49	5.38	Far Eastern Klaza
TR-13-53	66.72	68.72	2.00	1.04	88.10	Far Eastern Klaza
TR-13-53	107.39	108.77	1.38	4.56	19.60	Far Eastern Klaza
TR-13-53	175.08	180.08	5.00	4.13	64.67	Far Eastern Klaza
TR-13-53	233.24	237.61	4.37	1.47	1.49	Far Eastern Klaza
TR-13-53	524.58	525.78	1.20	28.20	359.00	Pearl
TR-13-55	39.85	41.90	2.05	1.84	47.70	Western BRX?
TR-13-58	3.35	6.60	3.25	50.07	909.90	Western BRX
TR-13-59	8.85	15.20	6.35	1.02	61.65	Western BRX
TR-13-61	14.25	16.25	2.00	2.97	96.50	Central BRX
TR-13-62	4.85	7.85	3.00	0.95	74.80	Central BRX
TR-13-66	1.00	2.00	1.00	3.41	121.00	Central Klaza
TR-13-66	6.98	8.42	1.44	1.83	214.00	Central Klaza
TR-13-66	15.43	21.99	6.56	10.46	171.99	Central Klaza
includes	18.72	20.99	2.27	25.70	449.00	Central Klaza
TR-13-67	35.00	38.55	3.55	31.38	310.31	Western BRX
TR-13-67	43.70	48.70	5.00	3.34	80.77	Western BRX
TR-13-68	9.30	11.30	2.00	2.08	274.00	Western BRX
TR-13-68	19.75	21.25	1.50	1.42	166.00	Western BRX
TR-13-69	5.16	9.76	4.60	8.29	295.35	Western Klaza
TR-13-70	2.50	7.03	4.53	11.36	729.95	Western Klaza
includes	2.50	4.00	1.50	24.70	2000.00	Western Klaza
TR-13-71	0.00	1.80	1.80	4.82	53.92	Western Klaza
TR-13-73	1.00	6.20	5.20	15.18	300.90	Western BRX
includes	3.70	6.20	2.50	26.10	574.00	Western BRX
TR-13-74	12.45	14.70	2.25	31.20	1030.00	Western BRX
TR-13-75	4.75	6.20	1.45	11.50	1680.00	Western BRX
TR-13-75	17.24	20.24	3.00	34.70	160.00	Western BRX
TR-13-77	3.60	7.18	3.58	9.16	430.28	Western BRX
includes	5.08	7.18	2.10	14.40	729.00	Western BRX
TR-14-13	188.60	189.90	1.30	5.83	390.00	Eastern Klaza
and	226.70	227.70	1.00	3.78	9.85	Eastern Klaza
and	246.60	248.60	2.00	2.65	12.48	Eastern Klaza
and	285.70	286.60	0.90	2.64	3.23	Eastern Klaza
and	397.70	399.70	2.00	1.97	2.42	Eastern Klaza
TR-14-79	16.20	17.20	5.90	1.13	12.22	Western Klaza

includes	20.70	22.10	1.40	2.75	27	Western Klaza
TR-15-80	208.9	209.9	1.00	41.3	241	Central Klaza
and	209.9	210.9	1.00	31.9	506	Central Klaza

Work Areas 3, 4 and 6

Various types of trenching (hand pits, bulldozer and excavator) have been conducted within Work Areas 3, 4 and 6. The best results from these Work Areas include an interval from trench TR-11-04 on the Desk claims which graded 1.17 g/t gold and 2.5 g/t silver over 36 m, and exposures in trenches TR-11-07 and TR-11-E on the Dade claims, which graded 4.88 g/t gold over 11 m and 1.71 g/t gold over 32 m respectively. The trenching programs are summarized in: Brent, 1991 and 1992; Pautler, 1994; Smith, 2011; Carlyle, 1997; Turner, 2013; and, Stroshein 2001, 2003, 2004, and 2008.

DIAMOND DRILLING

Work Area 2

This section summarizes diamond drill programs completed by Rockhaven in Work Area 2 since 2010.

In 2010, diamond drilling was contracted to Top Rank Diamond Drilling Ltd. of Ste. Rose du Lac, Manitoba, and was done with two skid-mounted, diesel-powered JKS-300 drills using NTW and BTW equipment.

In 2011, diamond drilling was contracted to three companies: Swiftsure Diamond Drilling Ltd. (Swiftsure) of Nanaimo, British Columbia; Strike Diamond Drilling (Strike) of Kelowna, British Columbia; and, Elite Diamond Drilling (Elite) of Vernon, British Columbia. The work was done using two skid-mounted, diesel-powered A-5 drills and one skid-mounted, diesel-powered JKS-300 drill. The A-5 drills used HQ equipment while the JKS-300 used BTW equipment.

In 2012, diamond drilling was contracted to four companies: Swiftsure, Strike, Elite, and Platinum Diamond Drilling Inc. (Platinum) of Winnipegosis, Manitoba. The work was done using three skid-mounted, diesel-powered A-5 drills and one skid-mounted, diesel-powered JKS-300 drill. The A-5 drills used HQ and NQ equipment while the JKS-300 used BTW equipment.

Diamond drilling in 2014 was contracted to Platinum. The work was done using two skid-mounted, diesel powered A-5 drills and one skid-mounted, diesel powered Discovery II drill. The A-5 drills used HQ and NQ equipment while the Discovery II used NQ equipment.

In 2015, diamond drilling was again contracted to Platinum. The work was done using two skid-mounted, diesel-powered A-5 drills. The A-5 drills used both HQ and NQ equipment.

A total of 294 diamond drill holes (70,446.29 m) have been completed in and around the KVS since 2010, as summarized in Table 14. A total of 5422 samples were collected from drill core in 2015. Sample Handling and Analytical Procedures are described in Appendix III, while

Certificates of Analysis are in Appendix IV. Geological and Geotechnical Logs can be found in Appendix V.

Table 14: 2010 to 2015 Diamond Drilling Summary – Klaza Vein System

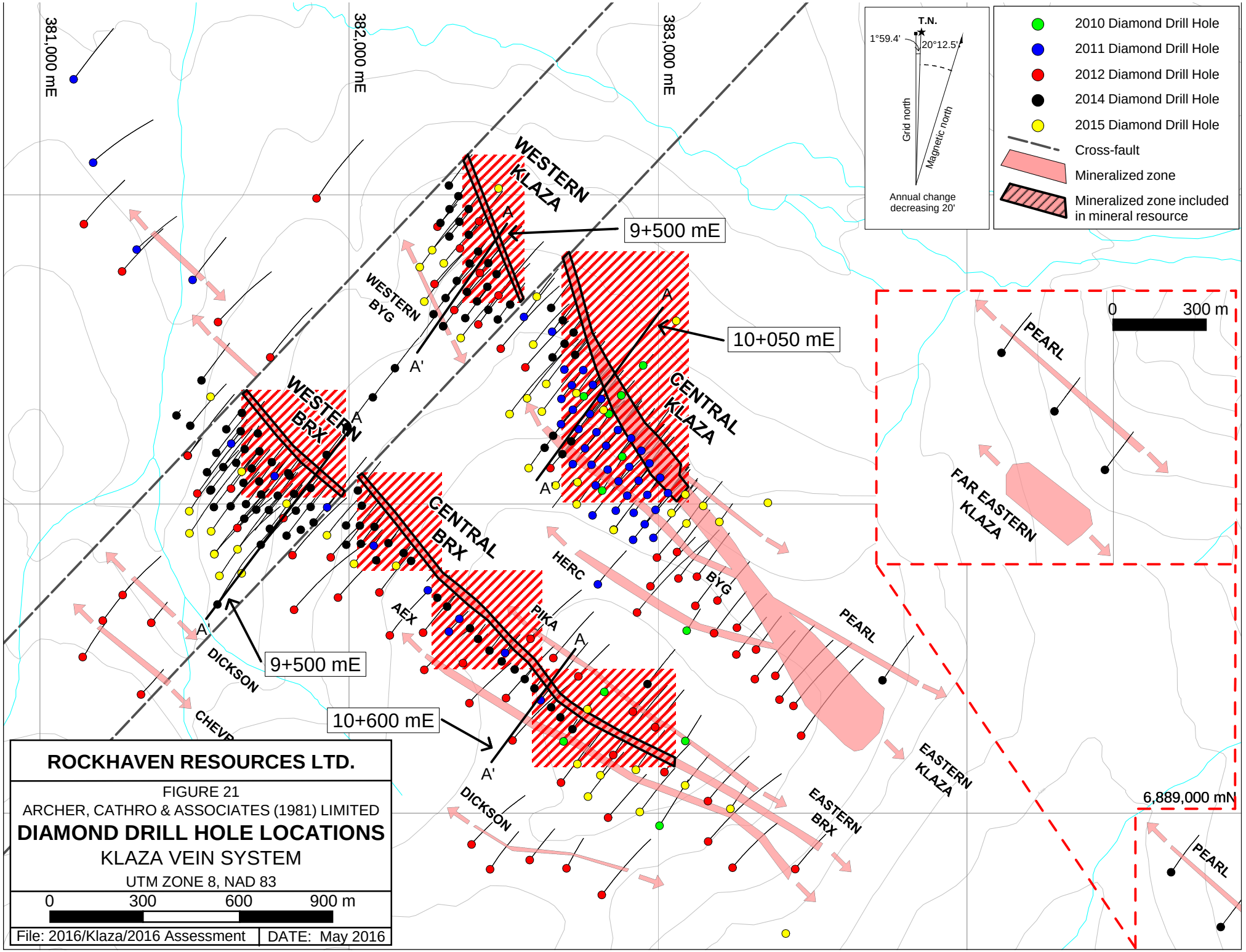
Year	Holes Drilled	Total Drilled (m)
2010	11	1,642.08
2011	52	14,068.45
2012	73	21,719.47
2013	0	0.00
2014	104	19,242.35
2015	56	13,773.94
TOTAL	**296**	**70,446.29**

All diamond drill holes were collared at dips of -50° (with the exception of vertical water monitoring holes) and most of the holes had azimuths of 030° to 035° (north-northeast) as shown on Figure 21. Drilling has been on section lines spaced roughly 50 m apart along much of the lengths of both the Klaza and BRX zones. More widely spaced drill holes have tested portions of the other seven zones in the KVS.

The majority of drill holes completed in 2015 were located along the Western BRX, Western Klaza and Central Klaza zones. This drilling targeted areas of known high-grade mineralization and was designed to infill around existing drill holes in order to provide data for up-dated resource calculations.

The diamond drill programs completed by Rockhaven since 2010 have successfully expanded zones of gold and silver mineralization identified by previous operators and discovered new zones elsewhere within the KVS. The various zones have a drill confirmed, cumulative mineralized strike length of more than nine kilometres.

Table 15 shows the drill confirmed strike length of each of the main zones, the maximum down-dip intercept depth in each zone and a highlight, gold-biased drill intercept from each of the zones.



ROCKHAVEN RESOURCES LTD.

FIGURE 21

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

DIAMOND DRILL HOLE LOCATIONS

KLAZA VEIN SYSTEM

UTM ZONE 8, NAD 83

0 300 600 900 m

File: 2016/Klaza/2016 Assessment | DATE: May 2016

Table 15: Data for Main Mineralized Zones – Klaza Vein System

Zone	Mineralized Strike Length (m)	Maximum Down-dip Drill Intercept (m)	Best Drill Intercept
Western Klaza	400	250	13.75 g/t gold and 357 g/t silver over 2.11 m (KL-12-115)
Central Klaza	800	325	7.20 g/t gold and 260 g/t silver over 15.30 m (KL-10-07)
Eastern Klaza	1,100	180	34.10 g/t gold and 47.5 g/t silver over 1.00 m (KL-12-68)
Western BRX	500	520	5.78 g/t gold and 111 g/t silver over 15.62 m (KL-12-96)
Central BRX	1,900	400	11.30 g/t gold and 233 g/t silver over 1.52 m (KL-12-114)
Pika	740	250	32.52 g/t gold and 34.3 g/t silver over 3.36 m (KL-10-06)
AEX	1650	310	9.03 g/t gold and 27.7 g/t silver over 1.00 m (KL-12-125)
BYG	650	310	6.29 g/t gold and 342 g/t silver over 1.43 m (KL-11-63)
Dickson	450	100	7.08 g/t gold and 127 g/t silver over 1.00 m (KL-12-86)
HERC	460	310	3.39 g/t gold and 205 g/t silver over 2.28 m (KL-12-95)
Chevron	250	90	3.97 g/t gold and 95.4 g/t silver over 1.26 m (KL-12-120)
Pearl	450	100	2.09 g/t gold and 5.68 g/t silver over 2.57 m (KL-14-234)

All of the mineralized zones listed above begin at surface and are open to expansion along strike and to depth.

Although significant drill intersections have been obtained from all of the nine main mineralized zones, the focus of the most exploration has been the BRX and Klaza zones. For the purposes of deposit modelling and mineral resource estimation, these zones have been subdivided as follows:

BRX – Central BRX, Western BRX and Eastern BRX; and,

Klaza – Central Klaza and Western Klaza (drill density within Eastern Klaza does not support modelling at this time).

The **BRX Zone** has been traced for approximately 2400 m along strike and been tested to a maximum depth of 520 m down-dip. Mineralization is associated with a laterally extensive northwest striking and moderately to steeply southwest dipping feldspar porphyry dyke. Veins occur on the margins of that dyke and, where the dyke bifurcates, the number of veins increases, which sometimes results in wider mineralized intervals.

The ***Central BRX Zone*** features veins and vein zones that are dominated by quartz, pyrite and iron-rich carbonates (ankerite and siderite). Pyrite, sphalerite and galena are the main sulphide

minerals, while arsenopyrite and sulphosalts are absent, or present in only minor quantities. Figure 22 shows a type section depicting the geometry of the mineralized veining relative to the dyke. The best intervals from the Central BRX Zone came from KL-14-197, which graded 6.76 g/t gold and 978 g/t silver over 0.73 m, and KL-11-29, which returned 3.29 g/t gold and 407 g/t silver over 3.00 m.

The ***Western BRX Zone*** consists of quartz veins and vein zones that contain pyrite, arsenopyrite, galena, sphalerite, chalcopyrite and sulphosalts. Carbonate gangue facies in these veins are manganiferous carbonates. Figure 23 illustrates the geometry of mineralization defining this zone. The two best intercepts in the Western BRX Zone were from holes, KL-12-96 and KL-14-238. KL-12-96 intersected two veins grading 25.1 g/t gold and 621 g/t silver over 2.32 m and 10.55 g/t gold and 92.7 g/t silver over 2.90 m. When composited together with adjoining samples, the broader interval averaged 5.78 g/t gold and 111 g/t silver over 15.62 m. KL-14-238 intersected multiple veins within an 18.5 m interval that averaged 2.19 g/t gold and 120 g/t silver. The best of the veins in that interval graded 16.29 g/t gold and 1435 g/t silver over 1.37 m. KL-14-238 intersected the zone 520 m down-dip from surface.

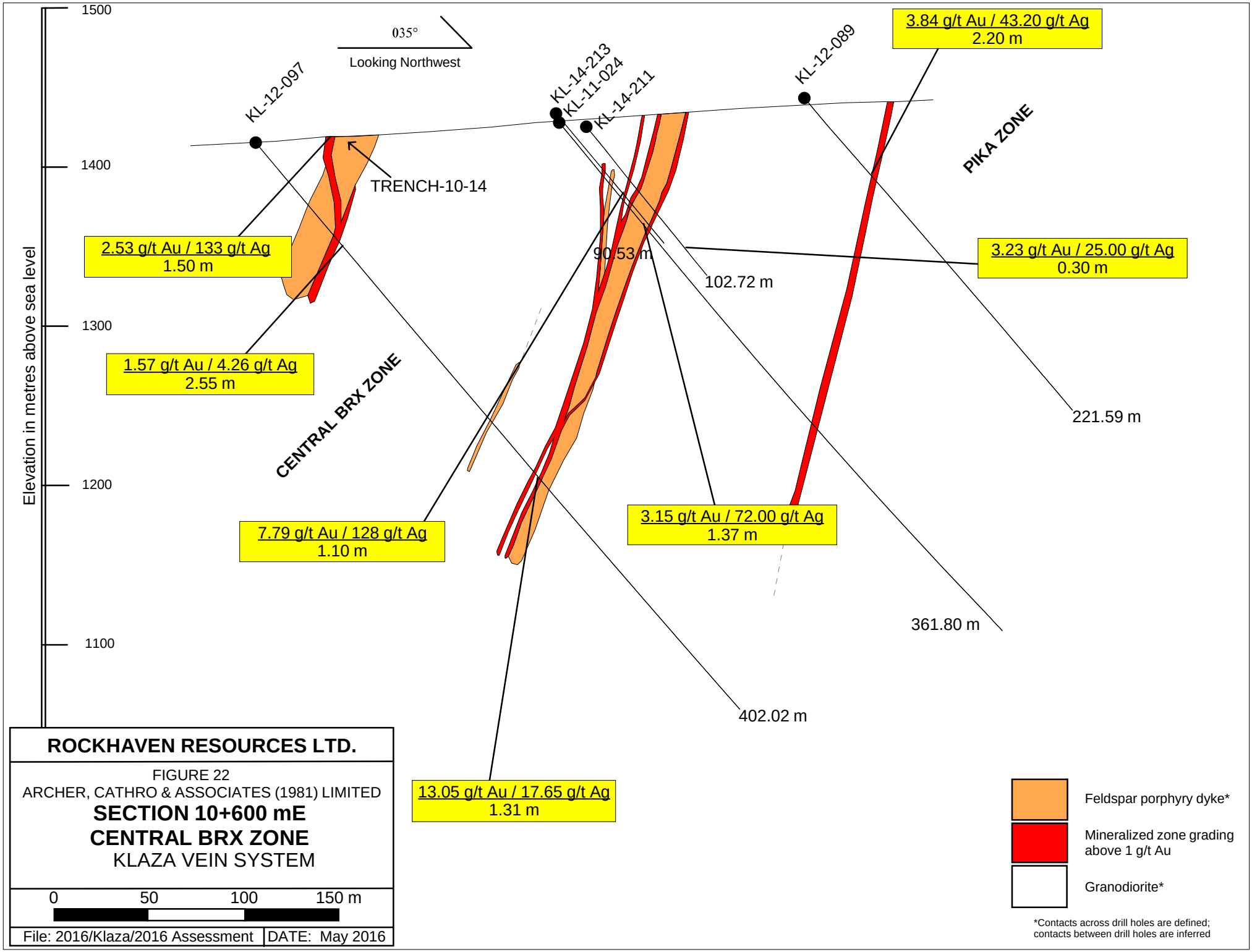
The mineralogical differences between the Western BRX and Central BRX zones suggest some degree of vertical off-set along a major cross-fault, separating the two segments of the zone.

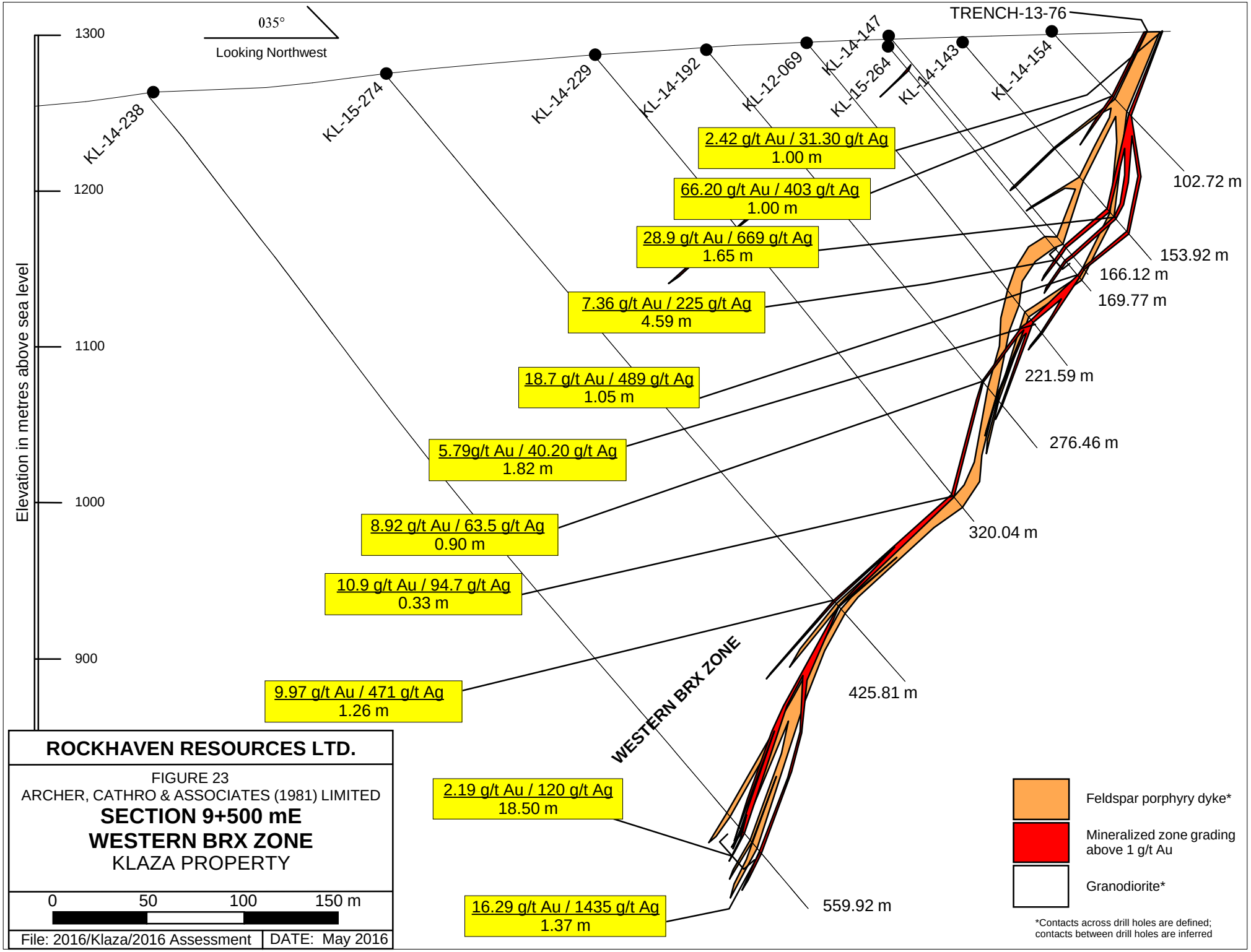
The **Klaza Zone** is located about 800 m northeast of the BRX Zone. The zone has been tested along section lines spaced approximately 50 m apart. The Klaza Zone has been subdivided into three sub-zones – Eastern Klaza Zone, Central Klaza Zone and Western Klaza Zone. Each sub-zone has a distinct style of mineralization that is believed to reflect their respective distances from the hydrothermal centre. The Central and Western Klaza zones are off-set by the same cross-fault that separates the corresponding sections of the BRX Zone.

The ***Eastern Klaza Zone*** (extending east from section KL 10+500) lies closest to the hydrothermal centre and is characterized by gold-silver bearing veins forming a broad, sheeted complex, possibly suitable for bulk mining methods. The mineral assemblages and precious metal contents in this area are distinguished from those of the Central Klaza Zone in two ways: 1) sulphide veins are dominated by pyrite with significantly less galena and arsenopyrite; and 2) the silver-to-gold ratios are lower. The best drill result from the Eastern Klaza Zone was from an interval in KL-12-121, which graded 1.43 g/t gold and 2.69 g/t silver over 18.03 m.

Mineralization in the ***Central Klaza Zone*** (east of section KL 9+900 m and west of section KL 10+500 m) is hosted within a laterally extensive complex of steeply dipping veins, breccias and sheeted veinlets, which are associated with a swarm of feldspar porphyry dykes. The strongest veins are typically found along dyke margins. Pyrite, arsenopyrite, galena and sphalerite are the main sulphide minerals in this sub-zone. Excellent results from this part of the Klaza Zone were reported from an interval in KL-10-07, which graded 7.20 g/t gold and 260 g/t silver over 15.30 m and an interval in KL-12-133, which graded 11.90 g/t gold and 5.23 g/t silver across 6.70 m.

The ***Western Klaza Zone*** is defined by two narrow high-grade silver-gold veins (extending west from section KL 9+900). Unlike other zones, these veins are not emplaced alongside a feldspar


1500
1400
1300
1200
1100
Elevation in metres above sea level
035°
Looking Northwest
KL-12-097
KL-14-213
KL-11-024
KL-14-211
KL-12-089
TRENCH-10-14
PIKA ZONE
CENTRAL BRX ZONE
3.84 g/t Au / 43.20 g/t Ag
2.20 m
2.53 g/t Au / 133 g/t Ag
1.50 m
3.23 g/t Au / 25.00 g/t Ag
0.30 m
1.57 g/t Au / 4.26 g/t Ag
2.55 m
7.79 g/t Au / 128 g/t Ag
1.10 m
3.15 g/t Au / 72.00 g/t Ag
1.37 m
13.05 g/t Au / 17.65 g/t Ag
1.31 m
90.53 m
102.72 m
221.59 m
361.80 m
402.02 m
ROCKHAVEN RESOURCES LTD.
FIGURE 22
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
SECTION 10+600 mE
CENTRAL BRX ZONE
KLAZA VEIN SYSTEM
0
50
100
150 m
File: 2016/Klaza/2016 Assessment
DATE: May 2016
Feldspar porphyry dyke*
Mineralized zone grading above 1 g/t Au
Granodiorite*
*Contacts across drill holes are defined; contacts between drill holes are inferred


035°
Looking Northwest
1300
1200
1100
1000
900
Elevation in metres above sea level
KL-14-238
KL-15-274
KL-14-229
KL-14-192
KL-12-069
KL-15-264
KL-14-147
KL-14-143
KL-14-154
TRENCH-13-76
2.42 g/t Au / 31.30 g/t Ag
1.00 m
66.20 g/t Au / 403 g/t Ag
1.00 m
28.9 g/t Au / 669 g/t Ag
1.65 m
7.36 g/t Au / 225 g/t Ag
4.59 m
18.7 g/t Au / 489 g/t Ag
1.05 m
5.79g/t Au / 40.20 g/t Ag
1.82 m
8.92 g/t Au / 63.5 g/t Ag
0.90 m
10.9 g/t Au / 94.7 g/t Ag
0.33 m
9.97 g/t Au / 471 g/t Ag
1.26 m
2.19 g/t Au / 120 g/t Ag
18.50 m
16.29 g/t Au / 1435 g/t Ag
1.37 m
WESTERN BRX ZONE
102.72 m
153.92 m
166.12 m
169.77 m
221.59 m
276.46 m
320.04 m
425.81 m
559.92 m
Feldspar porphyry dyke*
Mineralized zone grading above 1 g/t Au
Granodiorite*
*Contacts across drill holes are defined; contacts between drill holes are inferred
ROCKHAVEN RESOURCES LTD.
FIGURE 23
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
SECTION 9+500 mE
WESTERN BRX ZONE
KLAZA PROPERTY
0 50 100 150 m
File: 2016/Klaza/2016 Assessment
DATE: May 2016

porphyry dyke and they are not flanked by the type of sheeted veining seen elsewhere in the Klaza Zone. The mineral assemblages in the Western Klaza Zone contain higher proportions of arsenopyrite and sulphosalts than are common further east in the Klaza Zone, and silver to gold ratios are higher. Some of the best drill results from this area were cut in KL-12-115 and KL-14-220. KL-12-115 returned 4.51 g/t gold and 332 g/t silver across 7.12 m, including 13.75 g/t gold and 357 g/t silver across 2.11 m. An interval in KL-14-220 graded 15.38 g/t gold and 741 g/t silver across 1.46 m.

Lithology type sections for the Central Klaza and Western Klaza zones are shown on Figures 24 and 25, respectively.

The **BYG Zone** approximately parallels the Klaza Zone, 125 m to the south. It has been sub-devided into two parts, as described below.

The ***Central BYG Zone*** has been traced 650 m along strike and is associated with a series of siliceous, brown feldspar porphyry dykes. The best intercepts graded 4.57 g/t gold with 51.6 g/t silver across 3.97 m, 6.29 g/t gold with 342 g/t silver across 1.43 m and 5.51 g/t gold and 141 g/t silver across 2.95 m. The Central BYG Zone is slightly discordant to the Klaza Zone, and no work has been done along its eastern projection to determine if it coalesces with the Klaza Zone or cuts through it and continues to the east.

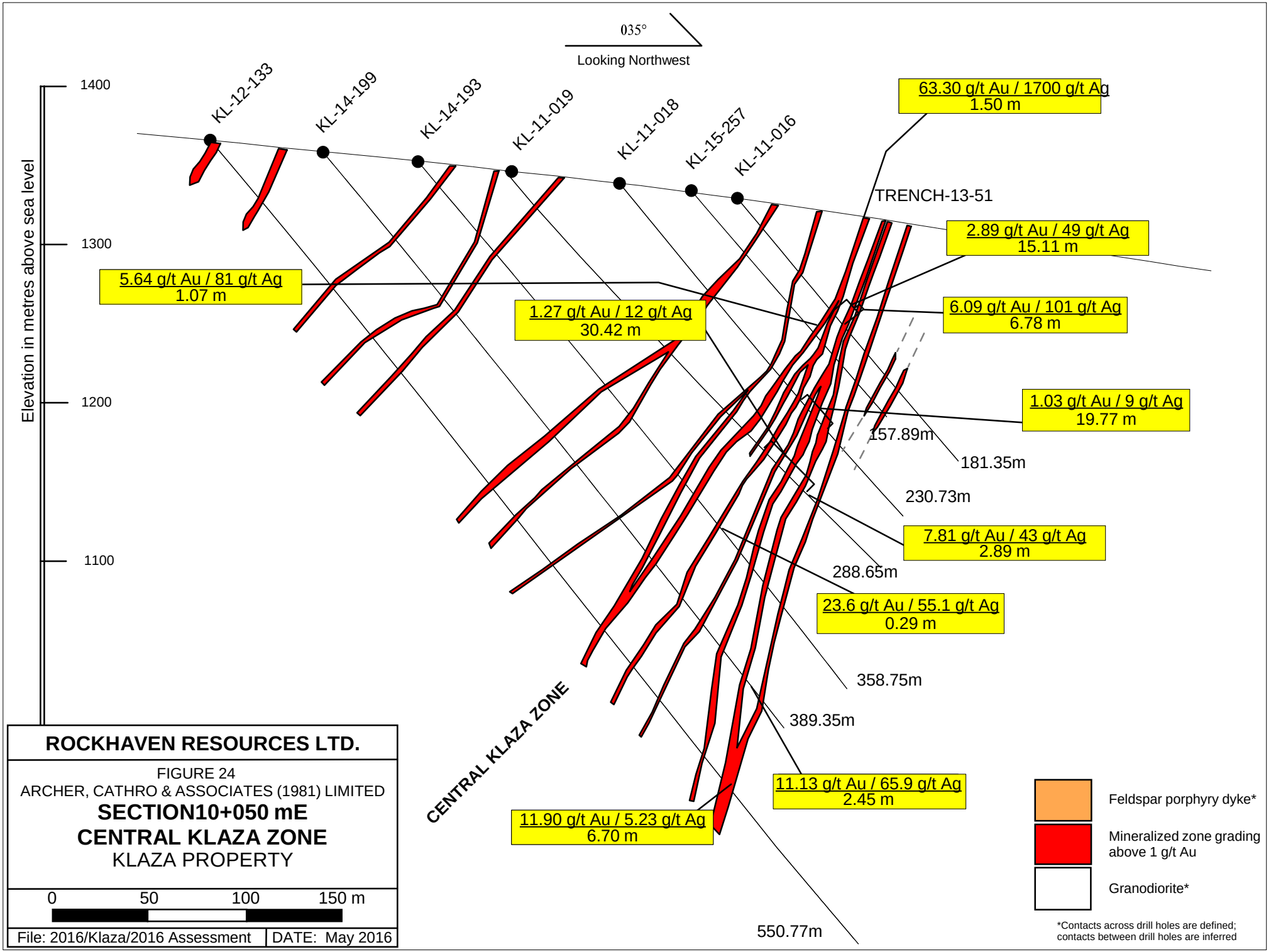
The ***Western BYG Zone*** was discovered in 2014 and parallels the Western Klaza Zone. The best intercept graded 11.22 g/t gold with 10.6 g/t silver over 1.68 m in hole KL-14-224.

The **Herc Zone** has only been tested by two diamond drill holes spaced 300 m apart. These holes were originally designed to intersect the Pika Zone, but were extended to reach the Herc Zone. Both holes cut vein-style mineralization, approximately 300 m downdip of trench exposures. The best result from drilling was an interval that graded 3.39 g/t gold and 205 g/t silver over 2.28 m.

The **Pika Zone** lies between the Herc Zone to the north and the BRX Zone to the south. It has demonstrated good continuity in widely-spaced drilling, over a strike length of 740 m and to a depth of 250 m. The best mineralization intersected came from an interval in KL-12-114, which graded 2.25 g/t gold and 40 g/t silver across 12.58 m, including sub-intervals of 9.55 g/t gold and 137 g/t silver over 1.00 m and 11.3 g/t gold and 233 g/t silver over 1.52 m.

The **AEX Zone** is located approximately 150 to 200 m south of the BRX Zone. It is one of the largest zones on the property with a drill indicated strike length of 1650 m. The best drill intercepts from the AEX Zone came from KL-12-091, which graded 9.03 g/t gold and 27.7 g/t silver over 1.00 m, and KL-15-248 which graded 26.9 g/t gold and 576 g/t silver over 0.42 m.

The **Dickson Zone** has been tested by eight holes in two areas located approximately 1500 m apart. These drilled areas lie within a single 3,000 m long, geophysical and multi-element soil geochemical anomaly. The deepest intercept of the Dickson Zone is 100 m down-dip of surface and returned 7.08 g/t gold and 127 g/t silver over 1.00 m. Additional drilling needs to be done between the two areas of mineralization to confirm continuity along the anomalous trend.



ROCKHAVEN RESOURCES LTD.

FIGURE 24

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

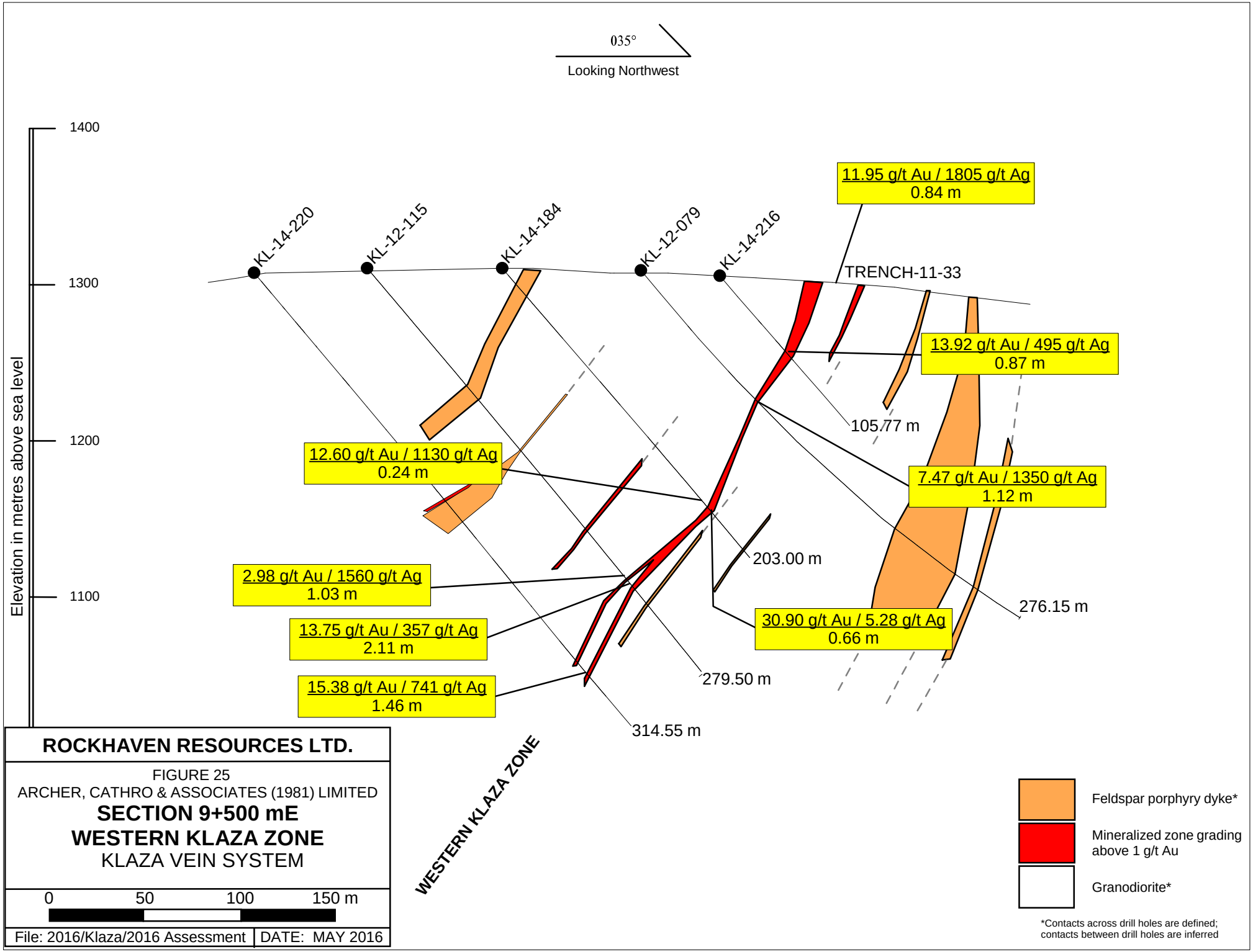
SECTION10+050 mE

CENTRAL KLAZA ZONE

KLAZA PROPERTY

0 50 100 150 m

File: 2016/Klaza/2016 Assessment | DATE: May 2016


035°
Looking Northwest
1400
1300
1200
1100
Elevation in metres above sea level
KL-14-220
KL-12-115
KL-14-184
KL-12-079
KL-14-216
TRENCH-11-33
11.95 g/t Au / 1805 g/t Ag
0.84 m
13.92 g/t Au / 495 g/t Ag
0.87 m
105.77 m
12.60 g/t Au / 1130 g/t Ag
0.24 m
7.47 g/t Au / 1350 g/t Ag
1.12 m
203.00 m
2.98 g/t Au / 1560 g/t Ag
1.03 m
276.15 m
13.75 g/t Au / 357 g/t Ag
2.11 m
30.90 g/t Au / 5.28 g/t Ag
0.66 m
279.50 m
15.38 g/t Au / 741 g/t Ag
1.46 m
314.55 m
WESTERN KLAZA ZONE
Feldspar porphyry dyke*
Mineralized zone grading above 1 g/t Au
Granodiorite*
*Contacts across drill holes are defined; contacts between drill holes are inferred
ROCKHAVEN RESOURCES LTD.
FIGURE 25
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
SECTION 9+500 mE
WESTERN KLAZA ZONE
KLAZA VEIN SYSTEM
0
50
100
150 m
File: 2016/Klaza/2016 Assessment
DATE: MAY 2016

The **Chevron Zone** hosts multiple vein structures that have only been tested by two diamond drill holes and one excavator trench over a 250 m strike length in the western part of the zone, and one trench 1600 m to the east. The best drill intercept returned 3.97 g/t gold and 95.4 g/t silver across 1.26 m.

Significant Drill Intersections from the 2010, 2011, 2012, 2014 and 2015 diamond drill programs are shown in Appendix VI. Histogram sections for the Western/Central BRX and Western/Central Klaza are included digitally.

Work Areas 3, 4 and 6

Small diamond drilling programs have taken place in Work Areas 3, 4, and 6. The most significant results are from the Sked/Desk claim group in Work Area 6, where hole Dows 6 intersected a section of quartz breccia, which averaged 2.43 g/t gold over 7.5 m, including 10.2 g/t gold over 1.5 m. The diamond drill programs conducted on Work Areas 3, 4 and 6 are summarized in the Exploration History Section of this report and are described in more detail in: Burrell, 2013a; Robinson, 1959; McClintock, 1986; Heberlein and Lyons, 1986; Langdon, 1992; and Stroshein, 2008.

PERCUSSION DRILLING

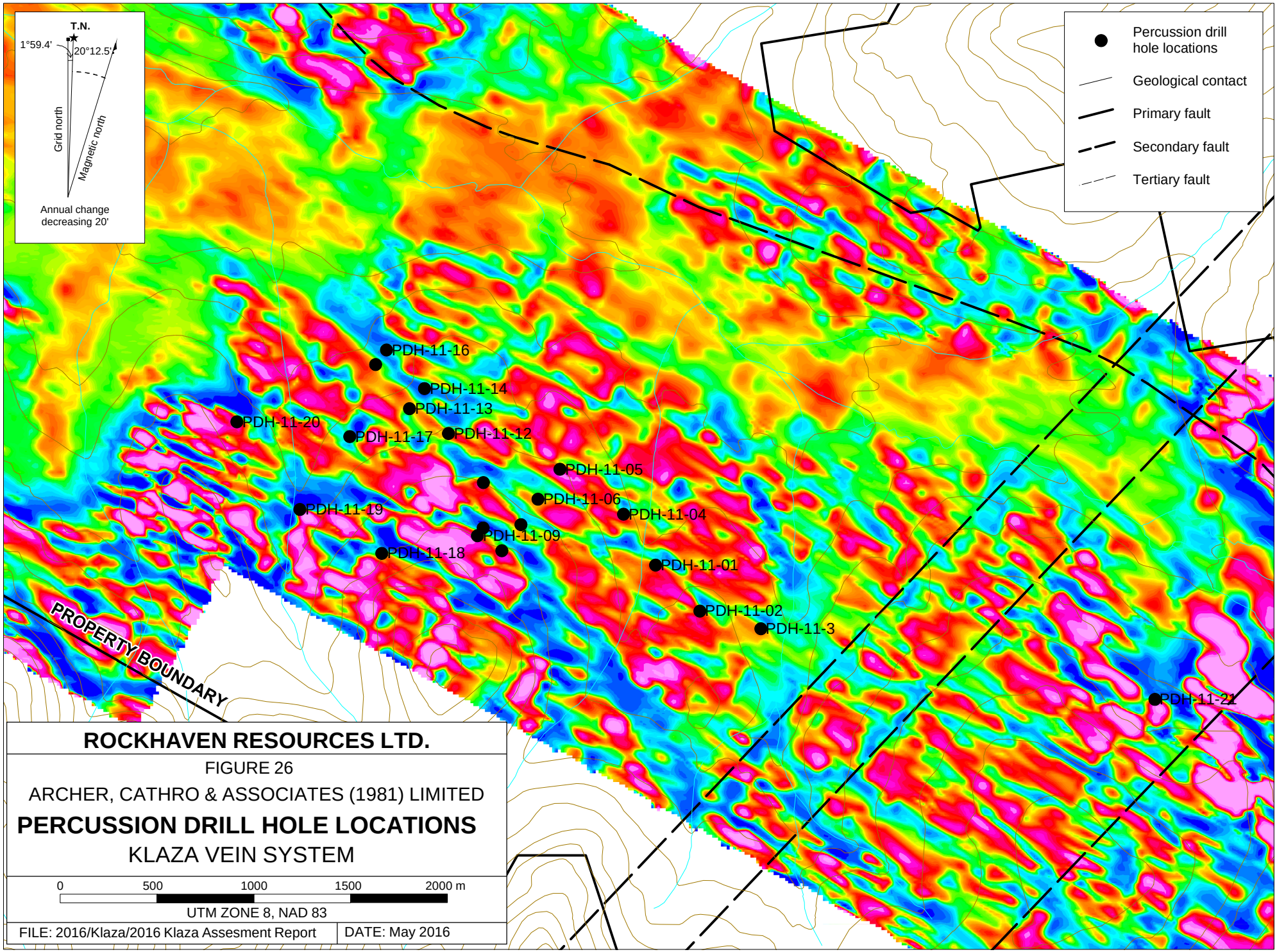
In 2011, 2940 m of reverse circulation percussion drilling was completed in 21 widely spaced holes. Most of this drilling tested across magnetic lows located in an overburden-covered area, along strike to the west of the KVS. Percussion drilling was completed by Midnight Sun Drilling Ltd. of Whitehorse, Yukon. This drilling was done using a track-mounted, diesel-powered reverse circulation percussion drill.

The locations of the percussion holes are shown on Figure 26 along with the first vertical derivative magnetic data. None of the percussion holes returned a significant intercept.

GEOTECHNICAL AND HYDROGEOLOGIC TESTING

In 2015, five groundwater monitoring wells (KL-15-289, KL-15-290 and KL-15-292 to KL-15-294) were installed in diamond drill holes, immediately adjacent to the current deposit areas by EBA Engineering Consultants Ltd (EBA Engineering) of Whitehorse. Also in 2015, vibrating wireline piezometers (VWP) were installed in four drill holes (KL-15-252 through KL-15-255) to monitor ground water levels and a thermistor was installed in another hole (KL-15-257) to monitor seasonal frost variations. Packer tests were conducted on the VWP holes in order to determine the hydraulic conductivity of the various rock units. A summary, compiled by EBA Engineering, of packer test data and analysis is included in Appendix VII.

A Reflex ACT III downhole digital core orientation system was used in 2014 and 2015 to orient the core in a total of 46 holes. In 2015, 18 of the 19 oriented holes were drilled using split tubes. The use of split tubes allowed orientation measurements to be collected across incompetent intervals or intervals with poor recovery. Split tube intervals were oriented by Archer Cathro employees at the drill sites. The core tube was first aligned by the driller's helper using the ACT



ROCKHAVEN RESOURCES LTD.

FIGURE 26

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

PERCUSSION DRILL HOLE LOCATIONS

KLAZA VEIN SYSTEM

0 500 1000 1500 2000 m

UTM ZONE 8, NAD 83

FILE: 2016/Klaza/2016 Klaza Assesment Report | DATE: May 2016

III tool before the split tube was extracted from the core tube. Care was taken to not shift the core during this process. A line representing the top of the hole was marked down the length of the core by the Archer Cathro employees. Structural orientation measurements within the interval were taken prior to the core being transferred to core boxes.

MINERAL PROCESSING AND METALLURGICAL TESTING

Preliminary mineralogical and metallurgical testwork has been conducted on samples from various parts of the KVS. Work has been primarily conducted by SGS Canada Ltd. (SGC) and has been overseen by Archer Cathro or Blue Coast Metallurgy Ltd. (Blue Coast). The two test programs have included quantitative mineralogical examination, gravity recovery, cyanide leaching and flotation testing.

In 2014, Rockhaven contracted SGS to conduct basic scoping flotation and leaching testwork on four, drill core composites: two from the Klaza Zone and two from the BRX Zone.

In 2015, Rockhaven contracted Blue Coast to conduct a more in-depth metallurgical testwork program on composites prepared from representative core samples from specific interval resource blocks within the Klaza and BRX zones. Figure 27 shows the location of drill holes that were used to create the 2015 composites.

Mineralogical information gleaned from a Quantitative Evaluation of Minerals by Scanning Electron Microscopy (QEMSCAN) study indicates that gold is present as discrete mineralization, both free and locked in sulphides, and in solid solution in arsenopyrite and pyrite. A Dynamic Secondary Ion Mass Spectrometry (D-SIMS) study found that sub-microscopic gold occurs at elevated grades in the arsenopyrite mineral lattice, suggesting arsenopyrite is the primary host of the refractory gold component. Silver appears to be mostly present as coarse-grained and well liberated tetrahedrite.

Gold recoveries by gravity ranged from 13 to 30% in testwork conducted down to 100 microns. The remaining discrete gold in these samples is either too fine for gravity recovery, or mostly associated with sulphides.

Preliminary cyanide leach tests on material from the area delineated by the current mineral resource yielded gold recoveries ranging from 20.7% to 59.6%. Silver extractions by cyanide ranged from 19.2% to 31.9%. Gold recovery from the Eastern Klaza Zone, which is not in the current mineral resource, was 78.4% and silver recovery was 27.1%.

Blue Coast conducted testwork in 2015 on numerous composites from the BRX and Klaza zones to evaluate for amenability to recover gold, silver and base metals via flotation, gravity concentration and leaching. Samples were received at the Blue Coast metallurgical testwork facility in Parksville, BC, between April and August 2015. The head assays for the composites tested are summarized in Table 16.

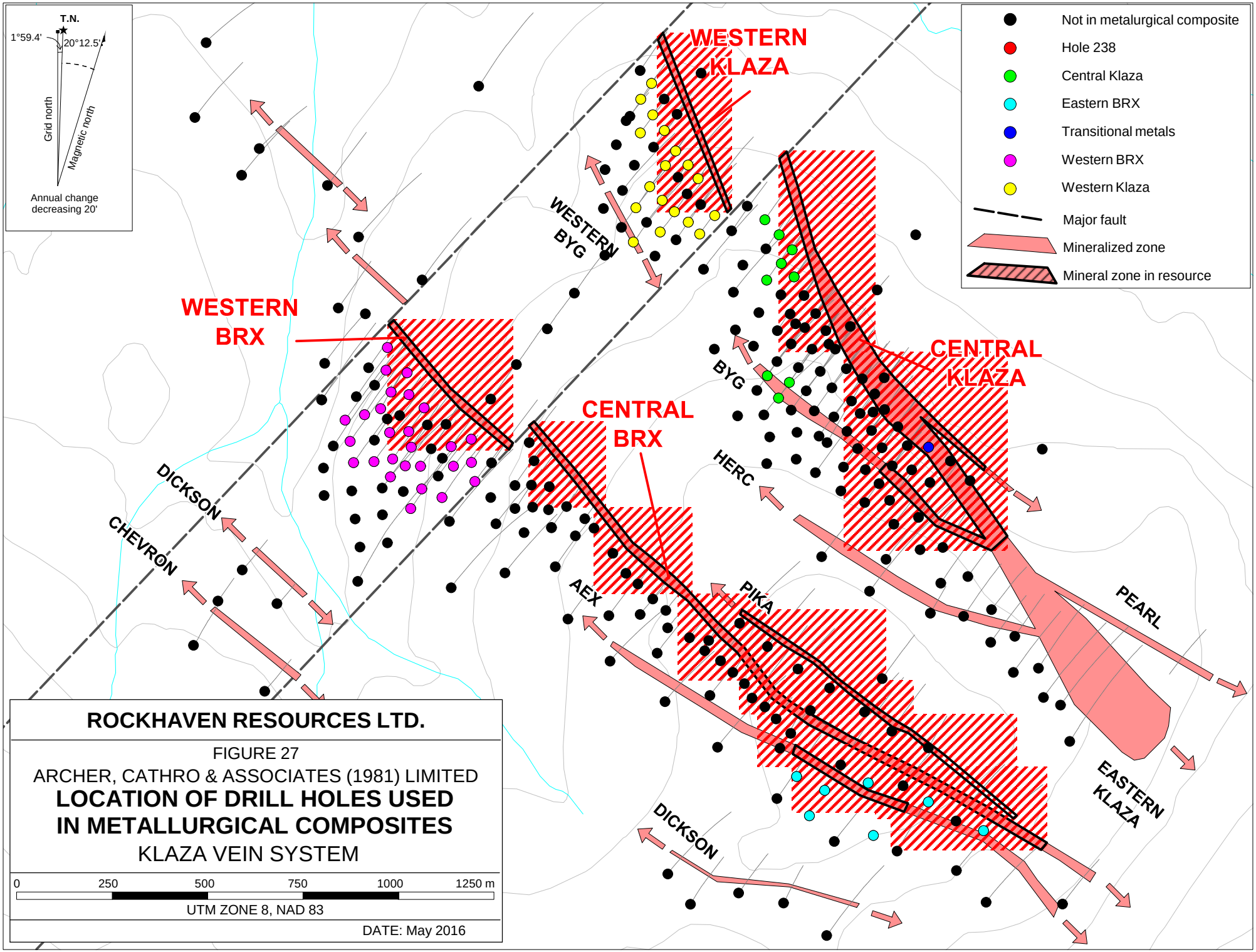

T.N.
1°59.4'
20°12.5'
Grid north
Magnetic north
Annual change
decreasing 20'
Not in metalurgical composite
Hole 238
Central Klaza
Eastern BRX
Transitional metals
Western BRX
Western Klaza
Major fault
Mineralized zone
Mineral zone in resource
WESTERN KLAZA
WESTERN BYG
WESTERN BRX
CENTRAL KLAZA
BYG
CENTRAL BRX
HERC
DICKSON
CHEVRON
AEX
PIKA
PEARL
EASTERN KLAZA
DICKSON
ROCKHAVEN RESOURCES LTD.
FIGURE 27
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
LOCATION OF DRILL HOLES USED IN METALLURGICAL COMPOSITES
KLAZA VEIN SYSTEM
0 250 500 750 1000 1250 m
UTM ZONE 8, NAD 83
DATE: May 2016

Table 16: Composite Head Assays

Composite	Pb (%)	Zn (%)	Au (g/t)	Ag (g/t)	As (%)
Western BRX	0.98	1.16	6.27	97	1.11
Western Klaza	0.67	0.94	5.56	262	0.88
Central Klaza	0.80	1.52	4.84	70	1.00
Project Wide	**0.79**	**1.28**	**5.35**	**111**	**1.00**
Eastern BRX	0.20	0.21	4.00	51	0.09
Central Klaza Transitional	0.28	1.91	4.69	31	0.06

A differential lead and zinc flotation flowsheet was developed and tested in locked-cycle mode on a Project Wide Composite ("PWC") comprising material from the Central Klaza, Western Klaza and Western BRX zones. Saleable quality lead and zinc concentrates were produced at respectable metal recoveries with significant gold and silver tenors in the lead concentrate, further increasing the value of this concentrate. A selective arsenopyrite float was conducted on the zinc rougher flotation tails in order to produce a gold-bearing arsenopyrite concentrate that would be a candidate for pressure oxidation ("POX") followed by cyanide leaching for further gold recovery, either onsite or at a third party processing facility. The results of the optimum locked cycle test ("LCT") are summarized in Table 17.

Table 17: Metallurgical Performance from Locked Cycle Testing of Project Wide Composite

Product	Assays						
	Pb (%)	Zn (%)	Fe (%)	Ag (g/t)	Au (g/t)	As (%)	S (%)
Lead Cleaner 3 Conc	**59.8**	**3.1**	**9.3**	**5,957**	**129.9**	**3.6**	**19.4**
Zinc Cleaner 2 Conc	**2.0**	**48.0**	**9.0**	**1,318**	**13.5**	**1.0**	**30.7**
AsPy Conc	**0.3**	**1.0**	**35.0**	**73**	**30.7**	**6.7**	**33.4**
Rougher Tail	0.04	0.04	2.4	4	0.27	0.05	0.9
Feed	**0.8**	**1.3**	**6.5**	**110**	**5.73**	**0.9**	**5.7**

Product	Weight		% Distribution						
	g	%	Pb	Zn	Fe	Ag	Au	As	S
Lead Cleaner 3 Conc	**46**	**1.1**	**85**	**3**	**2**	**62**	**26**	**4**	**4**
Zinc Cleaner 2 Conc	**89**	**2.2**	**6**	**85**	**3**	**27**	**5**	**2**	**12**
AsPy Conc	**485**	**12.1**	**5**	**10**	**65**	**8**	**65**	**88**	**71**
Rougher Tail	**3389**	**84.5**	4	3	31	3	4	5	13
Feed	**4009**	**100**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**

Based on the testwork conducted, overall gold and silver recoveries from the PWC were determined to be ~96% for gold and ~91% for silver assuming the differential flotation flowsheet, POX-CIL on the arsenopyrite concentrate and CIL on the flotation rougher tailings. A breakdown of expected gold and silver recovery by unit operation is shown below in Table 18.

Table 18: Projected Metallurgical Performance

Product/Process	Gold Recovery (%)	Silver Recovery (%)	Lead Recovery (%)	Zinc Recovery (%)
Lead Concentrate	26	62	85	-
Zinc Concentrate	5	27	-	85
AsPy Concentrate after POX-CIL	64	-	-	-
Flotation Tails CIL	2	2	-	-
Total	**96**	**91**	**85**	**85**

Batch testwork data suggests that similar flotation performance can be expected from the Western Klaza, Central Klaza and Western BRX Composites using the optimized PWC/LCT flowsheet, with only minor adjustments in reagent dosages, as optimized for the Project Wide Composite. Flotation results of variability tests conducted for the Central Klaza, Western Klaza and Western BRX zones are summarized in Table 19.

Table 19: Variability Composite Flotation Results

Composite	Test	Product	Recovery (%)				Grade			
			Gold	Silver	Lead	Zinc	Gold (g/t)	Silver (g/t)	Lead (%)	Zinc (%)
Central Klaza Zone	F-64	Lead Conc.	17	47	81	2	85	3071	62	3
		Zinc Conc.	6	31	5	89	11	739	1.3	51
		AsPy Conc.	68	11	5	2	27	56	0.3	0.2
Western Klaza Zone	F-65	Lead Conc.	16	52	69	2	141	19545	62	2.4
		Zinc Conc.	3	30	5	74	12	5640	2.4	51
		AsPy Conc.	72	8	10	6	37	167	0.5	0.5
Western BRX Zone	F-60	Lead Conc.	33	60	83	2	191	4635	66	2.2
		Zinc Conc.	6	20	3	76	22	1062	1.9	52
		AsPy Conc.	49	8	4	10	30	68	0.3	1.0

Bond Ball and Rod Work Index testing in conjunction with SMC testing suggests that KVS material is of medium hardness with respect to energy required for comminution.

Limited flotation testwork has been conducted on the Eastern BRX Zone, with only a single open-cycle cleaner test conducted. Elevated copper grades in this area led to production of a bulk copper/lead cleaner concentrate grading 9% lead, 19% copper, 271 g/t gold and 3443 g/t silver, with recoveries of 60%, 41%, 51% and 59%, respectively. Recoveries to the zinc concentrate were 84% for zinc, 8% for gold and 14% for silver, with a zinc concentrate grade of 28%. The arsenopyrite rougher stage recovered 29% of the overall gold and 13% of the silver. Overall recoveries of gold and silver to concentrates were 87% and 85%, respectively. These test conditions were unoptimized, and further follow-up work would be necessary to determine optimal process conditions for Eastern BRX material. This testwork would include development of a process to separate copper from lead with the aim of creating two separate saleable products.

Further details pertaining to the 2015 metallurgical testwork can be found in the technical report entitled “Updated Diamond Drilling, Metallurgical Testing, and Mineral Resources” prepared by A.A. Ross, Ph.D., P.Geo of AMC Mining Consultants (Canada) Ltd., C.J. Martin, C.Eng., of

Blue Coast Metallurgy Ltd., and M.R. Dumala, P.Eng of Archer, Cathro & Associates (1981) Limited.

MINERAL RESOURCE ESTIMATION

The 2015 inferred mineral resource for the western and central portions of the Klaza Zone and all three portions of the BRX Zone total 9,421,000 t grading 4.48 g/t gold, 89.02 g/t silver, 0.75% lead, and 0.95% zinc. This mineral resource includes pit-constrained resources stated above a 1.3 g/t gold equivalent (EQ) cut-off and underground resources stated above a 2.75 g/t gold EQ cut-off. A summary of inferred mineral resources as of December 9, 2015 is shown in Table 20, and a breakdown by mineralized zones is given in Table 21 and Table 22. The mineral resource estimation was completed by Adrienne Ross, P. Geo (of AMC Mining Consultants Ltd.) who is a Qualified Person (QP) and independent of Rockhaven, based on the criteria defined by National Instrument 43-101.

Table 20: Inferred Resource in Pit-Constrained and Underground

	Tonnes (kt)	**Grade**				
		Au (g/t)	**Ag (g/t)**	**Pb (%)**	**Zn (%)**	**Au EQ (g/t)**
Pit-Constrained	2,366	5.12	95	0.93	1.18	6.71
Underground	7,054	4.27	87	0.69	0.88	5.65
Total	**9,421**	**4.48**	**89**	**0.75**	**0.95**	**5.92**
	Tonnes (kt)	**Contained Metal**				
		Au (koz)	**Ag (koz)**	**Pb (klb)**	**Zn (klb)**	**Au EQ(koz)**
Pit-Constrained	2,366	389	389	389	389	389
Underground	7,054	969	969	969	969	969
Total	**9,421**	**1,358**	**1,358**	**1,358**	**1,358**	**1,358**

Table 21: Inferred Mineral Resources (grade) as of December 9, 2015 by Zone

Zone	PC/UG	Tonnes (kt)	Au (g/t)	Ag (g/t)	Pb (%)	Zn (%)	AuEQ (g/t)
Western BRX	Pit-Constrained	554	8.21	110	1.03	1.03	9.99
	Underground	814	7.87	147	1.49	1.68	10.34
	Total	**1,368**	**8.01**	**132**	**1.31**	**1.42**	**10.20**
Central BRX	Pit-Constrained	283	3.67	192	1.34	1.39	6.57
	Underground	1,027	2.65	152	1.26	1.39	5.05
	Total	**1,311**	**2.87**	**161**	**1.28**	**1.39**	**5.38**
Eastern BRX	Pit-Constrained	193	4.42	90	0.21	0.42	5.62
	Underground	2,213	4.07	50	0.21	0.29	4.77
	Total	**2,406**	**4.10**	**53**	**0.21**	**0.30**	**4.84**
Western Klaza	Pit-Constrained	81	6.86	288	1.01	0.98	10.72
	Underground	461	5.41	182	0.58	0.87	7.88
	Total	**542**	**5.62**	**198**	**0.64**	**0.88**	**8.30**
Central Klaza	Pit-Constrained	1,255	4.07	54	0.89	1.33	5.20
	Underground	2,539	3.74	57	0.64	0.92	4.76
	Total	**3,794**	**3.85**	**56**	**0.72**	**1.06**	**4.91**

Table 22: Inferred Mineral Resources (tonnage) as of December 9, 2015 by Zone

Zone	PC/UG	Au (koz)	Ag (koz)	Pb (klb)	Zn (klb)	AuEQ (koz)
Western BRX	Pit-Constrained	146	1,960	12,608	12,557	178
	Underground	206	3,853	26,764	30,194	271
	Total	**352**	**5,813**	**39,372**	**42,750**	**448**
Central BRX	Pit-Constrained	33	1,752	8,361	8,693	60
	Underground	87	5,019	28,561	31,506	167
	Total	**121**	**6,771**	**36,922**	**40,198**	**227**
Eastern BRX	Pit-Constrained	27	559	908	1,798	35
	Underground	289	3,568	10,296	14,230	340
	Total	**317**	**4,127**	**11,203**	**16,028**	**374**
Western Klaza	Pit-Constrained	18	752	1,803	1,748	28
	Underground	80	2,703	5,879	8,820	117
	Total	**98**	**3,455**	**7,682**	**10,567**	**145**
Central Klaza	Pit-Constrained	164	2,168	24,578	36,680	210
	Underground	305	4,628	35,661	51,668	389
	Total	**470**	**6,796**	**60,239**	**88,347**	**599**

CIM definition standards were used for the Mineral Resource.
Using drilling results to September 30, 2015.
Near surface Mineral Resources are constrained by an optimized pit shell at a gold price of US$1300 oz.
Cut-off grades applied to the pit-constrained and underground Resources are 1.3 g/t Au EQ and 2.75 g/t Au EQ respectively.
Gold equivalent values were calculated using the following formula: Au EQ=Au+Ag/85+Pb/3.74+Zn/5.04 and assuming: US$1300 oz Au, US$20 oz Ag, US$0.90 lb Pb and US$0.90 lb Zn with recoveries for each metal of Au: 96%, Ag: 91%, Pb: 85% and Zn: 85%.

Numbers may not add due to rounding.
All metal prices are quoted in US$ at an exchange rate of $0.80 US to $1.00 Canadian.
Mineral Resources that are not Mineral Reserves do not have demonstrated economic viability.
Source: AMC Mining Consultants (Canada) Ltd.

Drill holes were "passed through" geologic solids with the entry and exit points recorded. Using this information, the assays were "back tagged" with different codes, representing which solid they were within. The mineral resource estimate was completed using 248 drill holes totaling 58,955 m and 23,890 assays.

Seventy-two (72) mineralized domains were constructed by Archer Cathro to constrain the estimate. As much as possible, high-grade solids were built to capture only vein mineralization. The large number of mineralization domains reflects a strategy of subdividing the veins on either side of the porphyry unit and minimizing splays in a domain that can hinder the estimation process. The number of mineralization domains varied between the five zones.

The estimations were carried out using Datamine software, with Ordinary Kriging ("OK") employed as the interpolation method. A 3D block model with sub-celling was used. The search parameters chosen for the estimations were based on the drill spacing and variography. Data density allowed for only inferred resources to be classified.

AMC selected a compositing interval of 1 m, which is the most common sample length in the database. The second-most common sample length is 3 m. As a result of this the median sample length is 1.5 m. In some cases compositing increased the number of samples in a domain. This length also gave the appropriate selectivity for the narrow-vein style of this mineralization. To allow for similar sample support, residual compositing intervals <0.4 m in length were discarded.

For this mineral resource estimate the mineralized portions of the block model were assigned a density based on the combined estimated grades of lead, zinc, copper and iron and the regression equations shown above. Barren rock, for the purpose of delineating a pit-constrained resource, was assigned a valued of 2.80 g/cc, which is the average measured density of the granodiorite. Note that density measurements ignore the potential impact of pore space. As the rock is generally competent rock that contains minimal voids, the density measurements are considered to be a good approximation of bulk density.

A detailed description of the methodology used to calculate the current mineral resource can be found in the technical report entitled "Updated Diamond Drilling, Metallurgical Testing, and Mineral Resources" prepared by A.A. Ross, Ph.D., P.Geo of AMC Mining Consultants (Canada) Ltd., C.J. Martin, C.Eng., of Blue Coast Metallurgy Ltd., and M.R. Dumala, P.Eng of Archer, Cathro & Associates (1981) Limited.

DISCUSSION AND CONCLUSIONS

The Property is situated in an active placer gold mining camp and historical hardrock gold and silver mining district, which lie within the southern portion of the Dawson Range Gold Belt. Other important areas within this belt include the prolific Klondike Goldfields, the Casino

porphyry copper-gold-molybdenum deposit and the recently discovered Coffee and Whitegold gold deposits.

Work Area 2 of the Property hosts a significant gold-silver deposit within a 100% owned road-accessible claim block. The current mineral resource is defined within the BRX and Klaza zones, which are two of nine main mineralized structures identified to date within the KVS.

Although mineralization in the KVS appears to be quite complex, the continuity of the BRX and Klaza zones is remarkably planar and cohesive, both laterally and vertically. Gold and silver distribution varies throughout the KVS, with the highest values for both metals mostly clustered within the western parts of the BRX and Klaza zones.

Mineralogical and metallurgical work on samples of sulphide material taken from the various sub-zones comprising the mineral resource has shown that gold occurs in multiple forms: as discrete (free) grains, as electrum, and as refractory gold predominantly in arsenopyrite. Silver occurs primarily as tetrahedrite, but is also found as electrum and other silver sulphide compounds. Base metal mineralogy appears to be straightforward, and is dominated by galena, sphalerite and chalcopyrite.

Metallurgical work completed to date includes conventional gravity separation, cyanide leaching and flotation tests. Flotation work has focused on producing lead, zinc and gold-rich bulk sulphide concentrates through sequential flotation. Locked-cycle tests have yielded promising recoveries and grades. Overall projected recoveries to saleable products based on locked-cycle testing are 96% for gold, 91% for silver, 85% for lead and 85% for zinc.

Variability work completed suggests that mineralization from the central and western portions of the Klaza and BRX zones responds similarly and is represented well by the Project Wide Composite. Minimal test work has been conducted on the Eastern BRX Zone, and follow-up work is necessary to evaluate performance of the existing flowsheet on material from that portion of the mineral resource.

KVS shares a number of key similarities with Carbonate Base-Metal Gold (CBM)-style deposits, renown for hosting multi-million ounce gold resources, such as Barrick Gold's Porgera Mine (Papua New Guinea), Rio Tinto's formerly producing Kelian Mine (Indonesia) and Continental Gold's Buritica project (Colombia).

KVS and known CBM deposits feature multiple precious metal-rich structures that are formed peripheral to mineralized porphyry systems. The presence of carbon dioxide gas within the mineralizing hydrothermal fluids is a key factor in facilitating precious metal deposition over large vertical extents, often in excess of one kilometre. Lead, zinc and copper are also common in this type of deposit.

The current mineral resource and unquantified mineralized zones elsewhere in the KVS are open for expansion along strike and to depth. The mineralized system is known to have a vertical extent of at least 520 m down-dip, and this could reasonably expand because most CBM deposits are mineralized in a vertical range exceeding 1,000 m. There is excellent potential to

significantly increase the current mineral resource through continued low-cost drilling. In addition, many geochemical and geophysical anomalies, outside of those associated with the known mineralized structures, have yet to be explored.

Ongoing exploration at the KVS has largely been directed by geochemical and geophysical results. Multi-element soil geochemical anomalies mark the known mineralized zones, and similar, mostly untested anomalies have been identified along strike and parallel to the known zones. Hydrothermal fluids that flowed through the mineralized structures have: locally destroyed magnetite in the host rocks; precipitated sulphide minerals in fractures, veins and breccias; and, altered some minerals comprising wallrocks in and around the zones. Magnetic susceptibility measurements of drill core confirm that the mineralized zones are considerably less magnetic than the surrounding, unaltered granodiorite, and helicopter-borne surveys have outlined magnetic lows along the known zones. There are numerous untested linear magnetic lows within and adjacent to the KVS, which parallel the orientation of the known structural zones. Results of ground-based VLF-EM surveys generally support the magnetic data. An induced polarization survey completed in 2006 identified a broad area of high chargeability on the western edge of the Kelly Zone, which is only partially tested by drilling and trenching. This anomaly is open to the south and east onto recently acquired ground. The 2006 IP survey also identified narrow linear chargeability highs and resistibility lows also along some of the mineralized structural zones in the KVS. A second, tighter array induced polarization survey was done in 2013 across the central parts of the Klaza and BRX zones and showed that broad chargeability highs and resistivity lows mark those zones and flanking subsidiary structures. Untested soil geochemical and geophysical anomalies are considered priority targets for future exploration. A ground-based VLF-EM survey completed in 2014 outlined many new and untested anomalies in and around the KVS.

The geophysical surveys have also been successful in outlining cross-faults, which offset mineralization. The sense of movement along these faults is poorly understood, and analysis of the geophysical data has led to a number of hypotheses in regards to displacement of the mineralized zones. Determining the exact orientations and probable offsets of these cross-faults should be a priority for future work programs.

Continued drilling and metallurgical work should be done on mineralization on the eastern side of the mineral resource area (Eastern BRX and Eastern Klaza zones) in order to integrate this mineralization into mineral resource estimates, mine plans and process flow sheets.

Additional drilling at the KVS should include holes designed to extend the bounds of the current mineral resource to greater depths. These holes should be considered high priority, specifically within the western portions of the BRX and Klaza zones, because the tenor of mineralization in the deepest holes is well above the deposit average grades and there are no indications that mineralization is waning at depth. Both these areas have much higher grades than are typically found in the central portions of the BRX and Klaza zones, and the mineral resource estimates for these areas are the least affected by cut-off grade sensitivity.

Northwesterly extensions of the BRX and Klaza zones are inferred by multi-element grid soil geochemical anomalies, linear magnetic low and very low frequency electromagnetic (VLF-EM)

conductors. A series of widely spaced holes that attempted to trace the Western BRX Zone further to the northwest across a major cross-fault intersected vein zones, but it is unclear whether these zones are part of the BRX structure. More drilling is certainly warranted northwest of the cross-fault to assess potential along strike of the BRX, Klaza and other mineralized zones.

Further deposit studies are recommended and should include fluid inclusion analyses to verify the deposit model classification. An in-depth analysis of metal and associated element ratios within the mineralized zones should also be done in order to establish vertical and lateral vectoring tools for continued deposit expansion and discovery of new mineralization elsewhere on the Property.

Only limited exploration has been done on the Property, outside the KVS. Local geochemical and geophysical surveys have produced positive results in some areas (the Desk, Dade, Val and BBB claims), but more systematic, property-wide surveys should be conducted before additional trenching and drilling are done in the areas. Specific recommendations for targets outside of the KVS include in induced polarization survey across the Kelly Zone and a helicopter-borne magnetic and radiometric survey in the area of the Desk/Sked claims.

Respectfully submitted,

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

J. Tarswell, B.Sc., P.Geo.

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APPENDIX I

STATEMENTS OF QUALIFICATIONS

STATEMENT OF QUALIFICATIONS

I, Jared Tarswell, geologist, with business addresses in Whitehorse, Yukon Territory and Vancouver, British Columbia and residential address in Vancouver, British Columbia, hereby certify that:

1. I graduated from the University of British Columbia in 2009 with a B.Sc. majoring in Earth and Environmental Sciences.

2. I registered as a Professional Geoscientist with the Association of Professional Engineers and Geoscientists of British Columbia on November 10, 2015 (License Number 42817).

2. From 2010 to present, I have been actively engaged as a geologist in mineral exploration in Yukon Territory

3. I have personally participated in or supervised the field work reported herein and have interpreted all data resulting from this work.

J. Tarswell, B.Sc., P.Geo.

STATEMENT OF QUALIFICATIONS

I, Derek Walsh, geologist, with business addresses in Whitehorse, Yukon Territory and Vancouver, British Columbia and residential address in Surrey, British Columbia, hereby certify that:

1. I graduated from the Simon Fraser University in 2013 with a B.Sc. majoring in Earth Sciences.

2. From 2011 to present, I have been actively engaged as a geologist in mineral exploration in British Columbia and Yukon Territory.

3. I have personally participated in or supervised the field work reported herein and have interpreted all data resulting from this work.

D. Walsh, B.Sc., GIT

STATEMENT OF QUALIFICATIONS

I, Teresa Cruz, geologist, with business addresses in Whitehorse, Yukon Territory and Vancouver, British Columbia and residential address in Vancouver, British Columbia, hereby certify that:

1. I graduated from the Simon Fraser University in 2013 with a B.Sc. majoring in Earth Sciences.

2. From 2011 to present, I have been actively engaged as a geologist in mineral exploration in British Columbia and Yukon Territory.

3. I have personally participated in or supervised the field work reported herein and have interpreted all data resulting from this work.

T. Cruz, B.Sc., GIT

APPENDIX II

STATEMENT OF EXPENDITURES

Statement of Expenditures
1,317 Klaza Property Mineral Claims
September 29, 2015

Contract Diamond Drilling

Platinum Diamond Drilling Inc.	$1,137,333.42

Total drilling13,737.57 m = $82.79/m

APPENDIX III

SAMPLE HANDLING AND ANALYTICAL PROCEDURES

SAMPLING METHODS AND APPROACH

Soil Sampling

Soil samples collected in 1986 and 1998 were taken from a 1,400 by 2,500 m northwest trending grid that covers most of the southeastern part of the Property. Soil samples were collected at 50 m intervals on lines spaced 100 m apart using two northwest trending base lines for grid control. The base lines are approximately 800 m apart and marked at 50 m intervals with one metre high wooden lath, while the sample sites on cross lines were marked with 0.5 m lath. All lath bear aluminum tags inscribed with the grid coordinates and sample numbers. The grids were established with hip-chain and compass, but later survey control was provided by hard-chain and transit. The soil samples were taken 20 to 50 cm below surface from B horizon material. They were placed in pre-numbered heavy gauge paper bags. A total of 1,405 soil samples were collected in 1986 and 776 in 1998.

Soil samples collected in 2010 and 2011 extended sample coverage to the west and north of the earlier grids, while 2012 sampling was mostly done in the southeast corner of the Property. The samples were taken using soil augers, between 30 cm and 130 cm below surface. Soil samples were collected at 50 m intervals along lines spaced between 100 to 200 m apart. Sample sites are marked by aluminum tags inscribed with the sample numbers and affixed to 0.5 m wooden lath that were driven into the ground. Soil samples were placed into individually pre-numbered Kraft paper bags. All soil sample locations were recorded using hand-held GPS units. Sampling was often hindered by permafrost on moss-covered, north-facing slopes. Samples were not collected from some of these locations due to poor sample quality.

Trenching

Chip samples were collected from bulldozer and excavator trenches in several parts of the Property during programs conducted between 1986 and 1989 and from 2010 to 2015. Bedrock exposed in trenches was sampled on a continuous basis.

Continuous chip samples were collected from bulldozer and excavator trenches in several parts of the Property during programs conducted between 1986 and 1989 and from 2010 to 2015. The collection protocol for channel samples was as follows:

1) Trenches were excavated.
2) The walls of trenches were cleaned, where necessary, with a shovel.
3) Trenches were mapped and sample intervals marked at geological breaks or at 1 to 10 m intervals depending on the intensity of alteration and mineralization.
4) Continuous chip samples were collected along one wall of the trench as close to the floor of the trench as slumping would allow using a geological hammer. The chips were collected either in a tub or on a sample sheet. Sample sizes averaged approximately two kilograms per linear metre sampled for intervals containing veins and about 7 kg per sample for intervals comprised primarily of altered wallrock.

5) Samples were placed in doubled 6 mm plastic bags along with a pre-numbered sample tag, then two or three samples were placed in a fiberglass bag sealed with a metal clasp and sample numbers were written on the outside of that bag with permanent felt pen.
6) In 2011 to 2014, one blank and one standard samples were randomly inserted into every batch. No quality control samples were inserted into batches in 2010.
7) In 2013, samples collected from trenches within the core of the BRX and Klaza Zones were divided into batches comprising 31 trench samples plus one blank sample, one assay standard and one coarse reject duplicate sample.

Diamond Drilling

Geotechnical and geological logging was performed on all drill core from the 2010 to 2015 programs. A geotechnical log was filled out prior to geological logging of drill core and included the conversion of drill marker blocks from imperial to metric plus determinations of core, rock quality designations (RQD), hardness and weathering. Wetted core photographs were taken and catalogued prior to logging. Magnetic susceptibility measurements were taken at one metre intervals along core from each hole.

Geological logging involved designating general and detailed intervals, based on lithologic breaks or significant chemical differences. Sample intervals were created after geological logging, for specific sampling between lithologic boundaries and mineralized zones.

All 2010-2014 logging data was recorded as a hardcopy during the day and transcribed to digital format during the evenings. Beginning in 2015, logging data entered directly into the company database.

During the 2010 to 2012 programs, core recovery was good, averaging 97%. The holes from these programs were mostly sampled top to bottom (about 99% of core was sampled). In 2014, core recoveries averaged approximately 94%, excluding the near surface portions of the holes where core recovery was poor. Only vein zones and associated peripheral alteration were sampled in 2014 and 2015. Care was taken during all drill programs to ensure that the sample split was not biased to sulphide content and, therefore, the sampling should be reliable and representative of the mineralization.

Drill core samples were collected using the following procedures:

1) Core was reassembled, lightly washed and measured.
2) Core was wet photographed.
3) Core was geotechnically logged.
4) Core was tested for magnetic susceptibility.
5) Core was geologically logged and sample intervals were designated. Sample intervals were set at geological boundaries, drill blocks or sharp changes in sulphide content.
6) Core recovery was calculated for each sample interval.
7) From 2010 and 2011, visually promising core intervals were sawn in half using a rock saw and the remainder of the core was split with an impact core splitter. In 2012, all visually promising core intervals were saw in half using a rock saw, while selected

specimens of altered country rock were split using an impact core splitter. In 2014 and 2015 all marked samples were cut using a rock saw. In each case, one half of the core sampled and the remaining half was placed back in the core box.

8) All samples were double bagged in 6 mm plastic bags, a pre-numbered sample tag was placed in each sample bag, then two or three samples were placed in a fiberglass bag sealed with a metal clasp and sample numbers were written on the outside of that bag with permanent felt pen. In 2012, 2014, and 2015 the fibreglass bag was sealed with a numbered security tag.
8) Two blank and two assay standard samples were randomly included in every batch of 30 or 31 core samples (in 2012, 2014 and 2015, batches comprised 30 core samples).
9) One duplicate sample consisting of quarter-split core was included in every batch of 30 or 31 core samples (in 2012 and 2015 batches comprised 30 core samples).
10) In 2012, 2014 and 2015 one coarse reject duplicate sample was also included in every batch of 30 core samples.

Density measurements were systematically taken on core, throughout the 2011, 2012, 2014, and 2015 drill programs with a total of 1,823 density measurements from a variety of holes and lithologies. Measurements are mostly from vein, porphyry dyke, fresh granodiorite and mineralized granodiorite but also include aplite and mafic dyke material. Sample densities were determined by cutting a 10 cm long section of core and then determining its weight dry and its weight in water. That data was applied to the following formula to establish the density of each of these samples:

Density = weight in air ÷ [Pi x (diameter of core ÷ 2)^2 x length of core]

For samples that could not be cut, a graduated cylinder (filled with water) was used to calculate the volume of the core sample and in turn the sample's density. Employing this technique, each sample was first weighed in air, and then its displacement was calculated using a volumetric cylinder. A second formula was then used to determine the density of each sample:

Density = weight in air ÷ (Final Volume – Initial Volume)

In addition to density, the specific gravity was calculated using the following formula for each sample wherever possible. As a cross check, density and specific gravity values were compared. Any significant discrepancies were investigated and corrected.

Specific Gravity = weight in air ÷ (weight in air – weight in water)

ORIENTED CORE SURVEYS

A Reflex ACT III downhole digital core orientation system was used in 2014 and 2015 to orient the core in a total of 46 holes.

In 2015, 18 of the 19 oriented holes were drilled using split tubes. The use of split tubes allowed orientation measurements to be collected across incompetent intervals or intervals with poor recovery.

Split tube intervals were oriented by Archer Cathro employees at the drill site. The core tube was first aligned by the driller's helper using the ACT III tool before the split tube was extracted from the core tube. Care was taken to not shift the core during this process. A line representing the top of the hole was marked down the length of the core by the Archer Cathro employees. Structural orientation measurements within the interval were taken prior to the core being transferred to core boxes.

HISTORICAL SAMPLE PREPARATION, ANALYSIS AND SECURITY

This section describes the sample handling procedures followed during the 1986 to 1989 and 2010 to 2012 exploration programs managed by Archer Cathro and the 1998 program conducted by BYG. The procedures followed during earlier exploration programs are not known.

During the 1986 to 1989 programs all samples were transported from the Property to Whitehorse by truck, escorted by a member of the geological crew, and then shipped via Canadian Airlines or a commercial trucking company to Chemex Labs (now ALS Minerals) in North Vancouver, B.C. Soil geochemical samples were dry sieved through a -35 mesh screen and ring pulverized to approximately -100 mesh before being analyzed for gold by neutron activation and inductively coupled plasma (ICP) analyses. Channel samples were fire assayed for gold and silver. The 1988 drill core samples were also fire assayed for gold and silver.

Drill core samples collected in 1998 were shipped directly from the site by company vehicle to the laboratory operated by Little Salmon Analytical in Carmacks. That laboratory was primarily established to process samples from the former Mount Nansen mine. The samples were assayed for gold and silver. The analyses were by the one ton fire assay method.

Samples collected in 2006 were submitted to ALS Chemex in North Vancouver, B.C. Analyses were done using industry-standard fire assay and ICP techniques. The ALS Chemex (now ALS Minerals) laboratory in North Vancouver carries ISO 9001:2000 registration and is accredited to ISO 17025 by Standards Council of Canada for a number of specific test procedures including fire assay Au by AA, ICP and gravimetric finish, and multi-element ICP and AA assays for Ag, Cu, Pb and Zn.

SAMPLE SECURITY

In 2010, all drill core was trucked to the Archer Cathro yard in Whitehorse for logging and splitting. In 2011, 2012 and 2014, drill core was logged and sawn or split at a processing facility on the Property. Chip samples taken between 2010 and 2015 were collected and labelled at the trenches on the Property.

In 2010, Archer Cathro personnel were responsible for transporting all samples from Archer Cathro's Whitehorse yard to ALS Minerals' Whitehorse preparation facility. In 2011, 2012-2015, Archer Cathro personnel were responsible for transporting all samples from the Property by truck to ALS Minerals' facility in Whitehorse for preparation. ALS Minerals was responsible for shipping the prepared sample splits from Whitehorse to its North Vancouver laboratory,

where they were analyzed. All samples were controlled by employees of Archer Cathro until they were delivered directly to ALS Minerals in Whitehorse.

In 2012, 2014, and 2015, Archer Cathro ensured that a Chain of Custody form accompanied all batches of drill core during transportation from the Property to the preparation facility. A unique security tag was attached to each individual fibreglass bag when the bag was sealed. The bags and security tags had to be intact in order to be delivered to ALS Minerals. If a security tag arrived at the laboratory damaged, an investigation into the sample bag was undertaken by ALS Minerals and Archer Cathro and any affected samples were not processed until a resolution had been reached on the security of the samples.

SAMPLE PREPARATION AND ANALYSIS

All samples were sent to ALS Minerals' laboratory in Whitehorse for preparation and then on to its laboratory in North Vancouver for analysis. ALS Minerals, a wholly owned subsidiary of ALS Limited, is an independent commercial laboratory specializing in analytical geochemistry services. Both ALS Minerals' Whitehorse and North Vancouver laboratories are individually certified to standards within ISO 9001:2008.

All 2010 to 2012 soil samples were dried and screened to -180 microns. All 2010 to 2015 rock, core and trench samples were dried, fine crushed to better than 70% passing -2 mm and then a 250 g split was pulverized to better than 85% passing 75 microns. In 2014 and 2015, visually mineralized intervals and adjoining samples were prepared using a technique designed for coarse gold and silver. The sample is dried and crushed to better than 90% passing 2 mm. A 1,000 g split is then taken and pulverized to better than 95% passing 106 microns.

In 2010 and 2011, all core and trench samples were initially analyzed for gold by fire assay followed by atomic absorption (Au-AA24) and 35 other elements by inductively coupled plasma-atomic emission spectroscopy (ME-ICP41). Overlimit values for gold were determined by fire assay and gravimetric finish (Au-GRA22) and silver values were determined using Ag-OG46. Sample pulps from mineralized intervals of drill core from 2011 were later reanalyzed for lead and zinc as well as 46 other elements using four acid digestion followed by inductively coupled plasma-atomic emission spectrometry (ME-MS61). Overlimit values for silver, lead and zinc were determined by inductively coupled plasma-atomic emission spectroscopy (Ag/Pb/Zn-OG62).

In 2012, 2014 and 2015, rock samples were routinely analyzed for gold by fire assay followed by atomic absorption (Au-AA24) and 48 other elements by four acid digestion (ME-MS61). All overlimit values were determined for gold by fire assay and gravimetric finish (Au-GRA22) and similarly for silver using Ag-OG62.

Soil samples collected in 2010 were analyzed for gold by fire assay with inductively coupled plasma-atomic emissions spectroscopy finish (Au-ICP21) and for 35 other elements using aqua regia digestion and inductively coupled plasma-atomic emission spectrometry. Soil samples collected in 2011 and 2012, were analysed for gold by fire assay fusion and atomic absorption

spectroscopy (Au-AA24) and for 35 other elements using aqua regia digestion and inductively coupled plasma-atomic emission spectrometry.

All 2010 to 2015 assay standard, blank and duplicate samples passed QA/QC reviews. It is the Author's opinion that the sample preparation, security and analytical procedures used for this project are adequate.

DATA VERIFICATION

Database

Prior to 2014, geological and geotechnical logging was initially recorded as a hardcopy and then transcribed into MS Excel®. In 2014, logging was recorded as hardcopy and then entered into a MS-SQL Server® database (the Database). In 2015, drill logs were entered directly into the Database. All of the pre-2014 data has been transferred to the Database.

Algorithms within the database automatically check all data as it is entered to ensure accuracy and consistency. These checks include interval checks that alert the user if overlapping or missing intervals are detected. Alerts are also generated if a downhole depth has been entered that is greater than the final hole depth. Drop down menus and internal libraries ensure consistency between users by requiring the use of pre-approved lithological units, minerals and other logging codes.

Visual comparison of hardcopy data and digital data were conducted on select holes to ensure accuracy. Any discrepancies identified by this process were investigated, by examining the core stored on the Property, and corrected.

Collar Location

All drill hole collars were re-surveyed in 2012 using a Trimble RTK GPS system and, where necessary, survey data collected in previous years was corrected. The differences between this most recent survey and the earlier surveys can be explained by the poorer accuracy of the hand held GPS devices used in previous years.

Elevation data obtained during the RTK GPS survey was compared to elevation data calculated from low level orthophotos. Any discrepancies identified were investigated and corrected, if possible. If no resolution to a discrepancy was immediately apparent, an additional survey was conducted.

Down-hole Orientation

Prior to 2011, no down-hole azimuth measurements were made and dip deviations were measured using an acid test at the bottom of each hole. This practice does not follow industry standards, but due to the limited number of holes (11), shallow depths (up to 273.12 m) and good ground conditions, this is not considered to be a significant issue.

Original 2011, 2012, 2014, and 2015 survey data was obtained from the survey tools in CSV format and was visually inspected. Erroneous data was not used during the interpretation process.

Assays

Digital assay certificates, for all of the drilling completed between 2010 and 2015, were obtained from ALS Minerals in CSV format and imported directly into the Database.

Internal algorithms built into the Database ensure that the correct assay data is matched with the correct sampling data. Errors detected by the Database were inspected and corrected. Spot checking of data within the Database to hard copy certificates issued by ALS Minerals was also implemented and did not revealed any issues.

Samples from the 2010 to 2015 diamond drilling programs were subjected to a quality assurance and quality control ("QA/QC") program designed by Archer Cathro for Rockhaven. The QA/QC program consisted of:

1) Sequentially pre-numbered sample tags: to identify each sample with a unique number to minimize the possibility of sample numbering errors and to ensure uniform collection of sample data.
2) Sealed, doubled sample bags: to secure individual sample bags in order to reduce the possibility of sample contamination, spilling or tampering.
3) Chain of custody: samples were stored in a secure preparation area and delivered to the laboratory directly by Archer Cathro personnel. A chain of custody form, signed by each person who transported the samples, was attached to each sample shipment. These forms have been retained in case any discrepancy is ever identified.

4) Sample duplicates: select samples were quartered and re-submitted for assay. In addition, duplicates of coarse reject material of select 2012 samples were re-submitted for assay.
5) Sample blanks: commercial samples were purchased and inserted in the sample sequence. to test for "smear effect" during the sample preparation process. These blanks were assigned unique sample numbers within the sample sequence and were randomly inserted into each batch, so as to be "blind" to the laboratory.
6) Reference standard samples: commercially available assay standard samples for gold and silver were purchased for the 2010 and 2011 drill program. Six project specific assay standards were prepared from coarse reject material from the 2011 and 2012 core samples for use during the 2012 through 2015 programs. These assay standards were prepared, homogenized and packaged by CDN Resource Laboratories Ltd. of Delta, British Columbia. All assay standards were certified by Smee & Associates Consulting Ltd. of North Vancouver, British Columbia assay standards were assigned a unique sample number within the sample sequence and were randomly inserted into each batch.
7) Sample weight: Once split and bagged, individual samples are weighed. This weight is compared to the received weight recorded by ALS to monitor for possible sample switches or other issues arising during transport or preparation. Any significant discrepancies between these weights are investigated and necessary corrections made.
8) Referee samples: In October 2015, 140 core samples analyzed in 2015 by ALS Minerals were randomly selected for check analysis. These samples represent approximately 3% of the samples analyzed in 2015. Pulp rejects from these samples were submitted to SGS Minerals Services ("SGS") in Burnaby BC to be analyzed for gold by fire assay followed by atomic absorption (GE FAA313) and 33 elements by four acid digestion followed by inductively coupled plasma-atomic emission spectrometry (GE ICP40B). Results from the SGS analysis are consistent with the analysis completed by ALS Minerals.

All of the samples have passed this quality assurance and quality control program.

APPENDIX IV

CERTIFICATES OF ANALYSIS

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 23-JUN-2015
Account: ROCKHA

CERTIFICATE WH15083855

Project: KLAZA

P.O. No.: TR-15-79a

This report is for 36 Rock samples submitted to our lab in Whitehorse, YT, Canada on 9-JUN-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
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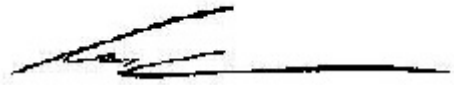
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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Finalized Date: 23-JUN-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15083855

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
R498001		2.78	0.038	0.58	7.87	56.4	2100	1.58	0.81	1.55	4.43	61.9	9.7	25	7.88	26.6
R498002		2.98	0.038	0.45	7.69	45.0	2310	1.55	0.50	1.65	2.66	56.7	7.9	18	6.17	20.4
R498003		3.41	0.041	0.59	7.69	52.9	2080	1.57	0.60	1.62	3.04	56.2	8.4	24	6.80	26.9
R498004		3.15	0.100	0.76	7.81	70.1	2970	1.53	0.85	1.37	4.49	59.6	10.0	22	6.30	92.1
R498005		4.20	0.031	0.45	8.16	50.2	2850	1.58	0.42	1.74	4.82	58.0	11.2	20	6.97	28.6
R498006		4.69	0.064	0.69	7.61	61.2	2360	1.56	0.84	1.30	5.40	62.3	9.8	21	8.30	32.4
R498007		3.80	0.025	0.51	7.77	53.6	2390	1.55	0.56	1.43	5.77	58.4	11.7	33	6.51	26.6
R498008		3.61	0.059	0.87	7.92	72.6	1870	1.57	1.03	1.49	3.55	59.7	8.2	26	8.69	40.2
R498009		3.12	0.015	0.36	7.83	43.2	2750	1.54	0.35	1.37	7.05	59.3	12.0	22	5.87	19.2
R498010		6.02	<0.005	0.01	0.09	1.2	30	0.07	0.04	20.5	0.10	1.38	1.2	1	0.17	2.3
R498011		4.47	0.069	0.69	7.72	54.0	2350	1.49	0.60	1.42	3.35	57.4	7.8	17	7.03	25.2
R498012		4.15	0.023	0.50	7.74	54.1	2720	1.51	0.54	1.33	6.04	62.1	10.5	16	6.92	23.2
R498013		4.90	0.034	0.50	7.53	49.3	1450	1.56	0.57	1.61	2.73	61.3	8.7	45	5.05	30.3
R498014		3.03	0.127	0.52	7.53	49.2	>10000	1.56	0.56	1.62	2.93	55.5	8.4	15	6.51	22.2
R498015		3.46	0.038	0.64	5.95	46.1	>10000	1.23	0.60	1.15	2.93	44.0	5.7	20	6.63	19.3
R498016		3.96	0.152	0.39	7.75	40.0	2330	1.60	0.61	1.62	2.71	56.3	8.2	17	6.68	22.4
R498017		3.71	0.065	0.89	7.47	69.5	1680	1.46	1.03	1.29	3.25	63.3	7.9	28	8.88	43.2
R498018		4.07	0.085	0.53	7.83	52.3	2070	1.59	0.68	1.49	3.52	63.7	9.2	23	7.43	29.3
R498019		3.07	0.077	0.64	7.41	60.6	1760	1.50	0.88	1.41	3.98	58.7	7.8	26	7.29	31.7
R498020		4.28	0.052	0.81	7.77	45.3	2130	1.60	1.12	1.58	2.80	60.5	8.0	21	7.42	31.5
R498021		3.08	0.028	0.54	7.60	67.6	2050	1.53	0.71	1.49	3.09	56.0	7.9	25	6.70	27.2
R498022		3.18	0.027	0.48	7.89	50.9	2140	1.64	0.60	1.53	2.90	61.5	8.8	21	7.07	25.5
R498023		1.73	0.122	0.86	7.63	83.8	1660	1.59	1.09	1.14	4.99	66.8	9.2	33	8.57	43.9
R498024		4.55	0.027	0.32	7.77	42.6	2450	1.55	0.41	1.47	4.46	60.6	10.4	18	7.28	23.3
R498025		0.29	0.342	4.43	6.80	698	1130	1.44	3.41	2.03	11.50	50.8	12.4	25	14.05	308
R498026		3.71	0.031	0.33	7.73	32.4	2180	1.69	0.32	1.60	4.47	53.6	9.4	14	6.08	16.3
R498027		3.02	0.022	0.28	7.49	31.7	2140	1.53	0.24	1.63	5.06	55.5	10.1	13	7.29	13.9
R498028		3.45	0.062	0.39	7.73	50.4	2070	1.65	0.48	1.54	3.48	62.7	8.0	20	6.47	23.8
R498029		3.03	0.034	0.33	7.61	34.0	2440	1.58	0.24	1.50	3.49	53.5	8.8	13	6.52	14.2
R498030		3.68	0.007	0.19	7.51	16.8	2260	1.57	0.20	1.58	2.60	52.8	7.8	11	5.39	16.2
R498031		2.96	0.008	0.31	7.85	38.7	2280	1.62	0.26	1.59	9.84	57.6	10.1	13	5.90	20.3
R498032		3.73	0.006	0.24	7.94	22.5	2730	1.56	0.21	1.53	5.03	55.9	10.0	12	5.35	11.2
R498033		3.23	0.022	0.16	7.92	29.9	2440	1.62	0.20	1.79	4.65	52.2	10.5	37	5.47	12.4
R498034		3.01	0.006	0.17	7.59	21.7	2410	1.80	0.21	1.88	2.39	59.5	10.4	12	5.22	18.2
R498035		2.81	0.010	0.19	7.38	22.3	2190	1.84	0.23	1.62	1.97	54.7	8.5	11	5.63	23.4
R498036		3.11	0.005	0.27	7.91	27.1	2140	1.83	0.31	1.92	3.98	56.6	11.9	25	5.25	18.3

***** See Appendix Page for comments regarding this certificate *****

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Finalized Date: 23-JUN-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15083855

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
R498001		3.18	17.00	0.10	1.4	0.121	2.13	32.0	18.8	0.66	1280	1.83	2.16	9.0	8.1	670
R498002		3.15	16.60	0.12	1.4	0.084	2.48	29.9	13.7	0.67	721	1.77	2.04	9.0	6.6	660
R498003		3.24	16.35	0.11	1.4	0.099	2.41	30.4	15.4	0.63	716	1.87	1.96	8.6	7.7	670
R498004		3.50	16.95	0.13	1.3	0.239	2.59	31.8	13.5	0.62	1150	2.16	1.83	8.4	7.5	680
R498005		3.61	17.50	0.13	1.4	0.089	2.62	30.1	13.8	0.83	1500	1.58	2.30	9.0	8.4	710
R498006		3.13	16.60	0.11	1.4	0.119	2.45	34.5	18.2	0.57	1380	3.75	1.80	8.9	7.6	660
R498007		3.41	16.70	0.15	1.4	0.085	2.26	31.8	15.0	0.79	1600	1.72	2.07	8.4	11.9	680
R498008		3.47	17.15	0.16	1.4	0.155	2.39	33.2	19.8	0.65	505	2.08	1.73	9.2	8.9	720
R498009		3.37	16.45	0.10	1.3	0.066	2.54	31.1	11.3	0.65	2120	2.52	2.17	8.3	7.3	640
R498010		0.49	0.39	0.22	<0.1	0.005	0.03	0.7	1.0	12.55	226	0.19	0.01	0.2	2.5	210
R498011		3.14	16.25	0.24	1.4	0.104	2.57	31.6	14.2	0.63	804	1.85	1.96	8.3	6.7	620
R498012		3.19	17.10	0.17	1.2	0.102	2.35	33.3	17.2	0.63	1880	2.16	2.07	8.4	7.3	640
R498013		3.05	16.85	0.17	1.6	0.097	1.96	32.5	20.5	0.66	573	1.57	1.75	9.8	15.0	810
R498014		3.16	16.50	0.17	1.3	0.191	2.45	31.6	14.9	0.69	858	6.49	2.16	8.3	6.5	630
R498015		2.29	13.00	0.10	1.1	0.154	1.58	23.0	18.2	0.45	620	5.16	1.69	6.7	5.6	480
R498016		3.26	17.05	0.16	1.4	0.091	2.48	30.4	15.2	0.71	668	1.71	2.10	9.1	6.4	680
R498017		3.21	16.30	0.13	1.4	0.159	2.26	34.7	20.7	0.55	446	2.13	1.46	9.0	9.1	690
R498018		3.31	17.05	0.15	1.5	0.106	2.43	34.9	18.7	0.65	927	1.67	1.88	9.1	8.1	700
R498019		3.12	16.10	0.11	1.4	0.132	2.13	31.4	18.3	0.58	757	1.85	1.74	8.7	8.2	660
R498020		3.31	17.25	0.15	1.3	0.109	2.36	33.3	16.7	0.65	646	1.76	2.07	9.2	7.9	680
R498021		3.22	16.45	0.12	1.3	0.111	2.37	30.0	16.0	0.63	625	1.76	1.86	9.0	8.0	650
R498022		3.28	17.60	0.16	1.5	0.104	2.37	32.6	16.3	0.65	621	2.00	2.06	9.3	8.2	710
R498023		3.34	17.25	0.13	1.6	0.160	2.18	37.0	21.2	0.50	1040	2.07	1.41	9.7	10.8	720
R498024		3.14	17.10	0.11	1.4	0.083	2.48	31.7	16.4	0.71	1520	1.79	2.11	8.8	7.5	690
R498025		5.02	16.45	0.13	1.2	0.318	2.96	29.7	27.7	0.77	1860	15.35	0.15	6.5	15.0	530
R498026		2.88	17.65	0.14	1.3	0.077	2.04	27.8	14.2	0.70	1510	1.21	2.52	8.8	6.3	630
R498027		3.02	16.50	0.17	1.1	0.065	1.97	28.7	14.0	0.67	1680	1.59	2.50	8.1	6.1	630
R498028		3.21	16.80	0.15	1.4	0.087	2.37	33.9	15.4	0.63	906	1.98	2.04	9.2	6.9	650
R498029		3.01	16.60	0.12	1.3	0.061	2.41	28.7	12.4	0.67	1260	1.59	2.26	8.1	6.3	610
R498030		2.92	16.45	0.16	1.1	0.052	2.32	27.8	11.6	0.70	899	1.25	2.40	8.1	5.7	640
R498031		2.96	17.60	0.15	1.2	0.089	2.15	28.2	11.5	0.63	2680	1.35	2.37	8.5	7.4	640
R498032		2.91	17.35	0.16	1.2	0.055	2.46	29.2	11.5	0.71	1620	1.62	2.35	8.2	5.9	630
R498033		3.26	17.60	0.17	1.4	0.075	2.24	26.7	12.5	0.89	1300	1.43	2.52	8.5	14.2	650
R498034		3.03	16.85	0.11	1.2	0.057	2.36	31.6	14.3	0.74	951	1.42	2.49	8.3	6.6	620
R498035		2.93	16.60	0.11	1.2	0.062	2.29	28.5	11.6	0.69	698	1.51	2.53	8.4	5.5	610
R498036		3.77	18.60	0.10	1.4	0.114	1.90	27.2	17.9	1.19	1390	1.90	2.65	8.9	9.9	860

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 23-JUN-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15083855

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
R498001		101.0	94.8	<0.002	0.01	5.58	11.2	1	2.3	341	0.70	0.06	12.6	0.318	1.09	3.7
R498002		70.2	109.5	<0.002	0.01	4.12	11.0	1	1.9	340	0.72	<0.05	12.6	0.294	1.13	3.1
R498003		88.5	101.5	<0.002	0.01	4.52	10.9	1	2.0	335	0.69	<0.05	12.7	0.298	1.12	3.2
R498004		121.0	123.0	<0.002	0.09	5.36	11.1	1	2.1	300	0.65	0.13	12.9	0.299	1.39	3.3
R498005		86.5	113.5	<0.002	0.02	4.15	12.2	1	2.0	369	0.69	<0.05	13.0	0.311	1.19	3.0
R498006		110.5	111.5	<0.002	0.02	6.53	10.7	1	2.1	292	0.70	0.13	12.5	0.297	1.25	3.4
R498007		88.8	99.7	<0.002	0.02	4.85	11.4	1	1.9	349	0.64	0.05	12.5	0.291	1.17	3.2
R498008		131.0	110.5	<0.002	0.01	6.93	12.1	<1	2.3	299	0.74	0.10	13.0	0.330	1.24	3.3
R498009		77.5	109.0	<0.002	0.02	3.38	10.7	1	1.9	322	0.66	0.05	13.4	0.285	1.14	3.2
R498010		1.9	1.4	<0.002	<0.01	0.06	0.2	<1	<0.2	52.1	<0.05	<0.05	<0.2	<0.005	<0.02	0.5
R498011		146.0	114.0	<0.002	0.01	7.08	10.3	1	2.0	312	0.69	0.05	13.2	0.277	1.23	3.1
R498012		99.6	106.0	<0.002	0.04	6.31	10.5	1	2.1	317	0.66	0.06	13.8	0.278	1.14	3.6
R498013		85.5	89.5	<0.002	<0.01	5.03	12.3	1	1.8	318	0.73	0.06	10.3	0.370	0.90	3.3
R498014		107.5	111.0	<0.002	0.32	15.20	10.8	1	1.9	420	0.66	<0.05	13.1	0.273	1.16	2.9
R498015		94.3	74.3	<0.002	0.32	14.85	8.0	1	1.6	330	0.56	0.13	9.8	0.215	0.86	2.8
R498016		70.9	111.5	<0.002	0.01	4.58	11.5	1	2.2	335	0.69	<0.05	13.4	0.290	1.10	3.0
R498017		141.0	109.0	<0.002	0.01	8.03	11.5	1	2.1	250	0.66	0.08	12.7	0.331	1.28	3.4
R498018		103.0	112.0	<0.002	0.01	5.28	11.3	1	1.9	314	0.74	0.07	12.8	0.320	1.26	3.2
R498019		114.0	96.6	<0.002	0.01	6.46	11.2	1	2.1	285	0.67	0.07	12.1	0.308	1.12	3.5
R498020		83.6	105.0	<0.002	0.01	5.48	12.0	1	2.2	337	0.71	0.06	12.8	0.320	1.11	3.1
R498021		107.5	108.0	<0.002	0.02	5.13	11.2	1	2.2	309	0.68	0.09	12.1	0.306	1.15	3.1
R498022		95.2	111.5	<0.002	0.02	4.94	11.9	1	2.2	332	0.71	0.07	12.8	0.315	1.18	3.1
R498023		152.0	107.0	<0.002	0.01	8.11	12.2	1	2.3	234	0.72	0.11	12.4	0.346	1.30	4.0
R498024		77.7	109.5	<0.002	0.01	3.96	11.3	1	2.1	325	0.70	<0.05	13.7	0.298	1.17	3.4
R498025		489	172.0	0.003	2.71	29.5	9.7	1	5.7	113.0	0.52	0.26	11.5	0.209	2.55	5.2
R498026		52.4	93.1	<0.002	0.02	3.27	11.1	1	2.1	359	0.68	<0.05	13.0	0.279	1.01	3.2
R498027		48.7	85.2	<0.002	0.01	2.80	10.3	1	2.0	373	0.65	<0.05	13.3	0.267	0.92	3.1
R498028		84.8	107.0	<0.002	0.01	4.98	10.7	1	2.0	327	0.76	<0.05	13.7	0.313	1.17	3.1
R498029		53.5	106.5	<0.002	0.01	3.13	10.2	1	2.0	341	0.67	<0.05	12.9	0.263	1.10	2.8
R498030		34.1	97.8	<0.002	0.01	2.19	10.6	1	2.1	361	0.65	<0.05	13.0	0.266	0.93	2.5
R498031		61.3	102.5	<0.002	0.02	3.79	11.0	1	2.5	339	0.68	<0.05	13.8	0.272	1.17	3.3
R498032		46.3	114.0	<0.002	0.05	4.94	10.7	1	2.0	361	0.64	<0.05	13.8	0.262	1.16	3.1
R498033		46.2	92.9	<0.002	0.02	3.48	11.4	1	2.1	396	0.69	<0.05	13.3	0.284	1.07	3.1
R498034		36.7	107.5	<0.002	0.02	2.23	12.0	1	1.6	379	0.63	0.05	14.3	0.264	1.04	2.7
R498035		36.2	98.9	<0.002	0.01	2.08	11.5	1	1.8	372	0.65	<0.05	14.3	0.254	1.05	2.8
R498036		45.6	83.0	<0.002	0.04	3.64	15.6	1	2.4	398	0.67	<0.05	12.9	0.334	1.00	3.5

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 23-JUN-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15083855

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	V	W	Y	Zn	Zr
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	1	0.1	0.1	2	0.5
R498001		77	1.8	16.6	270	38.0
R498002		73	2.0	17.5	190	37.4
R498003		76	2.1	16.8	231	37.8
R498004		78	1.8	15.9	257	33.3
R498005		85	1.8	17.9	240	36.3
R498006		78	2.2	16.4	286	36.3
R498007		78	1.5	16.7	259	37.3
R498008		84	2.4	18.3	323	39.0
R498009		72	2.2	15.2	232	33.1
R498010		2	0.2	0.8	21	<0.5
R498011		71	1.9	15.6	237	34.4
R498012		71	2.0	16.2	244	34.9
R498013		91	1.8	19.0	193	43.5
R498014		71	2.3	17.2	177	33.8
R498015		57	1.4	12.2	191	27.8
R498016		76	2.1	17.2	187	37.5
R498017		82	2.2	17.2	295	41.3
R498018		79	2.1	17.5	250	39.5
R498019		78	2.0	16.8	281	38.5
R498020		80	2.0	17.0	215	34.3
R498021		76	1.9	16.5	243	36.8
R498022		81	1.7	17.0	240	38.2
R498023		84	2.3	17.7	363	43.9
R498024		76	1.7	17.3	234	37.0
R498025		65	5.6	12.3	874	32.2
R498026		73	1.3	14.5	171	34.4
R498027		70	1.5	15.4	203	29.7
R498028		78	1.9	16.9	227	37.2
R498029		69	1.6	15.1	182	31.3
R498030		69	1.2	14.8	125	29.9
R498031		72	1.6	16.9	245	31.7
R498032		69	2.0	16.0	175	30.6
R498033		82	1.6	15.0	203	35.4
R498034		72	1.3	16.8	148	33.4
R498035		71	1.2	15.0	139	32.3
R498036		113	1.4	17.0	200	43.1

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: KLAZA

Finalized Date: 23-JUN-2015
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH15083855

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: ME-MS61

REE's may not be totally soluble in this method.

LABORATORY ADDRESSES

Applies to Method: CRU-31, CRU-QC, LOG-21, LOG-23, PUL-31, PUL-QC, SPL-21, WEI-21

Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

Applies to Method: Au-AA24, ME-MS61

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 24-JUN-2015
Account: ROCKHA

CERTIFICATE WH15083859

Project: KLAZA

P.O. No.: TR-15-79d

This report is for 25 Rock samples submitted to our lab in Whitehorse, YT, Canada on 9-JUN-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test

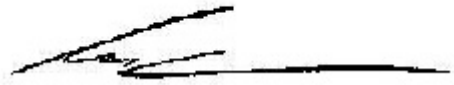
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
As-OG62	Ore Grade As - Four Acid	VARIABLE
Au-AA24	Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
ME-MS61	48 element four acid ICP-MS	
Ag-OG62	Ore Grade Ag - Four Acid	VARIABLE
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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VANCOUVER BC V6B 1L8

Finalized Date: 24-JUN-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15083859

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-AA24 Au ppm 0.005	Au-GRA22 Au ppm 0.05	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05
R498098		1.81	0.101		2.08	8.17	305	880	1.56	1.00	0.40	9.67	71.1	5.6	17	19.05
R498099		2.65	0.179		2.64	8.12	365	1490	1.98	1.55	0.46	9.91	68.5	6.4	14	22.3
R498100		2.87	0.283		5.45	8.04	440	2310	1.98	3.22	1.09	12.65	65.9	9.8	12	17.85
R498101		2.42	0.262		6.94	8.00	497	2090	1.96	3.66	0.99	13.80	66.9	9.2	14	17.95
R498102		6.05	<0.005		0.03	0.08	3.4	30	0.07	0.12	20.3	0.14	1.51	0.9	1	0.25
R498103		3.26	0.251		7.14	7.58	518	2440	1.65	2.23	1.16	11.60	60.5	9.8	9	12.50
R498104		2.20	0.210		12.05	8.01	610	2550	1.68	2.93	0.87	14.50	46.1	9.4	11	12.95
R498105		2.01	0.376		12.00	7.94	1005	2230	1.33	3.43	0.37	22.6	53.0	11.0	14	12.75
R498106		1.88	8.89		66.8	6.95	4740	1780	1.32	44.3	0.29	86.7	50.9	4.2	12	19.00
R498107		2.45	>10.0	41.3	>100	4.20	>10000	3700	1.38	113.0	0.30	222	39.1	2.6	9	11.75
R498108		2.48	>10.0	31.9	>100	3.11	>10000	1210	1.01	379	0.23	211	33.6	1.8	6	12.30
R498109		1.82	0.345		4.21	7.44	183.0	2290	1.65	3.99	1.16	9.06	64.5	8.8	10	12.35
R498110		1.60	0.278		7.78	7.77	256	1580	1.60	6.18	0.30	12.95	65.0	5.7	11	13.70
R498111		1.53	0.939		17.95	7.54	457	1680	1.70	19.50	0.27	21.2	65.3	6.2	12	18.30
R498112		1.61	1.350		22.5	7.64	602	2690	1.60	35.7	0.24	29.7	66.7	8.7	12	17.05
R498113		1.59	0.055		1.30	8.17	88.1	1710	1.48	1.30	0.29	15.10	71.2	8.4	11	16.90
R498114		1.30	0.110		1.64	8.10	133.5	1560	1.69	1.69	0.27	14.45	67.6	6.4	12	23.8
R498115		2.69	0.029		0.96	8.10	121.0	1110	1.58	0.79	0.24	9.94	65.1	3.6	8	33.8
R498116		1.83	0.115		1.28	8.13	131.0	1050	1.72	0.93	0.31	10.45	72.0	5.4	10	23.7
R498117		2.45	0.045		0.76	8.12	116.0	2160	1.66	0.81	0.36	12.95	72.8	7.7	11	15.05
R498118		1.76	0.081		1.27	7.66	156.5	1820	1.56	1.53	0.54	14.70	79.9	10.2	16	18.40
R498119		1.72	0.096		1.54	8.44	174.0	1960	1.60	1.08	0.33	17.55	67.6	9.5	10	19.10
R498120		2.69	0.033		0.79	8.59	160.5	1920	1.75	0.52	0.34	14.50	62.7	6.7	9	18.15
R498121		2.92	0.044		0.86	8.56	114.5	1980	1.61	0.78	0.48	9.50	63.0	6.8	13	14.10
R498122		0.29	0.365		4.56	6.46	691	560	1.32	3.41	1.91	10.85	52.7	13.5	24	13.50

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 24-JUN-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15083859

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni
	Units	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	LOR	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2
R498098		176.5	3.38	18.10	0.10	1.3	0.163	1.93	40.4	161.5	0.19	551	2.16	0.34	9.6	4.9
R498099		147.0	3.27	17.80	0.10	1.2	0.183	2.78	37.8	77.6	0.29	778	1.88	0.43	8.6	4.9
R498100		139.5	3.40	18.10	0.11	1.2	0.443	2.96	34.7	27.7	0.51	1010	1.95	1.65	9.1	5.6
R498101		186.0	3.57	17.90	0.10	1.3	0.487	2.95	36.7	32.7	0.49	1080	2.12	1.54	8.8	6.1
R498102		2.8	0.47	0.28	0.24	<0.1	0.012	0.03	0.7	1.3	12.60	214	0.10	0.01	0.2	1.9
R498103		185.5	3.32	17.25	0.12	1.2	0.461	3.01	32.1	16.4	0.56	1160	1.79	2.03	8.8	4.3
R498104		363	3.70	17.90	0.11	1.2	0.545	3.09	26.1	19.7	0.49	965	1.87	1.46	8.5	4.4
R498105		429	4.17	17.85	0.11	1.2	0.988	2.99	31.2	30.2	0.24	1510	3.10	0.49	8.7	4.6
R498106		523	6.52	15.55	0.12	1.2	3.34	2.71	45.7	34.5	0.20	593	6.53	0.22	6.9	3.2
R498107		592	10.20	10.70	0.15	0.6	8.24	1.91	75.4	24.0	0.17	265	10.65	0.11	3.2	2.5
R498108		571	9.86	8.37	0.13	0.4	8.41	1.33	66.0	27.3	0.10	221	11.45	0.04	2.3	2.1
R498109		87.8	3.34	16.80	0.12	1.1	0.256	2.95	37.0	23.5	0.61	1070	1.87	1.90	8.2	3.9
R498110		240	4.15	16.85	0.09	1.1	0.765	2.57	37.0	49.6	0.19	934	2.76	0.29	7.7	3.7
R498111		351	4.96	17.50	0.13	1.1	1.475	2.41	43.3	78.8	0.19	1120	3.93	0.21	7.3	4.1
R498112		392	5.00	17.35	0.11	1.1	2.11	2.20	44.8	86.2	0.17	1820	5.16	0.13	7.5	3.9
R498113		78.9	3.90	17.90	0.11	1.3	0.157	2.04	41.4	106.0	0.17	1600	3.08	0.26	9.3	4.0
R498114		108.0	4.54	18.30	0.11	1.3	0.184	2.62	38.9	74.4	0.18	1510	3.48	0.16	9.0	4.0
R498115		85.6	3.04	17.55	0.11	1.1	0.103	2.17	39.5	48.3	0.18	401	1.92	0.09	8.1	3.3
R498116		78.7	2.84	17.60	0.10	1.3	0.125	1.57	44.0	64.7	0.17	472	1.99	0.22	8.9	4.1
R498117		68.5	3.04	18.15	0.10	1.2	0.120	1.64	41.5	163.5	0.18	1120	2.61	0.28	9.1	4.7
R498118		83.9	3.60	17.60	0.12	1.2	0.191	2.31	47.1	72.3	0.29	1310	3.25	0.57	8.9	7.0
R498119		133.5	4.59	18.80	0.10	1.2	0.153	2.92	35.8	29.7	0.32	1840	3.33	0.28	8.7	4.5
R498120		94.8	3.76	18.35	0.10	1.2	0.088	3.19	32.6	22.2	0.19	1200	2.56	0.67	8.4	3.4
R498121		66.5	3.42	18.55	0.10	1.2	0.115	2.86	32.5	33.6	0.30	689	1.97	0.82	9.0	5.4
R498122		312	4.88	15.95	0.10	1.1	0.310	2.92	29.7	25.0	0.73	1870	15.90	0.15	6.3	15.6

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 24-JUN-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15083859

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
	LOR	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02
R498098		660	98.1	106.5	<0.002	0.01	35.2	12.9	1	2.1	145.0	0.72	<0.05	17.1	0.284	1.37
R498099		630	113.0	140.5	<0.002	0.02	21.6	12.4	1	2.0	110.5	0.67	0.08	17.1	0.259	1.85
R498100		630	241	136.0	<0.002	0.04	20.5	12.7	1	1.9	257	0.69	0.07	17.0	0.267	1.54
R498101		610	288	136.5	<0.002	0.05	23.7	12.8	1	2.1	250	0.67	0.10	17.1	0.265	1.61
R498102		170	2.4	1.4	<0.002	<0.01	0.34	0.2	<1	<0.2	48.2	<0.05	<0.05	0.2	<0.005	<0.02
R498103		620	195.5	128.5	<0.002	0.02	18.25	11.3	1	2.0	292	0.66	0.05	16.1	0.259	1.33
R498104		570	170.5	138.0	<0.002	0.03	26.7	11.9	1	2.0	227	0.65	0.06	16.8	0.252	1.54
R498105		490	209	145.5	<0.002	0.03	43.8	12.4	1	2.3	116.5	0.65	0.11	16.2	0.260	1.72
R498106		400	1415	149.5	<0.002	0.17	236	9.6	1	5.0	98.2	0.52	0.71	13.1	0.222	2.25
R498107		310	4380	124.5	<0.002	0.33	539	10.0	2	12.4	132.0	0.24	2.84	8.3	0.105	1.52
R498108		290	6500	83.5	<0.002	0.40	740	8.1	3	15.5	92.6	0.17	7.83	6.5	0.069	1.22
R498109		590	105.0	128.5	<0.002	0.01	35.7	11.4	1	2.0	297	0.64	<0.05	15.8	0.251	1.43
R498110		580	199.5	135.0	<0.002	0.02	103.5	11.5	1	2.5	90.2	0.61	0.06	15.8	0.237	2.08
R498111		520	372	142.5	<0.002	0.05	262	11.4	1	3.2	111.5	0.58	0.06	16.1	0.218	2.48
R498112		600	602	132.5	<0.002	0.08	460	11.8	1	2.9	124.5	0.59	0.08	16.7	0.228	2.21
R498113		660	103.0	113.5	<0.002	0.03	39.6	13.0	1	2.3	159.0	0.73	<0.05	18.5	0.271	1.80
R498114		640	138.5	141.5	<0.002	0.02	33.2	14.4	1	2.4	109.0	0.71	<0.05	17.7	0.269	2.35
R498115		570	75.4	128.5	<0.002	0.02	23.7	11.9	1	2.0	54.3	0.66	<0.05	17.4	0.231	2.06
R498116		640	68.6	90.5	<0.002	0.02	33.1	12.5	1	2.4	85.2	0.72	<0.05	18.1	0.261	1.14
R498117		680	70.9	92.7	<0.002	0.04	32.7	12.5	1	2.4	172.5	0.70	<0.05	17.3	0.268	1.24
R498118		650	137.5	122.5	<0.002	0.03	28.3	13.0	1	2.3	133.5	0.67	<0.05	16.0	0.280	1.57
R498119		680	66.5	134.5	<0.002	0.02	18.50	13.4	1	2.2	68.1	0.68	<0.05	17.3	0.261	1.83
R498120		660	63.0	141.5	<0.002	0.01	17.40	12.6	1	1.8	90.1	0.65	<0.05	17.0	0.256	1.87
R498121		690	77.5	121.0	<0.002	0.01	23.3	12.1	1	2.0	141.5	0.68	<0.05	16.6	0.281	1.18
R498122		510	463	167.0	0.004	2.62	27.4	9.9	1	5.3	110.0	0.49	0.34	12.2	0.208	2.55

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 24-JUN-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15083859

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Ag-OG62	As-OG62
	Analyte	U	V	W	Y	Zn	Zr	Ag	As
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.1	1	0.1	0.1	2	0.5	1	0.001
R498098		5.9	76	3.9	19.7	1040	35.4		
R498099		6.1	72	3.0	17.5	1050	33.8		
R498100		4.9	73	1.8	17.8	935	33.1		
R498101		5.1	73	2.0	18.8	1040	35.0		
R498102		0.6	2	0.1	0.8	24	<0.5		
R498103		4.3	68	1.2	16.4	793	32.2		
R498104		5.5	68	1.4	16.8	992	30.0		
R498105		7.1	71	2.2	20.1	1210	31.4		
R498106		9.5	62	2.9	24.7	1370	25.7		
R498107		19.0	43	2.9	62.6	1540	16.2	241	1.550
R498108		19.9	30	1.9	53.9	1540	12.5	506	1.115
R498109		4.1	68	2.1	18.7	451	30.6		
R498110		6.3	66	3.4	16.9	935	26.9		
R498111		7.4	69	4.7	19.0	1060	29.6		
R498112		7.2	66	4.4	20.6	1160	30.1		
R498113		6.1	73	4.6	19.7	905	35.0		
R498114		7.3	77	4.7	21.0	1090	34.5		
R498115		6.1	65	3.4	19.0	717	30.7		
R498116		5.7	69	3.7	21.0	763	35.1		
R498117		5.8	72	3.6	18.7	900	32.9		
R498118		6.4	78	3.0	21.1	998	33.1		
R498119		5.9	77	4.7	19.8	1440	33.0		
R498120		5.8	72	2.1	17.9	1440	31.1		
R498121		5.0	72	9.5	15.1	1020	34.3		
R498122		5.5	65	5.5	11.8	847	31.0		

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: KLAZA

Finalized Date: 24-JUN-2015
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH15083859

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

CRU-31	CRU-QC	LOG-21	LOG-23
PUL-31	PUL-QC	SPL-21	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Ag-OG62	As-OG62	Au-AA24	Au-GRA22
ME-MS61	ME-OG62		

ALS Canada Ltd.

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Finalized Date: 24-JUN-2015
Account: ROCKHA

CERTIFICATE WH15083860

Project: KLAZA

P.O. No.: TR-15-79c

This report is for 36 Rock samples submitted to our lab in Whitehorse, YT, Canada on 9-JUN-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test

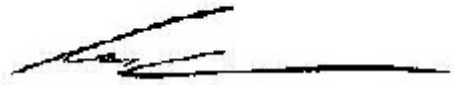
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.

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Finalized Date: 24-JUN-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15083860

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
R498062		2.98	0.089	0.27	8.10	25.2	2280	1.56	0.30	1.96	2.22	54.7	9.1	12	4.77	16.8
R498063		3.00	0.005	0.20	8.22	25.1	2840	1.67	0.19	1.88	3.07	57.2	10.4	11	5.13	15.7
R498064		3.27	0.016	0.26	8.47	31.4	2550	1.70	0.25	1.74	3.32	60.8	9.6	12	6.56	16.0
R498065		2.34	0.056	0.29	8.32	31.1	2340	1.71	0.26	1.38	6.26	56.0	13.8	13	5.66	15.3
R498066		3.32	0.008	0.21	8.20	21.8	2600	1.67	0.21	1.95	2.44	59.4	9.2	10	4.76	12.1
R498067		2.73	0.019	0.33	7.96	30.2	2430	1.70	0.27	1.76	3.00	57.4	8.3	12	6.93	14.9
R498068		2.90	0.009	0.30	8.07	38.4	2350	1.70	0.24	1.58	3.85	54.6	9.7	11	7.25	13.2
R498069		2.56	0.012	0.47	8.18	42.0	2640	1.83	0.33	1.82	4.04	59.6	10.4	15	6.73	32.4
R498070		2.97	0.010	0.33	8.12	32.0	2720	1.71	0.20	1.86	3.02	53.2	9.0	11	8.00	14.9
R498071		2.68	0.030	0.44	8.23	42.2	2480	1.78	0.35	2.06	4.52	68.1	10.5	21	6.94	19.4
R498072		2.63	0.009	0.34	8.14	34.8	2840	1.64	0.24	1.96	2.82	58.7	9.0	10	6.20	14.8
R498073		2.00	0.100	0.73	8.53	60.4	2560	1.89	0.65	1.31	5.88	60.4	10.8	14	9.40	24.7
R498074		2.23	0.069	0.83	8.68	62.1	2550	1.79	0.86	1.78	3.89	61.6	9.7	14	11.35	27.3
R498075		1.91	0.008	0.62	8.42	38.5	2140	1.86	0.26	1.76	5.00	56.0	11.3	11	7.13	16.5
R498076		6.03	<0.005	0.01	0.14	1.0	50	0.08	0.03	21.7	0.11	1.49	0.8	1	1.23	2.2
R498077		1.95	0.040	0.98	5.89	57.8	2480	1.19	0.58	1.07	5.72	53.8	9.4	14	5.30	18.7
R498078		2.32	0.027	0.62	8.32	57.3	2550	1.41	0.32	1.22	6.99	55.6	11.7	11	5.83	20.9
R498079		2.32	0.219	0.61	7.93	48.8	2840	1.51	0.48	1.21	5.24	51.2	10.0	10	6.20	23.3
R498080		2.02	0.031	0.49	8.27	39.8	2180	1.79	0.32	2.01	4.18	63.2	12.1	14	7.39	13.2
R498081		2.64	0.048	0.59	8.19	48.9	2610	1.67	0.44	1.37	3.60	58.8	8.4	11	7.96	43.8
R498082		1.37	0.037	0.60	8.30	38.2	2980	1.71	0.38	1.89	2.73	64.3	8.4	13	8.10	20.6
R498083		2.48	0.019	0.87	8.28	64.0	2730	1.74	0.62	1.58	7.13	57.2	8.6	11	11.45	34.5
R498084		1.63	0.017	0.64	8.19	49.9	2590	1.70	0.69	1.50	3.82	60.6	7.7	12	10.70	29.7
R498085		1.72	0.005	0.45	8.29	32.2	2890	1.77	0.30	1.67	3.50	63.7	8.0	10	10.70	17.6
R498086		1.86	0.014	0.64	8.27	70.0	2700	1.61	0.41	1.29	6.44	60.9	10.0	10	9.34	50.9
R498087		2.55	0.012	0.47	8.23	51.4	2670	1.77	0.28	1.43	7.59	63.9	9.6	12	8.31	33.8
R498088		1.89	0.031	0.57	8.48	82.8	2760	1.78	0.48	1.56	3.78	59.9	7.3	9	11.70	30.4
R498089		2.14	0.010	0.35	8.29	51.2	2800	1.90	0.19	1.62	3.54	55.9	6.7	9	11.15	21.9
R498090		1.53	0.071	1.44	8.95	334	1870	1.60	0.94	0.42	8.84	51.6	3.9	13	16.25	88.0
R498091		1.26	0.086	1.85	9.04	357	2210	1.47	0.96	0.37	10.00	51.3	6.3	13	17.10	105.5
R498092		1.61	0.142	3.19	7.73	821	2030	1.56	1.76	0.38	21.7	63.0	7.8	12	19.15	153.5
R498093		2.07	0.701	3.84	7.35	1045	1260	1.59	2.01	0.34	26.8	61.0	8.0	13	24.3	206
R498094		2.31	0.303	3.36	7.97	857	1200	1.46	1.77	0.28	21.8	68.0	8.0	11	16.40	207
R498095		1.77	0.284	3.30	7.66	720	3260	1.66	1.46	0.41	20.0	66.5	5.1	14	16.95	288
R498096		0.29	0.380	4.85	7.22	767	790	1.51	3.38	2.18	11.50	52.0	13.3	26	15.10	333
R498097		1.70	0.118	2.66	8.03	415	2220	1.59	1.03	0.44	14.40	64.6	6.3	14	17.45	209

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 24-JUN-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15083860

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
R498062		3.15	17.70	0.16	1.3	0.062	2.32	29.5	9.5	0.78	886	1.39	2.65	9.2	7.0	680
R498063		3.36	18.05	0.15	1.3	0.055	2.69	30.0	10.5	0.84	1260	1.26	2.67	9.0	7.5	680
R498064		3.42	19.20	0.19	1.4	0.066	2.65	32.1	10.3	0.79	967	1.20	2.69	9.7	7.0	700
R498065		2.93	18.25	0.17	1.3	0.099	2.16	26.2	11.6	0.81	2220	1.17	2.81	9.7	7.9	670
R498066		3.17	17.50	0.19	1.2	0.050	2.73	31.8	10.5	0.79	761	1.11	2.49	8.7	6.1	670
R498067		3.17	17.40	0.15	1.2	0.068	2.56	30.9	11.5	0.75	717	1.49	2.44	8.9	5.5	660
R498068		3.27	17.40	0.17	1.3	0.062	2.37	29.1	10.3	0.75	1020	4.26	2.64	8.7	5.1	680
R498069		3.59	17.95	0.16	1.4	0.084	2.55	31.5	12.0	0.86	1150	1.35	2.47	9.6	5.4	740
R498070		3.25	17.75	0.17	1.4	0.061	2.81	28.5	12.5	0.77	925	1.28	2.38	8.9	5.4	670
R498071		3.82	18.40	0.18	1.4	0.089	2.40	37.6	15.0	1.00	1120	1.13	2.38	8.9	7.5	840
R498072		3.55	17.95	0.16	1.3	0.062	2.81	31.9	11.3	0.82	804	1.06	2.46	9.2	5.6	690
R498073		3.39	18.95	0.17	1.4	0.096	2.96	32.7	16.0	0.79	1680	3.01	2.00	9.0	6.0	700
R498074		3.76	18.40	0.18	1.4	0.128	2.76	33.4	18.4	0.89	885	1.57	2.48	9.5	6.0	850
R498075		3.54	18.40	0.17	1.2	0.073	1.94	26.7	12.5	0.85	1460	2.29	2.94	8.7	5.2	750
R498076		0.52	0.51	0.24	<0.1	0.005	0.07	0.7	1.6	13.40	232	<0.05	0.02	0.5	1.7	210
R498077		2.64	13.90	0.24	0.9	0.060	2.08	30.5	19.4	0.54	1500	7.00	1.21	6.2	4.3	500
R498078		4.07	18.75	0.18	1.4	0.090	2.47	29.2	13.9	0.84	1780	2.30	2.31	8.1	6.2	780
R498079		2.83	17.20	0.19	1.2	0.079	2.50	27.6	12.2	0.54	1360	1.57	2.26	8.6	4.7	640
R498080		3.45	18.60	0.18	1.4	0.069	1.98	34.8	12.1	0.82	1160	1.59	2.97	9.6	5.3	700
R498081		3.26	18.35	0.20	1.3	0.114	2.76	33.0	16.0	0.72	762	1.35	2.37	9.0	4.3	670
R498082		3.55	18.00	0.21	1.5	0.077	2.98	32.3	16.9	1.03	834	1.40	2.75	9.2	5.6	840
R498083		3.60	18.40	0.20	1.4	0.094	2.75	29.0	18.0	0.93	1620	2.67	2.33	9.2	5.2	720
R498084		3.05	17.90	0.20	1.4	0.087	2.98	31.3	20.0	0.71	838	1.54	2.26	9.9	3.9	620
R498085		3.08	18.10	0.20	1.3	0.054	3.13	34.7	15.3	0.77	968	0.91	2.51	9.3	3.9	630
R498086		3.47	17.85	0.19	1.3	0.211	2.89	29.6	18.4	0.62	1700	2.58	1.63	9.2	4.3	680
R498087		3.33	18.10	0.22	1.3	0.089	2.71	32.9	15.2	0.70	1840	2.45	2.15	9.2	5.2	640
R498088		3.15	18.35	0.22	1.3	0.071	2.96	32.4	17.5	0.73	637	0.85	2.29	9.2	4.3	680
R498089		3.08	18.30	0.20	1.3	0.049	3.06	28.5	16.1	0.75	727	0.81	2.31	9.1	4.2	630
R498090		2.77	19.10	0.18	1.3	0.179	2.81	29.1	65.0	0.26	417	1.66	0.37	9.0	3.6	700
R498091		3.05	19.00	0.16	1.3	0.197	2.83	24.9	62.6	0.21	1060	2.14	0.32	9.2	3.6	660
R498092		3.47	16.85	0.16	1.1	0.487	2.56	36.2	113.5	0.24	1600	3.45	0.37	7.5	4.0	550
R498093		3.76	15.90	0.18	1.1	0.450	2.36	37.9	96.3	0.22	2090	4.31	0.21	7.4	4.6	520
R498094		3.19	16.95	0.13	1.1	0.377	1.77	40.1	141.5	0.17	1820	3.61	0.14	7.7	3.7	670
R498095		3.71	16.30	0.15	1.2	0.390	2.41	43.9	86.9	0.24	1120	3.54	0.30	7.7	4.7	640
R498096		5.40	16.55	0.11	1.2	0.327	3.17	29.4	26.9	0.83	2010	16.05	0.16	6.7	15.0	570
R498097		3.27	17.35	0.14	1.3	0.187	2.11	39.1	100.5	0.23	1020	3.43	0.33	8.8	4.8	690

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VANCOUVER BC V6B 1L8

Finalized Date: 24-JUN-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15083860

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
R498062		38.8	98.9	<0.002	0.01	2.99	10.7	1	2.0	393	0.69	0.05	14.0	0.287	0.97	2.7
R498063		32.3	105.5	<0.002	0.01	2.21	10.8	1	1.9	411	0.70	<0.05	14.9	0.278	1.03	2.8
R498064		41.0	117.5	<0.002	0.01	3.20	11.7	1	2.0	376	0.74	<0.05	16.2	0.287	1.19	3.0
R498065		50.4	93.5	<0.002	0.01	3.81	11.1	1	2.0	366	0.76	<0.05	15.0	0.287	1.07	3.6
R498066		35.0	108.0	<0.002	0.01	2.41	11.0	1	1.8	376	0.70	<0.05	15.0	0.276	1.07	2.7
R498067		43.2	107.0	<0.002	0.01	3.48	10.9	1	2.2	366	0.69	<0.05	14.6	0.281	1.06	2.8
R498068		52.3	101.5	<0.002	0.02	3.24	11.1	<1	2.1	366	0.71	<0.05	14.6	0.278	1.06	3.0
R498069		54.4	105.5	<0.002	0.02	3.96	12.2	1	2.1	381	0.74	<0.05	15.2	0.308	1.09	3.1
R498070		47.1	114.0	<0.002	0.01	2.58	10.7	1	1.8	373	0.70	<0.05	14.0	0.273	1.15	2.6
R498071		63.3	101.5	<0.002	0.02	4.47	13.1	1	2.3	402	0.69	<0.05	14.1	0.318	1.13	3.8
R498072		57.7	111.0	<0.002	0.01	2.72	11.5	1	1.9	386	0.69	<0.05	15.3	0.289	1.11	2.7
R498073		91.8	124.5	<0.002	0.01	6.62	11.7	1	2.1	274	0.71	<0.05	16.3	0.282	1.33	3.6
R498074		102.0	113.0	<0.002	0.01	6.76	12.4	1	2.7	395	0.73	<0.05	15.0	0.332	1.10	3.5
R498075		54.5	82.0	<0.002	0.04	3.56	12.7	1	2.8	438	0.66	<0.05	13.8	0.297	0.89	3.6
R498076		1.8	4.9	<0.002	<0.01	0.10	0.2	<1	0.2	53.7	<0.05	<0.05	0.2	0.005	0.04	0.7
R498077		62.2	94.2	<0.002	0.04	5.47	8.2	<1	1.3	204	0.48	0.50	11.6	0.204	1.08	3.0
R498078		79.1	113.5	<0.002	0.04	5.93	11.8	1	2.3	319	0.64	<0.05	12.8	0.298	1.24	3.9
R498079		68.5	108.5	<0.002	0.07	6.32	10.0	1	2.0	312	0.68	0.06	15.1	0.267	1.43	3.3
R498080		57.9	83.0	<0.002	0.05	3.40	11.7	1	2.2	419	0.74	<0.05	14.9	0.304	0.93	3.6
R498081		64.6	114.5	<0.002	0.01	6.20	11.1	1	2.0	344	0.72	<0.05	15.5	0.280	1.19	3.3
R498082		55.4	108.0	<0.002	0.01	4.19	11.7	1	2.6	429	0.71	<0.05	14.8	0.321	0.96	3.4
R498083		68.4	109.0	<0.002	0.05	7.31	11.6	1	2.2	401	0.73	<0.05	14.2	0.317	1.09	3.7
R498084		59.3	115.0	<0.002	0.01	7.49	10.0	1	2.1	353	0.86	<0.05	15.7	0.272	1.06	3.6
R498085		43.0	120.5	<0.002	0.01	4.22	10.3	1	1.9	392	0.76	<0.05	16.8	0.268	1.03	3.1
R498086		119.0	122.0	<0.002	0.01	14.40	11.3	1	2.2	266	0.71	<0.05	16.4	0.282	1.29	3.5
R498087		107.5	112.0	<0.002	0.01	7.88	10.8	1	2.1	323	0.74	<0.05	15.8	0.280	1.22	3.4
R498088		67.6	117.5	<0.002	0.01	5.89	10.4	1	1.8	359	0.74	<0.05	16.3	0.278	1.19	3.1
R498089		44.0	118.5	<0.002	<0.01	4.00	10.5	1	1.7	358	0.74	<0.05	15.4	0.265	1.07	2.6
R498090		142.5	139.0	<0.002	0.01	28.2	10.1	1	2.5	92.9	0.73	<0.05	17.4	0.277	1.69	4.9
R498091		161.5	125.5	<0.002	0.01	31.2	10.9	1	2.4	96.5	0.72	0.05	17.0	0.287	1.51	5.3
R498092		421	129.5	<0.002	0.04	58.1	10.3	1	2.7	136.5	0.60	0.07	15.1	0.238	1.86	6.4
R498093		453	128.5	<0.002	0.03	57.0	10.4	1	2.4	106.0	0.57	0.10	14.8	0.231	2.18	7.9
R498094		300	95.4	<0.002	0.03	55.6	10.6	1	2.6	212	0.59	0.18	15.7	0.243	1.65	6.5
R498095		294	124.0	<0.002	0.07	44.5	11.1	1	2.4	152.0	0.63	0.17	15.2	0.248	2.06	7.7
R498096		533	172.0	0.004	2.91	31.5	9.6	1	5.7	118.0	0.53	0.35	12.5	0.221	2.65	5.5
R498097		144.0	108.5	<0.002	0.05	41.0	11.7	1	2.3	187.0	0.69	0.05	15.9	0.278	1.77	6.9

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CERTIFICATE OF ANALYSIS WH15083860

Sample Description	Method Analyte Units LOR	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
R498062		75	1.5	18.9	174	35.7
R498063		75	1.6	19.1	159	36.5
R498064		76	1.6	18.9	215	38.5
R498065		73	1.3	17.4	255	33.7
R498066		74	1.5	17.9	172	32.6
R498067		75	1.6	18.0	217	33.0
R498068		75	1.7	17.1	242	36.4
R498069		82	1.6	19.8	280	36.5
R498070		75	1.4	17.9	234	37.2
R498071		100	1.6	20.6	315	44.0
R498072		78	1.6	20.2	236	35.5
R498073		79	1.8	18.5	423	39.1
R498074		93	1.8	20.0	400	41.2
R498075		86	1.2	18.2	315	33.9
R498076		2	0.1	1.0	23	0.5
R498077		67	1.3	13.8	325	27.9
R498078		94	2.0	17.6	460	41.9
R498079		68	1.7	15.1	362	33.0
R498080		81	1.6	18.8	318	37.2
R498081		77	1.5	16.8	392	35.5
R498082		94	1.1	20.0	301	42.5
R498083		87	1.7	18.7	449	40.9
R498084		69	1.3	18.8	349	33.9
R498085		69	1.0	18.5	277	33.9
R498086		74	2.5	17.9	540	35.0
R498087		74	1.9	17.1	541	35.2
R498088		72	1.4	16.9	378	33.7
R498089		69	0.9	17.3	454	32.1
R498090		74	2.4	15.4	854	34.2
R498091		78	2.8	15.3	892	33.0
R498092		67	2.9	17.4	1160	29.9
R498093		66	3.8	18.8	1590	29.0
R498094		66	5.7	21.2	1160	30.6
R498095		72	4.5	25.3	1390	31.4
R498096		70	5.9	13.3	949	33.4
R498097		73	5.2	22.7	1260	34.3

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VANCOUVER BC V6B 1L8

Project: KLAZA

Finalized Date: 24-JUN-2015
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH15083860

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

CRU-31	CRU-QC	LOG-21	LOG-23
PUL-31	PUL-QC	SPL-21	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	ME-MS61

ALS Canada Ltd.

2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 22-JUN-2015
Account: ROCKHA

CERTIFICATE WH15083861

Project: KLAZA

P.O. No.: TR-15-79b

This report is for 25 Rock samples submitted to our lab in Whitehorse, YT, Canada on 9-JUN-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test

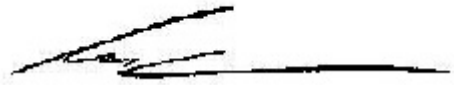
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 22-JUN-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15083861

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
R498037		3.96	0.005	0.22	7.62	30.5	2210	1.71	0.23	1.41	2.69	49.1	8.1	13	5.55	11.6
R498038		2.77	0.007	0.24	7.36	31.8	2550	1.60	0.22	1.36	7.11	58.0	11.9	13	4.81	15.1
R498039		3.37	0.022	0.34	7.65	34.9	2250	1.70	0.32	1.62	4.25	60.1	10.1	15	6.32	24.6
R498040		3.25	<0.005	0.23	7.84	28.3	2400	1.72	0.30	1.67	2.83	53.7	9.1	16	5.82	14.2
R498041		3.40	<0.005	0.27	7.82	24.1	2790	1.60	0.24	1.59	6.11	56.4	14.1	44	6.64	16.1
R498042		0.29	0.371	4.72	6.59	698	1150	1.47	3.45	1.95	10.75	48.2	12.1	25	13.00	311
R498043		2.59	0.007	0.17	7.71	32.9	2800	1.58	0.19	1.32	4.89	65.5	9.5	12	5.49	12.5
R498044		3.94	0.089	0.75	7.47	53.0	2380	1.66	0.94	1.37	5.51	52.2	9.8	11	5.00	21.0
R498045		4.09	0.048	0.24	7.57	32.5	2270	1.67	0.22	1.60	3.46	55.6	8.8	14	5.49	18.5
R498046		3.26	0.031	0.25	7.78	41.4	2370	1.64	0.32	1.58	2.69	55.0	8.9	15	6.26	23.2
R498047		2.93	0.327	0.17	7.93	241	2450	1.85	0.20	1.99	2.21	57.5	9.6	12	5.52	20.0
R498048		2.78	0.008	0.20	7.73	32.6	2280	1.67	0.29	1.47	2.34	55.6	10.0	14	5.23	18.1
R498049		3.53	0.005	0.15	7.63	24.7	2230	1.68	0.25	1.65	2.24	53.1	8.1	12	5.36	11.6
R498050		5.98	<0.005	<0.01	0.05	<0.2	30	0.05	0.06	19.25	0.08	1.17	1.0	1	0.19	1.5
R498051		2.72	<0.005	0.18	7.68	23.2	1840	1.80	0.20	1.58	2.28	57.5	9.6	11	4.49	12.8
R498052		2.79	0.054	0.26	7.56	28.4	2010	1.63	0.32	1.84	2.07	52.8	8.7	17	5.02	21.1
R498053		3.27	<0.005	0.16	7.69	29.9	2180	1.63	0.19	1.74	2.19	50.9	7.6	12	5.31	13.4
R498054		2.49	0.012	0.27	7.47	29.0	1980	1.57	0.32	1.29	4.68	51.3	8.4	15	5.85	16.3
R498055		3.95	0.005	0.22	7.60	25.7	2260	1.64	0.24	1.72	2.56	53.0	7.8	15	5.02	14.0
R498056		2.67	0.019	0.19	7.61	19.6	2250	1.68	0.18	1.57	3.35	55.0	8.3	13	6.17	16.1
R498057		2.22	0.020	0.24	7.42	29.9	2230	1.65	0.27	1.65	2.36	52.9	7.1	14	5.69	14.7
R498058		2.47	<0.005	0.25	7.35	23.3	2430	1.59	0.19	1.44	3.66	53.2	9.1	12	6.77	14.3
R498059		3.50	0.104	0.17	7.45	20.0	2420	1.59	0.21	1.82	3.06	52.9	9.3	12	5.67	11.5
R498060		3.34	0.035	0.14	7.45	25.5	2220	1.60	0.19	1.58	1.86	51.6	7.6	12	4.97	9.2
R498061		3.76	0.010	0.15	7.53	21.8	2620	1.66	0.24	1.73	1.93	50.6	9.9	17	5.34	10.6

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 22-JUN-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15083861

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
R498037		3.00	16.80	0.16	1.3	0.052	2.40	25.1	11.0	0.68	760	2.01	2.57	8.7	5.2	620
R498038		2.79	17.25	0.17	1.2	0.066	2.35	30.2	11.5	0.63	2190	1.50	2.30	8.1	7.5	630
R498039		2.98	17.35	0.19	1.4	0.069	2.44	31.5	15.4	0.68	1150	1.55	2.37	8.9	7.5	650
R498040		3.09	17.30	0.18	1.3	0.055	2.58	27.4	12.7	0.72	888	3.02	2.62	8.6	5.8	650
R498041		3.04	17.80	0.22	1.3	0.062	2.43	29.0	15.4	0.90	2060	1.50	2.52	8.2	16.5	620
R498042		4.89	16.05	0.15	1.1	0.289	2.95	26.7	27.2	0.76	1860	13.80	0.16	6.2	14.7	520
R498043		2.83	17.20	0.20	1.2	0.048	2.77	36.0	10.2	0.63	1620	1.62	2.33	8.0	5.8	620
R498044		3.21	17.25	0.19	1.3	0.080	2.33	26.8	13.7	0.76	1610	1.55	2.41	8.7	6.9	620
R498045		2.89	17.20	0.25	1.4	0.053	2.46	28.7	11.7	0.65	1260	6.12	2.43	8.6	6.9	640
R498046		3.18	17.65	0.20	1.4	0.071	2.50	28.0	13.4	0.75	984	1.18	2.57	8.8	6.9	680
R498047		3.65	18.50	0.21	1.4	0.065	2.52	29.5	12.3	0.91	860	2.10	2.70	10.0	6.3	740
R498048		3.00	17.35	0.18	1.3	0.060	2.59	27.9	13.9	0.71	915	1.37	2.44	8.8	7.5	640
R498049		2.94	17.15	0.22	1.3	0.060	2.37	27.5	13.4	0.70	809	1.38	2.50	8.5	7.6	620
R498050		0.44	0.31	0.09	<0.1	<0.005	0.02	0.6	1.0	12.10	201	0.15	0.01	0.1	1.9	190
R498051		2.79	17.50	0.21	1.3	0.067	1.88	29.8	11.0	0.72	786	1.36	2.84	8.8	7.0	640
R498052		2.95	17.15	0.22	1.3	0.071	2.26	27.8	14.4	0.74	657	1.17	2.44	9.0	6.6	640
R498053		3.00	16.85	0.24	1.2	0.054	2.39	26.6	11.9	0.69	617	1.24	2.55	8.3	6.4	620
R498054		2.89	16.45	0.23	1.4	0.070	2.21	26.8	14.7	0.72	1280	1.38	2.53	8.2	7.0	680
R498055		2.86	17.05	0.21	1.3	0.052	2.54	28.2	14.2	0.72	670	1.48	2.55	8.7	7.2	610
R498056		2.90	17.30	0.23	1.3	0.048	2.44	29.4	11.2	0.73	872	1.40	2.52	8.8	6.0	600
R498057		2.85	16.75	0.22	1.1	0.055	2.49	28.3	13.6	0.65	571	1.57	2.35	8.1	6.3	610
R498058		2.81	16.80	0.23	1.2	0.050	2.61	28.4	14.2	0.69	1170	1.50	2.42	8.1	5.8	630
R498059		2.86	16.90	0.21	1.2	0.055	2.55	27.1	14.4	0.74	1060	1.00	2.38	8.2	6.3	610
R498060		2.83	16.50	0.23	1.2	0.046	2.31	27.0	11.2	0.67	610	1.26	2.44	8.2	5.5	610
R498061		3.23	17.65	0.20	1.3	0.053	2.48	26.0	12.4	0.81	822	1.86	2.38	8.9	7.7	640

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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 22-JUN-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15083861

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
R498037		41.3	102.0	<0.002	0.02	2.36	10.7	1	2.2	348	0.72	<0.05	14.8	0.255	1.06	2.9
R498038		43.3	96.3	<0.002	0.02	2.95	10.4	1	2.0	332	0.65	<0.05	12.8	0.248	1.06	3.2
R498039		60.3	101.5	<0.002	0.01	3.20	11.5	1	2.2	346	0.73	<0.05	13.7	0.274	1.08	2.8
R498040		42.1	99.9	<0.002	0.01	2.46	10.9	1	2.1	383	0.68	<0.05	13.6	0.261	1.02	2.7
R498041		45.3	97.8	<0.002	0.03	2.95	11.9	1	2.0	375	0.61	<0.05	12.7	0.269	1.07	2.9
R498042		473	154.0	0.002	2.60	28.0	9.4	1	5.5	111.5	0.51	0.45	11.1	0.200	2.40	4.9
R498043		40.9	114.5	<0.002	0.02	2.57	10.3	1	1.9	346	0.64	<0.05	13.7	0.247	1.16	2.9
R498044		72.4	94.9	<0.002	0.02	5.51	12.0	1	2.1	342	0.64	<0.05	13.0	0.261	1.04	2.9
R498045		48.6	100.5	<0.002	0.01	2.38	10.5	1	1.8	351	0.70	<0.05	13.9	0.253	1.00	2.7
R498046		46.7	100.0	<0.002	0.02	3.16	11.2	1	2.1	378	0.71	<0.05	14.0	0.275	0.99	3.2
R498047		31.5	102.0	<0.002	0.01	2.35	13.9	1	2.3	403	0.78	<0.05	14.1	0.309	1.05	2.8
R498048		43.9	107.5	<0.002	0.02	2.80	11.0	1	2.0	360	0.70	<0.05	14.4	0.269	1.10	2.9
R498049		32.4	94.8	<0.002	0.02	3.03	11.0	1	1.9	379	0.69	<0.05	13.4	0.260	1.02	2.8
R498050		1.3	1.3	<0.002	<0.01	<0.05	0.2	<1	<0.2	48.5	<0.05	<0.05	<0.2	<0.005	<0.02	0.8
R498051		27.4	79.8	<0.002	0.03	2.68	11.3	1	2.6	389	0.74	<0.05	14.3	0.265	0.82	3.3
R498052		40.6	95.5	<0.002	0.01	2.68	11.2	1	2.0	378	0.67	<0.05	12.8	0.273	0.94	2.5
R498053		30.1	96.9	<0.002	0.01	2.21	10.6	1	2.0	370	0.65	<0.05	13.2	0.257	1.03	2.5
R498054		44.2	94.9	<0.002	0.01	3.20	10.7	1	2.1	320	0.66	<0.05	13.8	0.267	1.01	2.8
R498055		36.9	98.8	<0.002	0.01	2.53	10.9	1	2.0	381	0.70	<0.05	13.2	0.254	1.04	2.6
R498056		27.7	102.5	<0.002	0.01	2.10	11.3	1	2.0	347	0.68	<0.05	13.4	0.254	0.97	2.4
R498057		36.9	104.0	<0.002	0.01	2.73	10.4	1	1.9	365	0.64	<0.05	12.2	0.249	1.02	2.3
R498058		32.0	106.0	<0.002	0.01	2.50	10.4	1	1.8	344	0.64	<0.05	12.6	0.247	0.99	3.0
R498059		35.7	103.5	<0.002	0.01	1.66	10.7	1	1.9	367	0.65	<0.05	13.2	0.246	1.02	2.3
R498060		27.4	94.6	<0.002	0.01	3.06	10.4	1	1.9	361	0.67	<0.05	12.9	0.251	0.97	2.6
R498061		33.7	97.2	<0.002	0.01	2.50	12.0	1	2.0	386	0.67	<0.05	12.2	0.272	1.01	2.6

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 22-JUN-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15083861

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	V	W	Y	Zn	Zr
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	1	0.1	0.1	2	0.5
R498037		71	1.4	14.1	152	32.0
R498038		72	1.0	15.1	241	30.4
R498039		76	1.5	16.9	203	34.8
R498040		74	1.5	16.1	175	33.3
R498041		79	1.2	15.3	232	34.1
R498042		64	5.4	11.5	822	29.4
R498043		68	1.1	15.5	203	31.3
R498044		77	1.7	16.0	221	32.9
R498045		71	1.6	14.8	189	33.9
R498046		77	1.6	15.5	173	35.2
R498047		94	1.2	20.2	112	35.2
R498048		72	1.7	15.5	154	32.9
R498049		72	1.3	15.6	124	31.4
R498050		2	0.1	0.7	16	<0.5
R498051		75	1.3	16.1	134	31.7
R498052		74	1.4	17.2	152	33.3
R498053		72	1.4	15.5	153	30.6
R498054		77	1.3	14.8	184	36.4
R498055		70	1.5	16.5	154	33.4
R498056		73	1.1	15.7	177	34.2
R498057		69	1.3	15.3	167	28.3
R498058		70	1.4	14.9	180	31.3
R498059		68	1.2	16.5	152	30.4
R498060		69	1.3	14.3	129	29.7
R498061		78	1.4	16.0	148	34.4

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VANCOUVER BC V6B 1L8

Project: KLAZA

Finalized Date: 22-JUN-2015
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH15083861

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

CRU-31	CRU-QC	LOG-21	LOG-23
PUL-31	PUL-QC	SPL-21	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	ME-MS61

ALS Canada Ltd.

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Finalized Date: 23-JUN-2015
Account: ROCKHA

CERTIFICATE WH15083960

Project: Klaza

P.O. No.: Batch 2

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 9-JUN-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21d	Sample logging - ClientBarCode Dup
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
SPL-21d	Split sample - duplicate
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31d	Pulverize Split - duplicate

ANALYTICAL PROCEDURES

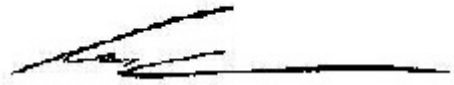
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Comments: Additional Au-AA24 check assay for samples R498715 and R498716 are 3.53 ppm and 2.09 ppm, respectively.

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
2103 Dollarton Hwy
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CERTIFICATE OF ANALYSIS WH15083960

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
R498701		7.03	0.072	0.36	6.83	63.4	820	1.35	0.61	2.26	1.66	42.7	5.5	11	18.55	96.7
R498702		3.24	0.046	0.44	6.36	46.4	540	1.10	1.10	2.03	3.92	42.8	13.0	9	16.85	85.3
R498703		6.68	0.065	0.79	7.65	76.9	520	1.72	1.24	1.18	10.20	54.4	7.2	11	22.4	451
R498704		7.15	0.025	0.38	6.70	22.6	420	1.31	0.95	2.18	2.92	40.5	6.4	10	18.10	47.5
R498705		2.53	0.025	0.37	7.27	20.6	500	1.38	0.95	2.26	3.20	47.4	6.6	10	19.05	45.7
R498706		3.35	0.036	0.41	7.33	42.2	1440	1.35	0.81	1.80	3.88	46.7	5.5	9	21.6	132.5
R498707		4.35	0.040	0.74	7.67	47.9	820	1.36	1.67	2.07	2.99	51.7	6.4	10	20.6	103.5
R498708		2.64	0.028	0.56	7.87	70.0	1180	1.60	0.91	1.42	7.39	51.9	7.9	11	21.5	578
R498709		4.74	0.020	0.41	6.95	29.3	2490	1.52	0.72	2.06	4.45	44.9	5.6	15	18.45	95.0
R498710		5.57	0.059	0.53	7.33	87.5	570	1.65	0.84	1.49	7.20	46.5	5.7	11	20.8	321
R498711		4.66	0.037	0.45	7.21	45.1	390	1.67	0.83	1.63	9.27	42.2	16.6	9	23.5	151.0
R498712		3.23	0.058	0.42	7.38	29.5	1450	1.43	0.95	2.05	1.12	46.8	6.8	11	20.8	88.6
R498713		4.31	0.040	0.53	7.30	50.7	1250	1.58	1.08	2.40	0.58	47.5	6.6	11	21.3	84.9
R498714		2.69	0.213	0.75	7.17	135.0	960	1.78	1.45	2.66	0.48	50.6	5.4	11	23.9	87.8
R498715		4.33	3.41	2.26	7.35	187.5	210	1.57	31.2	0.90	0.87	47.5	5.1	14	15.10	531
R498716		<0.02	2.05	2.50	7.41	193.5	230	1.68	29.9	0.91	0.88	48.8	5.3	17	16.10	551
R498717		6.48	0.139	1.78	6.87	96.7	440	1.55	7.04	1.57	8.78	59.5	11.5	10	16.90	334
R498718		0.34	0.375	4.58	6.55	647	370	1.46	3.28	1.93	10.85	49.8	12.6	23	13.45	312
R498719		3.34	0.319	8.56	6.41	420	280	1.25	15.55	1.36	8.17	43.0	5.6	9	9.77	1305
R498720		3.32	0.162	5.15	7.08	220	360	1.47	4.64	1.89	5.19	41.9	5.7	9	13.75	734
R498721		6.11	<0.005	0.02	0.07	<0.2	40	0.07	0.07	20.3	0.09	1.14	0.8	1	0.22	3.3
R498722		4.10	0.068	0.88	7.61	78.6	1120	1.53	1.45	2.00	2.37	43.0	8.5	10	20.4	138.5
R498723		1.90	0.052	0.68	7.62	95.9	740	1.65	0.86	2.07	1.94	52.6	4.3	7	19.00	88.6
R498724		2.12	0.360	2.11	7.08	221	320	1.46	2.69	1.20	1.20	46.1	4.9	8	14.00	178.5
R498725		2.97	0.076	0.24	7.02	106.0	1090	1.85	0.17	3.09	0.28	58.4	7.0	17	19.45	13.3
R498726		5.69	0.241	0.39	7.01	193.5	1390	1.75	0.15	3.13	0.26	55.4	7.8	16	15.20	18.6
R498727		5.33	0.085	0.26	7.11	155.5	1000	1.88	0.17	2.85	0.29	55.0	7.3	15	15.40	23.6
R498728		4.37	0.487	1.32	6.86	198.0	670	2.00	0.61	2.62	9.19	56.3	6.9	15	21.5	83.6
R498729		0.34	0.865	12.75	6.51	1450	760	1.46	12.60	1.78	34.4	47.6	18.6	18	14.30	291
R498730		2.33	6.85	14.10	5.41	515	340	0.90	23.0	0.99	26.4	36.5	4.8	9	4.06	665
R498731		6.09	<0.005	0.02	0.07	0.7	20	0.06	0.07	20.5	0.11	1.23	0.7	1	0.30	2.2
R498732		2.05	0.221	4.47	7.54	311	130	1.37	5.08	0.39	13.65	43.0	7.1	11	7.48	492
R498733		4.38	0.084	2.22	7.35	114.0	700	1.45	2.00	1.55	8.87	52.6	8.1	9	13.95	328
R498734		2.33	0.071	0.99	7.42	52.4	1210	1.54	1.36	1.63	1.54	49.5	6.8	11	20.0	49.1
R498735		2.55	0.062	0.67	7.31	60.8	1920	1.59	1.00	1.84	3.49	55.6	9.1	10	19.75	98.7
R498736		7.12	0.032	0.60	7.23	56.8	2010	1.55	0.46	2.24	0.78	50.4	5.7	11	23.4	64.1

Comments: Additional Au-AA24 check assay for samples R498715
and R498716 are 3.53 ppm and 2.09 ppm, respectively.

***** See Appendix Page for comments regarding this certificate *****

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CERTIFICATE OF ANALYSIS WH15083960

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
R498701		2.53	16.25	0.09	0.8	0.074	2.82	19.7	21.5	0.83	848	8.96	0.11	6.7	2.4	560
R498702		4.33	14.10	0.10	1.0	0.096	2.78	19.0	13.0	0.96	1650	11.50	0.04	4.2	2.6	460
R498703		3.42	17.05	0.10	1.0	0.133	3.19	26.0	17.2	0.66	1040	1.17	0.06	6.2	3.7	580
R498704		3.21	15.90	0.09	0.8	0.101	2.81	16.1	17.5	0.77	513	2.15	1.01	5.2	2.0	550
R498705		3.24	16.60	0.10	0.8	0.106	2.94	19.8	19.3	0.83	569	0.95	0.99	5.6	2.0	560
R498706		2.59	16.45	0.10	0.8	0.174	2.79	19.1	8.2	0.92	361	3.37	0.54	4.7	1.7	640
R498707		3.65	18.15	0.10	0.8	0.127	3.17	23.7	13.2	0.95	408	1.05	0.05	5.3	2.2	570
R498708		3.58	17.10	0.10	0.9	0.207	3.07	25.5	29.3	0.57	429	1.90	0.31	7.0	3.2	700
R498709		3.00	15.25	<0.05	0.9	0.081	2.81	21.6	16.6	0.61	620	2.79	1.41	6.5	5.7	560
R498710		2.84	16.25	<0.05	0.8	0.106	3.02	22.9	17.2	0.64	662	1.45	0.14	6.1	3.9	590
R498711		3.73	15.55	<0.05	0.8	0.095	2.96	18.9	11.4	0.67	872	3.04	0.08	5.4	2.8	550
R498712		2.94	17.75	<0.05	0.9	0.079	2.66	22.9	42.9	0.66	864	9.19	0.06	8.2	2.1	620
R498713		2.84	16.80	0.06	0.9	0.109	3.11	24.1	19.2	0.83	821	8.21	0.05	7.4	2.2	580
R498714		3.12	16.25	<0.05	0.9	0.085	3.33	27.8	9.6	1.12	2320	13.45	0.04	6.7	2.3	550
R498715		4.70	24.1	<0.05	0.9	0.241	3.49	23.3	6.8	0.56	235	1.59	0.06	5.7	2.8	550
R498716		4.72	24.9	<0.05	1.0	0.258	3.57	24.2	7.1	0.56	235	2.04	0.06	6.1	2.6	570
R498717		4.68	17.30	<0.05	1.0	0.123	3.20	32.3	8.3	0.74	726	1.64	0.04	5.3	2.6	520
R498718		4.90	15.60	<0.05	1.1	0.311	2.98	27.6	26.7	0.75	1880	15.25	0.15	6.1	14.6	520
R498719		5.47	23.6	<0.05	0.8	0.463	3.12	22.3	8.0	0.77	1060	1.64	0.05	3.5	2.2	480
R498720		4.93	19.35	<0.05	0.9	0.353	3.38	22.1	7.5	0.93	1960	1.30	0.05	4.9	2.3	560
R498721		0.47	0.27	0.10	<0.1	0.008	0.02	0.5	1.0	12.70	220	0.08	0.01	0.1	1.6	170
R498722		3.10	17.70	0.05	0.9	0.102	3.35	20.4	10.5	0.75	912	1.37	0.05	6.6	3.5	580
R498723		3.19	18.00	<0.05	0.8	0.193	3.57	25.2	7.1	0.99	1550	0.84	0.04	5.2	2.4	570
R498724		4.99	19.15	<0.05	1.0	0.248	3.56	21.8	10.2	0.74	1150	4.21	0.04	4.0	3.0	600
R498725		2.36	18.70	0.06	3.6	0.040	3.31	29.2	11.9	1.03	1240	2.09	0.04	10.3	6.7	990
R498726		2.50	18.65	0.06	3.5	0.039	3.49	26.9	11.8	1.06	1220	1.66	0.04	10.1	6.9	1020
R498727		2.19	18.70	0.05	3.4	0.037	3.41	27.6	11.4	1.04	1240	1.63	0.06	10.1	5.8	1000
R498728		2.33	17.95	0.07	3.3	0.098	3.10	29.0	14.9	1.00	2250	2.22	0.03	9.7	6.7	890
R498729		6.57	16.30	<0.05	1.1	0.828	2.88	24.8	20.0	0.75	1820	9.80	0.13	6.7	12.8	540
R498730		11.25	17.00	<0.05	0.7	1.075	2.59	19.2	6.5	0.60	895	2.45	0.05	2.8	1.9	390
R498731		0.49	0.25	0.09	<0.1	0.009	0.03	0.6	1.1	12.85	221	0.08	<0.01	0.2	1.4	180
R498732		5.90	21.1	<0.05	0.9	1.055	3.69	21.6	7.0	0.45	284	2.67	0.05	5.1	2.4	580
R498733		4.55	18.40	<0.05	0.9	0.242	3.49	28.5	6.4	0.89	1360	2.02	0.04	5.4	2.3	580
R498734		4.63	16.65	<0.05	1.0	0.211	3.49	26.9	7.1	1.01	1180	1.92	0.04	6.3	2.5	570
R498735		3.67	17.95	0.05	1.0	0.139	3.47	30.5	24.1	0.84	1050	2.64	0.07	6.4	2.5	540
R498736		2.87	16.15	0.06	1.0	0.082	3.54	27.2	28.5	0.83	815	2.00	0.16	7.4	2.3	550

Comments: Additional Au-AA24 check assay for samples R498715
and R498716 are 3.53 ppm and 2.09 ppm, respectively.

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	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
R498701		23.2	111.5	<0.002	1.38	8.32	10.0	1	3.1	70.9	0.55	0.05	12.0	0.215	2.53	3.6
R498702		40.9	175.0	0.002	3.76	5.60	9.5	2	3.4	51.5	0.34	0.15	12.5	0.149	2.92	3.3
R498703		47.9	183.0	<0.002	2.29	16.70	11.1	1	4.8	52.7	0.54	0.09	15.3	0.201	3.08	5.6
R498704		45.5	109.0	<0.002	2.48	3.39	9.7	1	3.7	255	0.42	0.09	10.1	0.186	2.29	3.6
R498705		46.0	130.0	<0.002	2.37	3.37	10.5	1	4.1	269	0.44	0.11	12.2	0.194	2.41	4.2
R498706		47.1	140.5	<0.002	1.56	3.74	10.1	1	3.2	133.0	0.38	0.11	14.3	0.164	2.39	4.6
R498707		58.7	158.5	<0.002	2.87	5.57	11.2	1	5.9	81.2	0.42	0.10	14.4	0.192	2.71	3.3
R498708		30.0	137.0	<0.002	1.78	5.34	12.2	2	3.7	126.5	0.52	0.07	14.9	0.227	2.09	8.2
R498709		39.4	119.5	<0.002	1.03	2.91	10.0	1	2.5	327	0.53	<0.05	11.5	0.223	1.79	4.1
R498710		35.3	161.0	<0.002	1.80	9.49	10.3	1	2.8	95.1	0.48	0.08	12.2	0.207	2.76	5.4
R498711		40.1	143.0	<0.002	2.44	10.65	10.0	1	3.5	69.2	0.44	0.08	12.0	0.184	2.29	5.7
R498712		20.1	107.0	0.002	0.60	19.80	10.9	1	3.9	122.0	0.61	0.06	10.6	0.262	1.92	3.5
R498713		31.3	154.0	<0.002	0.93	9.69	10.8	1	3.1	101.5	0.55	0.09	11.1	0.244	2.70	4.9
R498714		32.4	213	0.003	2.11	12.60	10.1	1	4.1	68.7	0.52	0.14	12.0	0.223	3.91	6.0
R498715		52.5	179.0	<0.002	4.57	18.10	10.5	2	14.5	39.3	0.45	2.15	11.9	0.187	2.56	3.3
R498716		53.8	186.0	<0.002	4.62	19.25	10.9	1	15.3	40.6	0.49	1.84	12.5	0.197	2.71	3.3
R498717		97.5	180.0	<0.002	3.95	11.40	9.7	1	8.0	57.5	0.44	2.02	11.9	0.187	3.04	4.0
R498718		468	170.5	0.005	2.63	27.8	9.4	1	5.4	109.5	0.49	0.32	10.6	0.205	2.47	4.9
R498719		191.0	182.5	<0.002	5.42	23.7	9.0	2	19.1	29.4	0.28	5.25	10.8	0.140	2.41	2.9
R498720		118.5	245	<0.002	4.26	24.2	10.2	1	9.8	35.8	0.40	1.35	11.5	0.185	3.46	3.3
R498721		1.8	1.5	<0.002	<0.01	0.13	0.2	<1	<0.2	51.2	<0.05	<0.05	<0.2	<0.005	<0.02	0.8
R498722		32.5	179.0	<0.002	1.70	6.91	10.6	1	3.8	75.7	0.53	0.36	11.5	0.225	3.30	5.5
R498723		43.8	223	<0.002	2.40	7.20	10.8	1	4.7	67.3	0.41	0.09	12.0	0.194	4.23	5.2
R498724		60.6	253	<0.002	4.77	18.40	8.8	1	11.7	91.5	0.30	0.23	10.4	0.153	3.40	5.0
R498725		14.0	162.5	<0.002	0.80	10.05	7.1	1	1.7	279	0.72	<0.05	9.0	0.282	3.28	4.1
R498726		22.0	166.5	<0.002	1.08	11.30	6.7	<1	1.7	199.0	0.69	<0.05	8.6	0.279	3.42	3.9
R498727		13.8	167.5	<0.002	0.78	11.00	6.9	1	3.0	213	0.69	<0.05	9.1	0.278	3.25	4.1
R498728		312	171.0	<0.002	1.41	19.95	7.1	1	2.2	404	0.65	<0.05	9.0	0.272	2.92	4.9
R498729		1310	179.0	<0.002	4.63	66.5	9.7	2	8.1	100.0	0.54	1.22	11.2	0.211	2.68	5.2
R498730		855	128.0	<0.002	>10.0	26.8	7.3	3	14.5	21.7	0.22	0.85	9.0	0.107	1.47	2.4
R498731		2.6	1.8	<0.002	0.01	0.11	0.2	<1	<0.2	49.3	<0.05	<0.05	<0.2	<0.005	0.02	0.7
R498732		130.0	184.5	<0.002	6.16	14.80	9.9	1	18.7	13.1	0.41	1.38	12.3	0.181	2.58	3.2
R498733		308	196.0	<0.002	2.46	9.13	10.1	1	7.3	67.4	0.43	0.39	13.0	0.196	3.36	4.8
R498734		119.5	208	<0.002	1.75	4.89	10.2	1	5.9	151.5	0.50	0.16	12.7	0.213	3.09	6.2
R498735		78.2	188.0	<0.002	1.36	5.15	10.3	1	5.3	148.5	0.52	0.17	13.4	0.214	3.16	6.8
R498736		47.7	167.5	<0.002	0.70	7.70	10.3	<1	3.0	149.5	0.57	0.06	13.0	0.230	2.79	4.6

Comments: Additional Au-AA24 check assay for samples R498715
and R498716 are 3.53 ppm and 2.09 ppm, respectively.

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 23-JUN-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15083960

Sample Description	Method Analyte Units LOR	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
R498701		64	3.0	12.1	102	22.6
R498702		62	3.1	13.6	247	19.1
R498703		66	3.2	15.6	323	25.1
R498704		68	2.4	12.8	207	22.3
R498705		67	2.6	14.9	240	23.5
R498706		54	2.8	14.1	186	22.5
R498707		65	4.2	14.8	134	22.9
R498708		68	3.2	15.9	383	25.1
R498709		65	2.3	14.2	260	23.6
R498710		64	2.8	13.3	196	22.5
R498711		65	2.2	15.7	366	20.2
R498712		70	2.4	13.4	137	22.4
R498713		69	2.4	12.8	106	23.7
R498714		64	4.2	12.5	82	24.2
R498715		64	7.4	12.6	94	25.3
R498716		65	7.8	13.2	95	25.9
R498717		59	4.8	13.2	315	25.7
R498718		66	5.3	11.7	858	30.4
R498719		55	7.8	9.5	537	22.0
R498720		65	6.2	12.7	447	23.5
R498721		2	0.1	0.7	20	0.5
R498722		92	2.3	14.9	172	24.3
R498723		73	3.2	13.2	196	22.2
R498724		69	7.4	9.2	112	31.4
R498725		63	3.7	13.0	67	139.5
R498726		61	3.4	12.2	82	136.0
R498727		62	3.6	12.4	81	135.5
R498728		60	4.3	12.9	816	132.0
R498729		63	6.1	12.1	2380	31.3
R498730		49	19.1	10.0	1800	16.8
R498731		2	0.1	0.8	20	0.5
R498732		67	20.2	11.3	916	23.2
R498733		64	7.1	11.1	670	23.8
R498734		67	5.2	12.7	244	23.6
R498735		64	3.5	14.0	338	25.2
R498736		65	2.8	13.5	122	25.4

Comments: Additional Au-AA24 check assay for samples R498715 and R498716 are 3.53 ppm and 2.09 ppm, respectively.

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: Klaza

Finalized Date: 23-JUN-2015
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH15083960

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

CRU-31	CRU-QC	LOG-21	LOG-21d
LOG-23	PUL-31	PUL-31d	PUL-QC
SPL-21	SPL-21d	WEI-21	

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	ME-MS61

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 27-JUN-2015
Account: ROCKHA

CERTIFICATE WH15086964

Project: KLAZA

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 15-JUN-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21d	Sample logging - ClientBarCode Dup
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
SPL-21d	Split sample - duplicate
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31d	Pulverize Split - duplicate

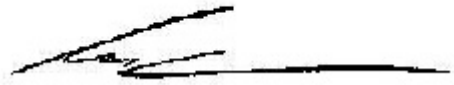
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Zn-OG62	Ore Grade Zn - Four Acid	VARIABLE
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 27-JUN-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15086964

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
R498201		4.39	<0.005	0.08	7.37	4.9	2230	1.55	0.18	2.49	0.15	50.6	6.7	11	10.90	13.6
R498202		2.14	0.019	2.41	7.17	179.0	1850	1.49	0.32	2.28	13.00	46.6	6.2	10	14.45	29.4
R498203		8.43	<0.005	0.16	7.33	11.4	2190	1.54	0.28	2.65	0.54	47.6	8.0	11	12.40	18.4
R498204		4.53	<0.005	0.08	7.57	9.2	2290	1.40	0.23	2.66	0.17	49.9	7.3	12	11.90	14.2
R498205		3.07	0.008	2.58	8.40	276	2120	1.22	0.35	1.02	6.22	57.8	7.8	9	15.75	23.2
R498206		7.47	<0.005	0.07	7.35	6.6	2240	1.65	0.16	2.42	0.27	45.8	6.8	10	16.75	13.6
R498207		3.59	<0.005	22.3	7.95	88.5	3030	1.01	0.18	1.22	8.26	46.4	6.4	8	19.75	23.2
R498208		1.88	<0.005	24.9	7.59	94.5	2970	1.07	0.17	1.37	13.70	41.9	6.4	8	18.70	28.0
R498209		8.39	<0.005	0.18	7.47	7.1	2260	1.52	0.15	2.46	0.31	53.7	7.1	10	18.40	13.3
R498210		9.31	<0.005	1.45	7.34	19.0	2210	1.79	0.15	2.65	2.03	48.1	7.2	12	17.00	13.7
R498211		2.46	0.061	5.52	7.65	458	1170	1.46	1.32	1.08	10.30	54.3	5.4	9	17.65	83.5
R498212		2.87	0.129	5.38	7.62	624	1070	1.45	0.97	1.33	5.90	52.2	6.5	8	20.2	21.5
R498213		5.24	0.006	0.22	7.89	105.5	1790	1.52	0.22	1.54	0.48	44.7	6.5	10	19.85	11.8
R498214		2.45	0.120	5.43	5.95	308	1800	1.37	0.18	2.06	3.21	43.2	6.1	10	19.45	9.9
R498215		6.10	<0.005	0.01	0.09	0.3	30	0.09	0.02	20.3	0.08	1.36	0.6	1	0.43	1.6
R498216		2.32	0.020	1.73	7.82	65.6	620	1.52	0.31	1.61	0.22	53.0	7.6	9	29.0	12.2
R498217		5.06	<0.005	0.15	8.28	7.5	1870	1.36	0.38	0.97	0.23	54.9	7.0	9	19.65	12.5
R498218		2.87	0.011	0.91	7.46	47.2	4290	1.58	0.20	1.59	1.20	47.3	7.4	8	30.0	7.2
R498219		9.58	0.007	0.60	8.02	61.9	2230	1.19	0.17	1.22	2.18	54.9	6.9	10	19.20	11.8
R498220		1.86	0.427	14.10	5.71	2160	5460	1.08	1.01	1.39	23.3	38.5	6.5	12	12.50	39.4
R498221		0.34	0.886	12.15	6.55	1560	1300	1.40	12.40	1.81	30.7	44.4	17.0	19	14.45	282
R498222		2.91	0.235	35.0	4.65	2420	2250	1.33	0.14	1.43	117.0	35.2	7.6	8	19.25	57.9
R498223		2.56	0.007	3.04	7.53	117.0	440	1.50	0.19	1.99	27.5	51.0	6.0	8	21.5	19.4
R498224		<0.02	0.007	3.20	7.64	116.0	430	1.46	0.21	2.00	26.4	45.9	6.1	9	21.2	17.9
R498225		3.88	<0.005	0.17	7.35	16.9	2050	1.47	0.51	2.38	0.33	51.2	7.2	14	11.75	12.9
R498226		0.34	0.354	4.49	6.51	709	450	1.32	2.97	2.02	10.10	44.5	11.6	27	14.00	308
R498227		8.60	0.055	2.56	6.89	264	1010	1.47	0.16	1.80	4.52	51.1	6.0	10	23.2	15.9
R498228		3.36	0.212	5.07	7.40	763	1630	1.41	0.17	2.64	11.05	55.7	8.1	10	14.80	14.3
R498229		6.20	0.011	0.35	7.95	31.2	1980	1.56	0.42	2.46	0.93	56.0	6.7	9	13.00	23.2
R498230		1.19	0.703	5.69	6.20	2560	300	1.45	0.54	1.19	142.5	43.8	7.3	9	15.45	103.5
R498231		6.18	<0.005	0.01	0.11	<0.2	50	0.08	0.02	20.5	0.10	1.14	0.6	2	0.52	2.4
R498232		7.91	0.132	1.76	7.87	250	2320	1.26	0.36	1.65	3.34	50.4	6.5	9	15.20	56.1
R498233		4.65	0.305	23.0	7.06	466	1640	1.35	0.65	1.90	16.45	50.5	5.7	8	15.70	66.9
R498234		2.05	0.005	0.41	8.20	28.3	1470	1.33	0.46	1.40	0.48	51.7	5.2	9	18.25	17.2
R498235		6.56	0.005	0.15	7.82	23.0	1430	1.09	0.21	0.68	0.32	62.9	5.8	8	11.95	18.4
R498236		6.75	0.018	0.56	6.80	35.7	1580	1.15	1.05	1.83	0.28	58.4	13.3	8	10.70	53.9

***** See Appendix Page for comments regarding this certificate *****

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 27-JUN-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15086964

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
R498201		2.98	16.50	0.08	1.4	0.043	2.78	25.9	14.2	0.68	739	1.28	2.25	7.9	2.7	570
R498202		3.50	16.15	0.07	1.3	0.081	2.96	24.3	22.0	0.55	1340	1.67	1.20	7.7	2.6	530
R498203		3.07	16.60	0.07	1.4	0.053	2.84	24.2	16.0	0.71	905	1.71	2.19	8.1	2.7	580
R498204		3.22	17.65	0.07	1.3	0.048	2.94	25.2	14.0	0.77	717	2.18	2.40	8.2	2.9	610
R498205		3.55	17.95	0.09	1.4	0.072	3.19	31.7	29.2	0.38	840	2.44	0.35	8.6	2.9	680
R498206		3.16	17.20	0.06	1.4	0.044	2.91	23.0	18.8	0.63	621	1.59	2.19	8.2	2.6	600
R498207		2.85	16.50	0.07	1.4	0.047	2.95	24.3	53.2	0.31	776	1.75	0.17	8.0	2.3	590
R498208		2.75	16.40	0.08	1.4	0.047	2.87	21.6	53.9	0.32	780	1.64	0.17	7.7	2.0	570
R498209		3.01	17.55	0.08	1.4	0.043	2.98	28.9	22.4	0.71	687	4.19	2.27	8.3	2.6	570
R498210		3.19	17.10	0.09	1.6	0.039	3.00	23.9	14.5	0.61	796	1.92	2.05	8.3	2.6	590
R498211		3.41	15.90	0.08	1.4	0.228	3.59	30.2	42.9	0.38	1580	2.07	0.22	7.9	2.2	470
R498212		3.80	16.55	0.08	1.3	0.117	3.13	28.4	59.9	0.54	1560	2.38	0.05	7.7	2.6	550
R498213		3.19	16.75	0.07	1.3	0.060	3.13	22.9	37.6	0.60	1300	1.85	0.08	8.1	2.6	620
R498214		3.67	13.50	0.07	1.1	0.048	2.59	23.7	26.0	0.74	2610	2.42	0.03	6.3	2.5	430
R498215		0.48	0.26	<0.05	<0.1	0.005	0.04	0.7	1.4	12.65	212	0.08	0.01	0.2	1.3	170
R498216		2.81	16.65	0.08	1.2	0.041	3.06	28.0	107.0	0.63	1170	2.25	0.05	8.1	3.0	640
R498217		3.16	18.15	0.07	1.3	0.042	2.84	28.3	37.2	0.54	1020	2.38	0.09	8.8	2.4	680
R498218		3.18	16.15	0.07	1.1	0.056	3.26	24.4	21.2	0.64	2240	2.42	0.03	7.6	2.7	590
R498219		3.19	17.00	0.09	1.4	0.065	3.20	29.0	35.8	0.54	1320	2.10	0.08	8.7	2.6	660
R498220		4.26	13.25	0.07	1.0	0.235	2.59	20.4	19.3	0.53	2150	2.22	0.02	5.9	2.9	420
R498221		6.50	15.95	0.08	1.0	0.795	2.91	23.1	19.7	0.76	1700	8.52	0.13	6.4	12.3	520
R498222		3.37	11.50	0.07	0.8	0.035	1.97	18.0	26.7	0.50	1840	50.5	0.02	4.8	3.1	300
R498223		3.08	15.75	0.07	1.3	0.055	2.67	27.5	96.1	0.79	1570	1.31	0.03	7.6	2.4	590
R498224		3.15	16.30	0.06	1.4	0.050	2.75	23.1	95.8	0.80	1640	1.44	0.03	8.0	2.5	610
R498225		3.08	16.60	0.08	1.3	0.053	2.80	25.7	17.2	0.71	906	1.45	1.82	8.2	2.7	580
R498226		4.89	15.55	0.08	1.0	0.303	2.98	24.6	25.3	0.76	1900	12.25	0.15	6.1	14.2	520
R498227		3.20	15.30	0.09	1.1	0.060	2.48	28.6	227	0.66	2040	4.31	0.05	7.2	2.7	550
R498228		3.89	17.25	0.09	1.3	0.115	3.11	29.3	15.3	0.69	2070	2.94	1.26	8.3	2.9	590
R498229		3.57	17.35	0.10	1.1	0.096	2.89	31.1	24.7	0.76	1040	1.60	0.99	8.5	2.7	680
R498230		4.47	15.20	0.07	0.9	0.231	2.86	22.3	26.1	0.53	2030	2.88	0.03	6.5	2.9	500
R498231		0.49	0.29	<0.05	<0.1	0.005	0.05	0.5	1.6	12.75	219	0.24	0.01	0.2	1.3	190
R498232		3.44	16.95	0.07	1.2	0.088	3.13	25.4	36.5	0.71	1500	1.28	0.08	8.3	2.6	680
R498233		3.44	15.50	0.06	1.0	0.183	2.93	28.0	38.5	0.69	1880	2.74	0.07	7.3	2.5	570
R498234		3.18	17.00	0.06	1.1	0.071	3.32	27.5	59.9	0.64	1360	1.68	0.09	7.8	2.5	620
R498235		2.94	15.40	0.07	1.1	0.057	2.57	35.0	44.0	0.54	791	1.49	0.08	8.1	2.1	630
R498236		2.80	14.20	0.07	1.3	0.083	2.74	32.6	42.6	0.67	767	1.80	0.07	6.7	2.1	480

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
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www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 27-JUN-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15086964

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
R498201		18.5	110.0	<0.002	0.01	2.34	10.6	<1	2.0	351	0.64	<0.05	15.2	0.245	1.07	2.3
R498202		413	137.5	<0.002	0.52	11.60	10.0	1	2.1	198.5	0.64	<0.05	14.0	0.228	1.65	3.2
R498203		21.7	112.5	<0.002	0.03	2.49	10.4	1	2.1	344	0.66	<0.05	14.5	0.251	1.09	3.0
R498204		19.6	117.5	<0.002	0.01	1.92	10.7	1	1.8	390	0.61	<0.05	14.2	0.260	1.17	3.3
R498205		386	144.0	<0.002	0.18	23.7	11.7	1	2.5	90.3	0.66	<0.05	16.6	0.282	1.45	3.5
R498206		16.1	107.0	<0.002	<0.01	4.30	10.3	1	1.9	355	0.63	<0.05	13.0	0.258	1.08	2.6
R498207		2790	126.5	<0.002	0.14	51.6	10.2	<1	2.5	99.1	0.66	<0.05	14.6	0.252	1.34	5.0
R498208		2690	115.5	<0.002	0.14	51.1	9.8	1	2.2	103.0	0.61	<0.05	12.7	0.246	1.26	4.1
R498209		28.3	130.0	<0.002	0.01	3.59	10.8	1	2.2	356	0.64	<0.05	16.2	0.251	1.16	4.1
R498210		217	119.0	<0.002	0.07	5.20	10.9	1	1.8	326	0.68	<0.05	14.4	0.253	1.37	3.4
R498211		631	189.5	<0.002	1.06	25.6	9.6	<1	7.0	76.7	0.63	<0.05	14.5	0.249	2.38	4.8
R498212		212	168.5	<0.002	1.46	30.5	10.6	1	2.5	103.0	0.58	<0.05	14.8	0.253	2.52	5.7
R498213		23.8	137.0	<0.002	0.23	20.6	10.5	<1	2.0	81.6	0.62	<0.05	13.0	0.254	2.07	3.8
R498214		74.9	159.0	<0.002	2.25	33.8	8.6	1	1.5	66.8	0.51	<0.05	11.3	0.197	3.00	5.3
R498215		1.3	2.2	<0.002	<0.01	0.09	0.2	1	<0.2	48.3	<0.05	<0.05	<0.2	<0.005	<0.02	0.6
R498216		22.7	152.5	<0.002	0.57	19.80	11.3	<1	1.9	86.1	0.61	<0.05	14.3	0.267	2.84	6.0
R498217		17.0	129.5	<0.002	0.09	18.85	11.8	1	1.9	69.0	0.66	<0.05	15.7	0.285	1.54	3.2
R498218		52.7	169.0	<0.002	1.11	20.3	10.2	1	2.0	115.5	0.57	0.05	12.3	0.250	3.26	6.4
R498219		99.5	148.0	<0.002	0.37	21.3	11.6	1	1.9	80.4	0.71	<0.05	15.2	0.273	1.98	6.2
R498220		1335	160.5	<0.002	3.26	53.1	8.2	<1	3.8	145.0	0.46	<0.05	10.1	0.186	2.39	5.2
R498221		1265	165.0	<0.002	4.58	66.2	9.3	1	7.8	97.8	0.50	1.07	11.6	0.205	2.43	5.4
R498222		3250	119.0	0.002	2.48	139.0	6.4	1	2.4	85.6	0.38	<0.05	8.9	0.152	2.37	27.6
R498223		458	136.5	<0.002	0.45	18.45	9.9	1	2.2	193.0	0.62	<0.05	14.3	0.251	2.27	5.7
R498224		473	131.5	<0.002	0.46	19.30	10.1	<1	2.0	191.5	0.66	<0.05	13.4	0.255	2.38	5.9
R498225		28.4	110.5	<0.002	0.05	4.51	10.4	1	1.9	303	0.64	<0.05	14.0	0.254	1.24	4.9
R498226		481	149.0	0.002	2.67	26.9	8.9	1	5.3	108.0	0.47	0.35	11.3	0.208	2.33	5.1
R498227		298	135.0	<0.002	0.96	36.2	9.3	1	2.4	157.0	0.57	<0.05	14.6	0.227	1.68	7.3
R498228		886	145.5	<0.002	1.42	11.15	12.5	1	2.4	237	0.63	<0.05	14.9	0.280	1.75	4.9
R498229		64.6	134.5	<0.002	0.18	10.85	11.7	<1	1.9	226	0.63	0.11	15.5	0.289	1.42	4.8
R498230		1020	146.0	<0.002	2.89	47.0	9.3	<1	4.4	58.2	0.51	0.07	11.0	0.213	2.34	9.9
R498231		1.6	2.6	<0.002	<0.01	0.07	0.2	1	<0.2	50.4	<0.05	<0.05	<0.2	<0.005	0.02	0.7
R498232		216	138.0	<0.002	0.51	21.8	11.4	<1	2.4	99.0	0.62	<0.05	12.9	0.278	1.84	4.2
R498233		1570	160.0	<0.002	1.21	59.8	9.6	1	2.6	99.3	0.55	<0.05	13.6	0.240	2.08	4.7
R498234		31.3	144.5	<0.002	0.25	15.30	10.6	1	2.2	110.0	0.59	<0.05	13.3	0.266	2.16	3.6
R498235		25.8	114.0	<0.002	0.09	29.5	10.0	1	2.0	67.3	0.56	<0.05	15.1	0.274	1.12	3.4
R498236		18.1	115.5	<0.002	0.65	24.3	7.7	1	1.6	103.5	0.59	0.40	16.3	0.200	1.56	4.1

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 27-JUN-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15086964

Sample Description	Method / Analyte / Units / LOR	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Zn-OG62 Zn % 0.001
R498201		67	2.0	18.2	55	40.5	
R498202		62	4.2	17.4	888	39.7	
R498203		67	3.0	18.3	89	40.6	
R498204		72	2.9	18.1	52	41.9	
R498205		77	6.9	19.5	450	42.7	
R498206		72	2.8	17.7	66	41.8	
R498207		68	7.4	16.1	561	40.6	
R498208		66	6.9	15.1	713	45.1	
R498209		67	3.0	19.9	62	41.9	
R498210		70	3.4	18.0	161	46.0	
R498211		63	10.5	14.4	1340	41.3	
R498212		69	5.4	13.5	679	38.2	
R498213		71	5.4	14.8	140	38.1	
R498214		56	8.5	12.3	268	32.6	
R498215		2	0.1	0.8	18	0.7	
R498216		74	14.0	14.0	81	35.2	
R498217		78	10.6	17.9	72	37.4	
R498218		71	5.8	11.4	126	32.1	
R498219		74	9.2	17.4	266	39.8	
R498220		57	7.5	9.9	1980	27.2	
R498221		62	5.9	10.8	2300	30.5	
R498222		47	3.5	10.3	6700	23.0	
R498223		68	4.8	13.5	1700	37.9	
R498224		69	5.0	13.1	1620	39.2	
R498225		68	2.6	18.1	72	38.1	
R498226		66	5.4	11.0	869	30.5	
R498227		63	4.7	14.3	515	32.8	
R498228		80	2.7	18.7	1320	39.6	
R498229		78	4.4	18.5	138	30.1	
R498230		65	3.7	11.8	>10000	23.3	1.645
R498231		2	0.1	0.7	20	<0.5	
R498232		77	6.1	18.0	380	35.5	
R498233		65	4.5	14.4	1600	29.0	
R498234		74	4.1	16.2	80	32.2	
R498235		70	8.8	15.5	59	30.1	
R498236		56	3.2	13.3	49	35.9	

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: KLAZA

Finalized Date: 27-JUN-2015
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH15086964

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

Applies to Method:				
	CRU-31	CRU-QC	LOG-21	LOG-21d
	LOG-23	PUL-31	PUL-31d	PUL-QC
	SPL-21	SPL-21d	WEI-21	

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:				
	Au-AA24	ME-MS61	ME-OG62	Zn-OG62

ALS Canada Ltd.

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 26-JUN-2015
Account: ROCKHA

CERTIFICATE WH15086976

Project: KLAZA

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 15-JUN-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21d	Sample logging - ClientBarCode Dup
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
SPL-21d	Split sample - duplicate
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31d	Pulverize Split - duplicate

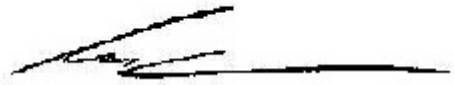
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 26-JUN-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15086976

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-AA24 Au ppm 0.005	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05	ME-MS61 Cu ppm 0.2
R498737		2.17	0.053	4.34	7.41	174.0	1320	1.52	2.87	1.14	11.40	37.6	6.2	7	9.12	945
R498738		7.30	0.014	0.54	7.87	22.9	2290	1.78	0.73	1.98	4.86	55.8	7.0	10	18.50	80.3
R498739		2.14	0.049	1.21	7.44	139.0	1380	1.42	1.22	2.78	8.61	53.0	8.7	7	19.50	244
R498740		1.98	0.033	1.40	8.36	49.3	2040	2.37	1.91	0.80	18.30	55.5	13.4	8	15.80	447
R498741		10.73	0.036	0.41	7.41	14.3	2120	1.40	0.77	2.20	1.87	48.7	6.0	9	15.60	40.6
R498742		7.08	0.082	1.18	7.84	25.6	1330	1.47	2.77	1.65	1.13	54.7	6.1	9	15.90	375
R498743		3.88	0.065	2.67	7.69	34.8	1530	1.57	4.28	1.48	3.53	53.2	7.3	9	18.50	290
R498744		3.02	0.028	0.54	7.83	11.5	3570	1.38	1.07	2.06	0.77	52.4	7.4	10	14.95	93.7
R498745		6.39	0.015	0.53	7.79	12.1	1690	1.48	0.94	1.94	3.08	47.6	6.9	9	11.55	102.5
R498746		<0.02	0.017	0.62	7.78	11.5	2210	1.48	0.95	1.92	3.25	51.1	6.5	9	11.60	100.0
R498747		2.32	0.360	1.86	7.67	101.0	980	1.57	2.57	1.58	15.25	47.2	14.9	8	17.55	297
R498748		7.01	0.027	0.58	7.70	16.8	2710	1.63	0.67	2.03	3.76	51.8	7.1	9	20.3	37.8
R498749		2.44	0.068	4.99	7.72	92.1	1770	1.86	7.75	1.33	1.50	60.2	6.3	8	17.60	201
R498750		5.31	0.240	1.83	7.85	119.0	1350	1.55	2.93	1.19	1.56	52.9	6.6	9	13.85	130.0
R498751		3.03	0.751	3.39	7.30	312	800	1.38	8.49	0.22	2.28	27.1	7.6	9	6.03	299
R498752		4.24	0.470	1.78	7.74	167.0	890	1.04	4.57	0.73	3.49	54.9	5.6	9	8.20	118.5
R498753		4.16	0.032	0.17	8.21	20.1	1910	1.36	0.68	1.47	5.49	55.0	10.1	9	16.40	69.4
R498754		5.68	0.033	0.24	7.71	13.5	2540	1.45	0.94	2.03	1.06	52.9	6.3	9	11.30	57.4
R498755		6.92	0.041	0.61	7.78	17.5	1890	1.79	5.57	1.96	0.96	52.9	8.1	10	11.50	114.5
R498756		2.27	0.055	0.35	7.71	15.0	1890	1.27	1.63	1.93	1.18	52.1	8.9	8	11.45	119.0
R498757		5.02	0.021	0.27	7.69	21.0	1670	1.41	0.98	1.86	1.47	48.6	5.0	8	17.15	74.9
R498758		4.98	0.036	0.42	7.90	30.4	1720	1.37	1.79	1.53	4.11	52.1	10.6	7	17.65	88.3
R498759		6.18	0.024	0.80	8.57	42.7	1890	1.70	1.62	1.00	6.23	71.2	8.1	8	11.75	200
R498760		3.82	0.127	2.61	7.73	130.0	940	1.79	2.89	0.85	3.28	59.5	4.9	7	14.60	478
R498761		0.34	0.397	4.36	6.61	709	1240	1.30	3.20	2.03	10.85	48.2	11.4	24	13.90	307
R498762		5.18	0.069	8.45	7.26	99.8	800	1.27	21.8	1.54	2.53	44.6	7.2	9	12.50	269
R498763		9.01	0.026	0.56	7.76	21.6	990	1.17	2.16	1.59	1.63	36.0	18.2	10	13.70	49.5
R498764		0.34	0.846	11.30	6.27	1480	660	1.24	13.20	1.76	32.1	44.0	15.9	17	13.80	265
R498765		7.56	0.086	3.11	6.69	34.5	430	1.42	6.75	1.83	2.99	48.7	9.3	10	17.10	209
R498766		6.09	<0.005	0.01	0.10	<0.2	30	<0.05	0.04	20.2	0.09	1.25	0.8	<1	0.21	2.4
R498767		3.02	0.050	0.44	7.27	15.6	930	1.57	1.21	1.86	0.93	23.7	18.7	8	25.9	26.9
R498768		4.80	0.021	0.50	7.40	12.3	590	1.52	1.24	1.99	1.86	18.75	27.2	9	14.70	13.7
R498769		6.09	<0.005	0.01	0.07	<0.2	50	0.10	0.04	19.90	0.08	1.15	0.7	1	0.22	2.5
R498770		6.53	0.115	1.84	7.30	29.0	720	1.72	3.69	1.89	1.43	44.3	7.5	7	12.50	415
R498771		5.63	0.039	0.52	7.34	11.2	1920	1.69	1.85	1.99	0.53	52.8	5.3	11	10.80	143.5
R498772		3.56	0.021	0.22	6.78	11.8	1380	1.22	0.82	2.48	0.82	37.6	15.0	8	17.45	22.8

***** See Appendix Page for comments regarding this certificate *****

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 26-JUN-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15086976

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
R498737		4.05	17.75	0.07	0.9	0.310	3.54	19.9	11.9	0.63	791	0.92	0.05	4.9	2.4	560
R498738		3.75	16.80	0.11	1.1	0.137	3.71	30.8	35.0	0.79	859	1.18	0.30	7.4	2.2	610
R498739		4.44	17.05	0.07	1.0	0.153	3.59	28.3	14.0	1.08	890	1.02	0.07	6.0	2.1	570
R498740		5.27	17.30	0.09	1.1	0.160	3.87	29.6	29.4	0.51	989	1.61	0.12	6.5	4.2	640
R498741		3.42	16.90	0.07	1.0	0.099	3.31	25.3	17.1	0.80	580	1.23	1.19	7.2	2.2	560
R498742		4.37	19.30	0.09	1.2	0.245	3.85	29.9	27.3	0.95	578	1.78	0.61	6.8	2.5	600
R498743		5.25	18.00	0.10	1.0	0.333	4.21	28.9	22.6	0.93	710	1.46	0.19	5.3	2.4	580
R498744		3.64	16.75	0.09	1.0	0.112	3.96	28.3	19.9	0.90	489	3.43	1.09	7.3	2.4	600
R498745		3.79	17.00	0.08	1.1	0.102	3.54	25.2	21.4	0.79	521	2.48	1.35	7.2	2.4	560
R498746		3.81	17.45	0.09	1.2	0.100	3.56	27.4	21.7	0.78	536	2.11	1.33	7.1	2.6	570
R498747		5.06	18.15	0.09	1.1	0.191	3.92	25.7	11.6	0.83	903	1.78	0.07	5.6	2.4	560
R498748		3.86	16.90	0.09	1.1	0.155	3.79	27.9	17.8	0.76	867	0.89	0.81	7.4	2.2	580
R498749		4.57	18.45	0.09	1.2	0.267	4.00	33.8	15.8	0.83	967	1.19	0.24	6.7	2.4	580
R498750		4.85	18.80	0.09	1.1	0.202	4.01	28.6	12.3	0.72	661	1.32	0.08	5.7	2.3	600
R498751		9.59	19.00	0.09	0.9	0.222	3.56	14.2	7.5	0.35	217	2.19	0.07	3.1	3.3	540
R498752		6.10	18.35	0.08	1.0	0.184	3.77	28.9	9.5	0.55	269	2.23	0.07	3.6	2.5	600
R498753		3.52	17.70	0.08	1.1	0.058	2.55	30.1	46.4	0.56	1020	1.28	0.08	7.1	2.6	650
R498754		3.32	16.60	0.08	1.0	0.066	3.10	28.5	14.1	0.75	408	1.44	1.83	6.8	2.3	610
R498755		3.61	17.65	0.09	1.0	0.086	3.26	28.3	15.5	0.81	350	1.89	1.96	6.4	2.6	600
R498756		3.54	17.20	0.08	1.0	0.082	3.17	27.9	14.1	0.83	359	1.35	1.93	6.3	2.5	610
R498757		3.12	17.50	0.09	1.1	0.109	3.73	27.4	10.8	0.87	424	1.38	1.08	7.0	2.3	580
R498758		3.73	17.35	0.07	1.1	0.108	3.62	28.5	20.4	0.64	755	1.71	0.10	6.1	2.9	610
R498759		3.48	19.05	0.10	1.0	0.193	3.97	40.2	18.0	0.62	854	2.16	0.67	6.7	3.3	660
R498760		3.97	18.05	0.07	1.1	0.343	3.77	34.1	8.0	0.59	665	4.87	0.05	5.8	1.9	490
R498761		4.98	15.45	0.07	1.0	0.298	2.96	27.5	26.0	0.77	1800	13.95	0.15	6.0	14.5	510
R498762		3.75	18.60	0.08	1.1	0.269	3.51	25.6	10.6	0.85	734	2.05	0.06	5.0	2.4	550
R498763		2.44	17.30	0.08	1.1	0.102	4.81	19.7	9.6	0.75	324	3.98	0.18	5.1	2.6	600
R498764		6.31	15.35	0.09	1.0	0.780	2.75	22.9	20.0	0.74	1700	8.23	0.12	6.2	11.8	520
R498765		3.39	18.00	0.08	0.8	0.151	3.29	28.2	13.1	0.67	465	3.58	0.45	5.0	2.4	520
R498766		0.49	0.28	<0.05	<0.1	<0.005	0.04	0.6	1.1	12.80	207	0.09	0.01	0.2	1.5	190
R498767		2.60	17.85	0.13	0.9	0.078	3.88	11.8	16.1	0.53	332	1.38	0.09	4.3	4.7	630
R498768		3.23	16.90	0.15	1.0	0.091	4.64	9.2	14.1	0.67	383	0.94	0.35	3.7	3.5	570
R498769		0.47	0.24	0.11	<0.1	<0.005	0.03	0.6	1.0	12.40	202	0.15	0.01	0.2	1.8	170
R498770		3.71	18.00	0.16	1.1	0.197	3.84	24.0	25.1	0.85	428	0.78	0.54	5.0	2.1	570
R498771		3.15	17.65	0.18	1.2	0.048	3.14	28.2	15.6	0.84	277	2.80	1.89	6.6	2.2	590
R498772		3.09	17.75	0.15	1.0	0.048	3.45	21.3	20.4	0.81	294	9.64	0.74	4.4	2.8	580

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 26-JUN-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15086976

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
R498737		118.0	163.0	<0.002	3.43	32.8	9.1	2	11.1	40.7	0.37	0.67	12.1	0.185	2.37	3.3
R498738		62.7	161.0	<0.002	0.90	6.37	10.2	1	4.5	157.0	0.58	0.10	15.6	0.243	2.40	5.4
R498739		82.7	170.0	<0.002	2.78	9.27	9.6	1	5.2	105.5	0.45	0.17	13.1	0.214	2.79	4.5
R498740		104.0	170.0	<0.002	2.09	16.30	10.6	2	4.1	80.4	0.48	0.41	14.5	0.227	2.31	6.4
R498741		51.3	126.5	<0.002	0.89	2.59	9.6	1	4.3	266	0.57	0.12	13.7	0.229	1.77	4.2
R498742		38.9	190.0	<0.002	2.11	2.49	10.5	1	6.8	151.0	0.54	0.64	14.2	0.225	2.47	4.3
R498743		121.5	232	<0.002	2.81	2.96	9.8	2	6.2	167.0	0.42	0.49	15.1	0.186	2.93	4.8
R498744		37.5	186.0	<0.002	1.32	1.53	10.0	1	3.4	324	0.57	0.14	15.1	0.240	2.39	5.5
R498745		71.8	143.5	<0.002	1.44	1.55	9.7	1	3.8	411	0.60	0.11	14.4	0.229	2.00	4.6
R498746		76.3	148.0	<0.002	1.41	1.58	9.8	1	3.7	401	0.59	0.17	14.7	0.225	2.00	4.7
R498747		302	225	<0.002	3.28	5.54	9.3	1	6.8	62.7	0.50	0.24	14.6	0.199	3.02	4.1
R498748		68.8	150.0	<0.002	0.67	2.62	9.9	1	4.0	232	0.59	0.06	14.4	0.238	2.26	4.9
R498749		102.5	195.5	<0.002	1.55	4.70	10.1	1	7.8	102.5	0.56	0.20	15.5	0.217	2.75	5.9
R498750		84.1	206	<0.002	3.18	7.19	10.5	1	10.1	65.1	0.48	0.21	13.8	0.202	2.52	4.3
R498751		136.0	160.0	<0.002	9.15	4.54	10.0	1	13.7	14.9	0.25	0.36	11.7	0.135	1.53	4.9
R498752		74.6	179.0	<0.002	5.82	7.13	10.3	1	11.5	22.1	0.29	0.21	12.9	0.158	1.96	2.8
R498753		28.7	119.0	<0.002	0.99	26.2	10.8	1	2.6	121.5	0.55	0.07	15.2	0.256	1.70	4.7
R498754		35.2	131.5	<0.002	0.88	3.01	9.8	1	3.3	336	0.51	0.10	14.7	0.231	1.64	3.4
R498755		42.5	150.0	<0.002	1.57	1.50	10.1	1	3.3	342	0.48	0.13	14.4	0.225	1.88	3.9
R498756		31.3	149.0	<0.002	1.63	1.35	10.3	1	3.5	337	0.49	0.17	13.5	0.225	1.89	3.8
R498757		31.6	202	<0.002	1.26	3.12	9.7	1	4.2	197.5	0.56	0.11	14.8	0.229	2.41	4.5
R498758		39.6	176.0	<0.002	2.18	19.85	10.7	1	4.5	79.9	0.48	0.16	13.2	0.230	2.43	3.4
R498759		56.7	208	0.002	1.07	8.91	10.7	1	5.8	163.0	0.53	0.08	14.7	0.245	2.53	4.8
R498760		116.0	214	0.003	2.32	15.60	9.6	2	10.0	65.3	0.49	0.40	14.5	0.191	2.78	5.7
R498761		476	158.5	0.004	2.66	26.4	8.6	1	5.6	108.5	0.46	0.30	11.7	0.203	2.28	4.9
R498762		114.5	245	<0.002	2.52	9.41	9.2	1	7.0	43.8	0.43	0.31	15.4	0.178	2.74	3.5
R498763		56.2	230	0.002	1.61	4.89	9.6	1	4.8	144.0	0.42	0.16	14.9	0.175	2.83	7.0
R498764		1230	162.5	<0.002	4.41	63.7	8.6	2	7.8	93.5	0.48	1.07	11.2	0.200	2.32	4.9
R498765		103.0	166.5	<0.002	2.44	9.11	9.5	1	5.1	108.5	0.38	0.40	12.5	0.180	2.26	4.2
R498766		1.4	1.5	<0.002	0.01	0.06	0.3	<1	<0.2	50.5	<0.05	<0.05	<0.2	0.006	<0.02	0.6
R498767		40.3	170.5	<0.002	1.90	6.20	10.1	1	5.2	90.5	0.40	0.13	10.6	0.179	2.47	2.8
R498768		68.7	198.5	<0.002	2.56	2.57	10.2	1	4.4	163.5	0.37	0.13	11.6	0.162	2.64	4.4
R498769		1.6	1.6	<0.002	<0.01	<0.05	0.2	<1	<0.2	50.2	<0.05	<0.05	<0.2	<0.005	<0.02	0.8
R498770		70.5	197.5	<0.002	2.58	5.56	10.1	1	5.8	118.5	0.49	1.04	14.6	0.183	2.38	5.5
R498771		36.1	134.0	0.002	1.51	1.92	10.7	1	3.7	291	0.67	0.50	14.5	0.217	1.53	4.4
R498772		20.8	129.0	0.007	1.88	1.91	10.4	1	3.8	160.5	0.45	0.13	12.0	0.177	1.83	2.5

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 26-JUN-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15086976

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	V	W	Y	Zn	Zr
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	1	0.1	0.1	2	0.5
R498737		62	19.9	9.0	337	23.8
R498738		68	3.2	14.4	356	27.8
R498739		64	4.1	13.1	371	25.7
R498740		69	3.4	21.2	1220	27.6
R498741		65	5.2	12.3	190	25.4
R498742		70	5.8	13.5	137	28.4
R498743		63	5.0	12.2	291	27.7
R498744		68	2.4	14.4	132	26.6
R498745		66	2.5	14.1	263	26.4
R498746		65	2.6	14.2	267	28.8
R498747		64	5.5	10.7	1320	27.7
R498748		66	3.0	13.8	358	28.1
R498749		66	6.3	11.7	225	30.9
R498750		69	4.9	11.3	189	28.0
R498751		67	6.3	10.8	227	22.6
R498752		71	5.5	9.8	117	24.7
R498753		72	2.7	15.9	517	27.1
R498754		68	1.8	13.3	144	26.3
R498755		69	2.0	13.6	122	26.0
R498756		71	2.2	13.3	132	24.3
R498757		67	4.7	12.5	148	27.3
R498758		72	3.7	14.1	311	26.5
R498759		77	4.1	13.8	486	26.3
R498760		63	10.4	9.8	275	26.6
R498761		64	5.2	11.3	860	29.3
R498762		63	6.9	10.6	253	33.4
R498763		64	4.3	11.7	137	27.0
R498764		60	5.6	10.8	2240	28.3
R498765		62	3.9	11.2	257	22.2
R498766		3	0.1	0.8	16	0.6
R498767		82	3.3	7.4	108	24.9
R498768		62	3.2	6.9	183	26.5
R498769		2	0.1	0.8	18	<0.5
R498770		58	6.3	13.5	143	29.6
R498771		66	3.2	14.2	79	30.1
R498772		64	1.7	10.3	92	26.8

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: KLAZA

Finalized Date: 26-JUN-2015
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH15086976

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

CRU-31	CRU-QC	LOG-21	LOG-21d
LOG-23	PUL-31	PUL-31d	PUL-QC
SPL-21	SPL-21d	WEI-21	

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	ME-MS61

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 28-JUN-2015
Account: ROCKHA

CERTIFICATE WH15086978

Project: KLAZA

P.O. No.: Batch 4

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 15-JUN-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21d	Sample logging - ClientBarCode Dup
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
SPL-21d	Split sample - duplicate
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31d	Pulverize Split - duplicate

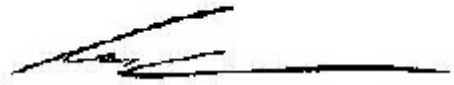
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 28-JUN-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15086978

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
R498773		7.72	0.035	0.48	7.23	13.1	1820	1.75	1.39	1.86	0.47	49.7	6.2	10	9.66	58.6
R498774		<0.02	0.035	0.53	7.42	13.9	1730	1.59	1.45	1.89	0.45	53.1	6.1	12	9.89	64.2
R498775		8.93	0.069	0.96	7.40	11.9	2240	1.66	3.66	1.80	0.71	51.3	5.1	12	9.26	122.0
R498776		6.22	0.197	1.26	7.41	20.6	840	1.47	1.42	1.81	0.69	54.8	11.3	10	14.55	354
R498777		0.34	0.351	4.45	6.80	707	930	1.38	3.37	2.07	11.00	48.9	12.6	24	13.45	311
R498778		3.41	0.129	1.43	6.90	36.7	230	1.18	3.26	0.78	0.97	43.4	22.9	8	8.33	76.0
R498779		4.99	0.068	0.54	7.28	21.2	870	1.59	1.95	1.45	1.42	56.6	10.2	9	14.55	79.1
R498780		5.88	0.242	1.43	6.99	91.0	230	1.33	5.07	0.86	3.21	46.2	11.9	10	9.12	186.0
R498781		6.10	<0.005	0.01	0.06	<0.2	30	0.08	0.04	21.5	0.07	1.25	0.8	1	0.14	2.0
R498782		10.12	0.170	0.64	7.12	33.7	1040	1.42	1.59	1.80	0.96	49.9	8.1	9	13.30	217
R498783		2.62	0.446	4.37	7.14	231	350	1.37	6.52	0.65	2.19	54.7	6.8	9	10.00	387
R498784		0.34	0.847	11.30	6.44	1535	1170	1.32	11.60	1.84	32.4	44.8	16.8	19	12.85	273
R498785		3.13	0.688	3.34	7.25	98.7	670	1.50	8.26	1.14	1.21	49.5	12.0	9	11.35	809
R498786		4.82	0.194	0.78	7.15	68.6	690	1.28	3.19	1.70	1.60	70.1	5.8	9	13.45	216
R498787		4.18	0.174	0.45	7.10	36.6	890	1.07	2.64	1.63	0.87	53.8	7.6	9	13.10	102.5
R498788		2.96	0.128	1.27	7.43	87.7	650	1.50	3.15	2.34	2.60	49.8	8.0	7	11.00	1120
R498789		5.13	0.134	0.67	8.21	27.2	560	1.49	2.12	1.26	6.68	60.7	17.4	9	14.40	284
R498790		5.22	0.157	2.04	6.82	126.5	880	1.47	2.63	2.20	7.45	61.7	17.7	7	16.50	303
R498791		4.95	0.320	4.45	7.25	209	550	1.52	11.30	1.15	1.50	41.6	11.6	11	11.60	172.0
R498792		4.55	0.086	2.07	6.98	78.8	800	1.32	8.10	1.36	2.92	39.2	9.3	11	9.82	370
R498793		6.18	<0.005	0.01	0.06	0.2	80	0.10	0.04	21.4	0.07	1.36	0.7	1	0.16	4.3
R498794		7.63	0.467	0.94	7.52	48.7	1470	1.52	2.59	1.91	0.91	44.6	9.9	10	13.05	300
R498795		3.68	0.156	2.38	6.77	95.9	720	1.32	4.95	0.86	4.94	30.3	13.9	12	10.10	181.0
R498796		6.34	0.063	0.66	7.75	9.7	580	1.81	1.88	2.06	1.40	35.4	13.4	11	12.25	113.0
R498797		2.97	0.058	0.60	7.32	8.3	560	1.46	1.70	2.06	1.09	32.4	13.1	9	11.95	114.0
R498798		7.96	0.103	0.60	7.19	8.4	500	1.59	1.65	1.72	0.52	45.9	11.9	11	9.20	176.5
R498799		1.88	0.454	0.95	7.12	52.1	320	1.66	1.76	1.88	0.63	37.2	23.6	7	10.60	420
R498800		7.50	0.071	0.96	7.66	17.2	690	1.38	3.79	1.64	0.83	41.0	21.0	9	12.45	104.0
R498801		5.45	0.176	0.94	7.37	13.2	980	1.62	1.69	2.07	1.18	49.7	13.4	8	13.80	175.0
R498802		5.00	0.314	4.88	7.76	56.7	180	1.74	20.7	1.70	1.16	51.0	9.9	8	16.05	394
R498803		5.44	0.151	2.89	6.99	107.0	1140	1.74	7.89	1.95	1.15	42.8	8.9	10	18.80	323
R498804		7.99	2.02	0.87	7.08	41.7	440	1.56	3.41	1.95	2.23	43.3	9.6	9	14.10	217
R498805		9.23	0.123	1.20	7.10	70.5	550	1.33	2.21	2.22	2.20	49.0	6.9	9	18.85	225
R498806		4.55	0.064	0.46	7.20	31.2	450	1.32	1.36	2.08	0.34	66.2	20.6	8	15.15	120.0
R498807		5.94	0.662	1.36	7.15	121.0	460	1.36	3.16	2.02	1.10	46.7	34.1	12	18.65	234
R498808		3.45	0.450	1.03	6.53	54.9	1130	1.21	2.82	3.09	1.49	50.3	13.0	7	20.2	113.0

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 28-JUN-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15086978

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
R498773		3.23	17.60	0.18	0.9	0.071	3.32	27.2	16.7	0.82	335	4.13	1.84	6.0	2.3	600
R498774		3.31	17.65	0.16	0.9	0.064	3.31	29.5	16.6	0.81	337	4.73	1.81	5.8	2.4	600
R498775		3.29	17.50	0.17	0.9	0.070	3.09	27.4	15.5	0.76	337	0.98	1.76	6.2	2.5	600
R498776		3.26	17.00	0.20	0.9	0.134	4.12	30.5	9.1	0.64	422	3.28	0.99	3.8	2.3	590
R498777		5.03	15.70	0.16	1.1	0.306	3.04	27.8	25.2	0.78	1860	14.55	0.15	5.7	14.7	520
R498778		6.71	15.30	0.16	0.8	0.188	3.50	24.9	7.7	0.64	496	4.50	0.06	2.4	3.3	510
R498779		2.53	15.70	0.16	1.0	0.066	4.49	32.3	8.3	0.66	322	1.03	0.45	3.9	2.3	570
R498780		4.71	16.70	0.17	0.8	0.216	3.71	23.4	7.1	0.64	396	2.05	0.06	2.6	2.5	540
R498781		0.51	0.18	0.08	<0.1	0.005	0.03	0.6	1.0	13.15	223	0.19	<0.01	0.1	1.7	170
R498782		2.16	15.20	0.16	0.8	0.070	3.93	26.3	8.6	0.80	328	0.88	0.57	3.9	1.8	610
R498783		4.29	17.40	0.16	0.8	0.162	3.64	29.8	7.5	0.57	405	1.12	0.06	2.8	2.2	570
R498784		6.40	14.60	0.15	1.0	0.742	2.85	24.4	17.5	0.75	1720	8.29	0.13	5.7	11.6	530
R498785		4.38	18.80	0.18	0.9	0.338	3.77	28.1	6.7	0.74	544	1.01	0.05	3.1	2.6	550
R498786		3.07	15.15	0.16	0.9	0.158	3.34	45.6	13.6	0.93	388	3.59	0.05	2.9	1.8	540
R498787		3.34	16.20	0.17	0.8	0.049	3.16	30.3	17.5	0.80	239	1.26	0.07	4.2	1.9	530
R498788		4.52	19.65	0.17	0.9	0.143	3.05	26.4	23.7	1.05	488	0.70	0.07	4.3	2.3	590
R498789		4.44	17.60	0.19	0.9	0.077	4.84	32.1	16.9	0.57	967	6.86	0.13	4.3	3.5	680
R498790		5.36	15.85	0.18	0.7	0.157	3.63	35.2	11.7	0.95	1760	2.07	0.06	2.9	3.3	520
R498791		4.71	17.95	0.14	0.8	0.158	3.65	22.1	11.1	0.62	419	1.64	0.05	3.6	2.7	580
R498792		6.09	16.80	0.16	0.7	0.167	3.57	20.9	6.1	0.83	872	3.90	0.05	2.2	2.6	530
R498793		0.52	0.21	0.08	<0.1	<0.005	0.03	0.7	1.0	13.25	233	0.09	0.01	0.1	1.7	180
R498794		3.77	17.40	0.14	1.0	0.161	3.81	23.8	10.8	0.78	469	3.62	0.71	4.7	2.4	630
R498795		4.34	16.65	0.17	0.8	0.237	3.51	17.0	6.6	0.63	649	9.07	0.05	2.8	2.7	520
R498796		3.67	17.95	0.17	1.0	0.113	4.42	19.3	13.7	0.94	363	1.39	0.85	4.6	2.7	610
R498797		3.38	16.75	0.15	0.9	0.113	4.18	17.3	13.0	0.89	332	1.19	0.79	4.4	2.3	580
R498798		3.27	16.25	0.17	1.0	0.077	3.63	24.7	12.5	0.72	241	4.74	1.47	4.7	2.6	580
R498799		4.43	19.10	0.18	0.9	0.086	3.40	20.7	17.4	1.12	315	7.85	1.06	4.0	3.8	560
R498800		3.37	17.45	0.17	0.9	0.094	4.39	22.8	18.5	0.74	545	5.76	0.50	3.7	3.0	710
R498801		3.39	17.00	0.18	1.0	0.106	4.00	27.2	12.7	0.70	631	11.70	0.67	3.7	3.3	580
R498802		5.84	18.60	0.20	1.0	0.213	4.49	26.2	9.4	0.71	633	2.98	0.34	4.1	2.5	610
R498803		3.75	16.95	0.33	0.9	0.179	3.77	21.0	9.0	0.70	881	1.37	0.20	4.5	2.9	550
R498804		4.22	17.60	0.25	1.1	0.116	3.77	19.9	19.2	0.54	627	1.16	0.18	5.0	2.2	620
R498805		3.33	16.65	0.18	1.1	0.152	2.46	25.3	45.7	0.79	696	1.16	0.04	6.1	2.5	540
R498806		2.66	17.45	0.27	1.0	0.059	2.54	34.9	24.8	0.64	237	0.97	0.07	5.4	2.1	640
R498807		4.58	18.00	0.14	1.0	0.106	2.86	23.8	44.2	0.81	419	1.54	0.08	4.9	4.5	610
R498808		3.73	15.90	0.13	0.9	0.093	2.16	26.9	45.8	1.05	738	1.38	0.04	5.6	2.4	490

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Finalized Date: 28-JUN-2015
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CERTIFICATE OF ANALYSIS WH15086978

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
R498773		35.6	138.5	0.004	1.46	1.10	11.3	1	4.8	286	0.52	0.17	12.5	0.220	1.75	4.1
R498774		36.4	146.0	0.004	1.53	1.04	11.6	1	4.9	285	0.49	0.19	13.2	0.214	1.79	4.5
R498775		39.0	126.0	<0.002	1.17	2.34	11.4	1	4.1	285	0.55	0.30	13.6	0.221	1.61	3.8
R498776		34.7	179.5	<0.002	1.99	3.77	10.8	1	6.8	180.5	0.35	0.26	13.5	0.158	2.42	4.8
R498777		488	174.5	0.004	2.72	27.6	9.8	1	5.7	112.0	0.52	0.33	11.2	0.199	2.29	5.4
R498778		30.9	187.0	<0.002	5.54	3.03	10.6	2	11.8	19.3	0.22	0.61	11.3	0.112	2.09	2.7
R498779		39.8	202	0.002	1.75	3.19	10.1	1	4.9	125.0	0.43	0.32	13.9	0.138	2.60	5.0
R498780		75.7	224	<0.002	4.57	4.39	10.0	2	10.7	56.8	0.27	1.75	11.3	0.107	2.67	4.4
R498781		1.4	1.4	<0.002	<0.01	0.05	0.2	<1	<0.2	53.1	<0.05	<0.05	<0.2	<0.005	<0.02	0.5
R498782		31.3	173.5	<0.002	1.59	3.23	10.4	1	5.5	211	0.34	0.22	11.0	0.160	2.48	3.8
R498783		148.0	202	<0.002	4.28	18.45	9.9	1	12.2	25.6	0.26	0.48	12.2	0.127	2.31	2.4
R498784		1295	168.5	<0.002	4.54	63.5	9.4	1	7.8	96.2	0.50	1.04	11.3	0.198	2.32	5.3
R498785		35.9	222	<0.002	3.36	11.80	10.2	1	12.5	41.7	0.29	2.89	14.2	0.136	2.57	2.7
R498786		32.4	186.5	0.002	2.35	11.35	9.6	1	6.4	46.8	0.28	0.37	13.9	0.128	2.27	3.1
R498787		29.5	141.5	<0.002	2.73	13.70	9.4	1	7.5	63.0	0.37	0.45	12.8	0.166	1.70	2.9
R498788		53.0	157.0	<0.002	3.66	6.96	10.5	1	9.1	57.7	0.37	0.57	12.5	0.178	2.16	3.8
R498789		40.2	191.5	<0.002	2.72	5.24	11.7	2	6.3	96.1	0.38	0.32	13.8	0.195	2.54	5.2
R498790		116.5	165.0	<0.002	4.00	37.9	9.9	2	5.5	71.0	0.25	0.35	10.7	0.152	2.56	3.9
R498791		129.5	172.5	<0.002	4.14	9.61	10.5	1	10.3	39.4	0.32	0.47	12.9	0.159	2.40	3.0
R498792		53.1	182.0	<0.002	5.76	9.74	9.8	2	8.3	35.2	0.19	0.63	11.4	0.126	2.41	3.0
R498793		1.4	1.3	<0.002	0.01	0.07	0.2	<1	<0.2	49.0	<0.05	<0.05	<0.2	<0.005	<0.02	0.7
R498794		46.4	159.0	<0.002	1.97	9.30	10.3	1	5.6	163.5	0.47	0.23	12.7	0.205	2.55	4.9
R498795		135.0	194.5	<0.002	2.85	4.57	9.5	<1	9.4	25.2	0.26	0.23	10.8	0.139	2.51	3.8
R498796		60.6	178.5	<0.002	2.41	3.44	10.9	1	5.6	171.0	0.43	0.25	13.6	0.197	2.60	5.1
R498797		49.7	165.5	<0.002	2.26	3.00	10.4	1	5.4	171.5	0.41	0.23	12.6	0.187	2.41	4.7
R498798		32.2	156.0	0.002	2.26	1.70	10.3	1	4.4	228	0.44	0.16	13.5	0.183	2.04	4.7
R498799		43.7	133.0	0.004	3.12	1.01	10.1	1	5.6	201	0.41	0.55	11.5	0.184	2.01	5.0
R498800		46.2	191.0	<0.002	1.91	2.40	10.8	1	5.1	128.0	0.36	0.16	14.4	0.167	2.70	4.7
R498801		65.3	159.0	0.005	1.92	2.96	10.1	1	5.5	139.0	0.35	0.22	12.7	0.155	2.55	4.9
R498802		84.5	195.0	<0.002	4.77	5.09	10.7	2	8.6	97.5	0.37	1.36	12.9	0.165	2.75	5.1
R498803		66.7	156.5	0.002	2.01	25.3	9.9	1	5.4	77.1	0.37	1.60	10.4	0.172	2.94	5.7
R498804		42.9	141.5	<0.002	3.12	6.81	11.0	1	6.2	102.0	0.42	0.48	10.6	0.185	2.51	4.1
R498805		76.9	122.0	0.002	1.45	79.5	10.5	1	4.5	74.3	0.52	0.57	11.4	0.204	1.91	3.7
R498806		18.1	85.6	<0.002	2.11	20.0	11.4	2	3.9	90.2	0.44	0.22	10.2	0.192	1.60	2.4
R498807		67.7	111.5	<0.002	4.40	77.7	11.2	4	5.6	80.0	0.41	1.18	10.3	0.175	1.92	3.9
R498808		62.5	101.0	<0.002	2.32	56.2	9.5	1	5.6	101.0	0.49	0.68	10.8	0.191	1.78	4.5

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Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	V	W	Y	Zn	Zr
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	1	0.1	0.1	2	0.5
R498773		67	2.0	14.4	96	26.0
R498774		66	1.9	15.2	93	26.0
R498775		69	1.7	14.4	90	25.4
R498776		63	3.2	12.7	94	24.9
R498777		65	5.6	12.4	863	32.1
R498778		69	7.2	6.8	110	21.0
R498779		60	2.2	11.6	124	26.8
R498780		62	4.8	8.9	256	22.7
R498781		2	0.1	0.8	20	<0.5
R498782		67	4.0	11.1	91	23.3
R498783		64	5.5	7.6	168	21.2
R498784		61	5.9	11.1	2330	31.6
R498785		61	8.9	10.7	165	25.6
R498786		53	4.4	9.5	135	23.8
R498787		60	6.4	11.6	74	22.3
R498788		71	6.4	17.8	216	23.5
R498789		72	4.7	22.5	434	23.3
R498790		57	3.6	15.2	396	17.8
R498791		65	4.8	11.7	144	22.6
R498792		63	5.7	12.0	117	19.5
R498793		2	0.1	0.8	19	<0.5
R498794		74	3.1	13.9	148	24.2
R498795		65	6.9	8.7	396	21.5
R498796		71	2.6	12.2	143	25.9
R498797		66	2.4	11.6	125	25.3
R498798		66	2.4	13.0	68	27.0
R498799		72	2.1	9.2	114	24.4
R498800		70	4.0	10.2	118	25.3
R498801		65	4.1	11.4	144	26.2
R498802		64	5.3	12.9	149	26.8
R498803		64	4.9	12.3	159	22.2
R498804		67	3.7	15.3	228	25.7
R498805		64	3.4	13.1	215	25.9
R498806		70	2.4	13.5	53	24.6
R498807		68	3.3	12.2	123	24.2
R498808		60	2.4	13.6	171	21.0

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: KLAZA

Finalized Date: 28-JUN-2015
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH15086978

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

CRU-31	CRU-QC	LOG-21	LOG-21d
LOG-23	PUL-31	PUL-31d	PUL-QC
SPL-21	SPL-21d	WEI-21	

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	ME-MS61

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 30-JUN-2015
Account: ROCKHA

CERTIFICATE WH15086981

Project: KLAZA

P.O. No.: Batch 5

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 15-JUN-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21d	Sample logging - ClientBarCode Dup
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
SPL-21d	Split sample - duplicate
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31d	Pulverize Split - duplicate

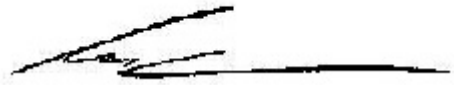
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Pb-OG62	Ore Grade Pb - Four Acid	VARIABLE
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	
Ag-OG62	Ore Grade Ag - Four Acid	VARIABLE
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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Finalized Date: 30-JUN-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15086981

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
R498237		8.13	<0.005	0.12	7.99	9.7	2070	1.01	0.49	0.56	0.08	58.7	8.1	11	11.20	26.2
R498238		4.84	0.015	0.11	8.22	13.8	2040	1.18	0.21	0.85	0.07	61.2	7.2	9	13.85	10.6
R498239		7.19	<0.005	0.08	7.24	6.0	2180	1.67	0.18	2.28	0.10	49.3	6.6	10	14.95	21.3
R498240		4.34	0.054	2.83	7.15	318	2510	1.63	0.62	2.28	1.83	47.4	11.5	8	22.8	45.2
R498241		7.40	0.118	3.03	7.11	648	2120	1.77	0.45	2.43	7.53	46.7	7.1	8	20.4	23.6
R498242		5.71	0.016	0.49	7.37	121.0	1760	1.64	0.82	2.37	0.38	46.1	6.2	9	17.15	35.6
R498243		0.34	0.874	11.90	6.79	1630	1200	1.56	11.55	1.93	32.5	48.9	18.5	16	14.05	290
R498244		1.90	0.748	>100	5.37	2910	890	1.35	1.66	1.32	28.2	39.9	6.0	6	15.55	253
R498245		6.71	0.006	0.56	7.94	17.6	2190	1.62	0.57	2.15	0.16	58.6	7.7	9	16.05	82.2
R498246		8.34	0.006	0.64	7.50	13.3	2290	1.66	0.38	2.19	0.51	50.6	6.9	11	17.60	43.8
R498247		1.37	0.063	2.54	6.89	107.5	1950	1.43	0.58	3.00	4.27	45.9	6.6	7	18.05	27.3
R498248		<0.02	0.068	2.64	7.45	118.5	1950	1.58	0.61	3.09	5.11	54.3	7.0	7	19.90	30.3
R498249		8.38	<0.005	0.17	7.15	10.6	2280	1.69	0.24	2.75	0.11	47.7	6.5	11	11.95	15.6
R498250		7.05	<0.005	0.08	6.97	7.4	2180	1.51	0.83	2.46	0.07	44.0	4.4	10	10.75	6.5
R498251		1.66	0.311	6.31	6.66	202	900	1.68	4.94	3.42	0.57	58.0	44.0	8	8.98	254
R498252		6.10	<0.005	0.01	0.07	<0.2	30	0.07	0.05	20.9	0.06	1.32	1.3	1	0.52	2.0
R498253		5.76	0.007	0.16	7.36	9.6	2220	1.62	1.10	2.40	0.09	47.8	7.6	9	12.95	8.6
R498254		2.82	0.011	1.31	7.27	13.9	2200	1.69	0.24	2.75	0.84	46.9	6.5	9	15.65	12.2
R498255		11.44	0.013	0.20	7.38	8.3	2040	1.36	0.19	2.40	0.35	44.9	7.0	8	13.20	7.8
R498256		8.47	0.022	0.11	7.54	29.7	2020	1.63	0.36	2.57	0.18	53.3	6.7	9	15.85	8.0
R498257		5.66	0.034	1.11	7.36	41.6	2410	1.51	0.27	2.42	1.34	51.0	6.5	7	19.10	14.3
R498258		0.34	0.397	5.55	6.77	716	1200	1.54	3.36	2.07	10.70	51.9	12.9	26	13.90	309
R498259		2.35	0.406	8.55	6.28	799	1930	1.69	1.05	2.65	12.80	44.7	7.9	5	22.5	73.8
R498260		3.18	0.049	0.30	7.50	55.0	1580	1.84	0.31	2.39	0.16	52.4	9.6	8	15.65	3.3
R498261		2.86	0.827	3.93	6.64	306	2010	1.58	0.47	2.75	11.00	44.9	17.5	6	18.45	7.7
R498262		4.74	0.041	1.15	7.29	31.4	1840	1.64	0.42	2.47	1.27	51.2	6.4	8	18.20	7.8
R498263		6.82	0.091	0.59	7.17	39.2	2290	1.60	0.56	2.42	0.19	61.2	7.6	7	16.90	4.2
R498264		3.86	0.041	0.28	6.87	22.3	2010	1.59	0.36	2.61	0.18	50.5	5.3	7	16.55	4.4
R498265		9.76	0.025	0.20	7.55	12.1	2270	1.53	0.35	2.43	0.11	51.9	7.0	9	11.80	3.9
R498266		8.59	0.009	0.14	7.55	6.9	3250	1.64	0.36	2.36	0.11	47.3	5.3	10	9.18	3.1
R498267		9.97	0.007	0.32	7.68	28.5	2010	1.69	0.59	2.26	0.40	46.2	5.1	9	17.30	17.6
R498268		7.07	0.132	2.23	5.41	214	440	1.59	0.61	2.74	1.42	80.3	13.2	6	26.5	8.7
R498269		6.18	0.005	0.01	0.05	<0.2	20	0.07	0.02	20.3	0.07	1.08	1.2	1	0.17	3.9
R498270		9.08	0.050	1.76	5.00	67.7	3220	1.25	0.50	3.45	0.56	34.4	13.4	8	16.70	14.5
R498271		8.98	0.105	2.08	7.76	82.1	1820	1.66	2.49	2.21	13.95	58.4	32.4	10	16.90	47.4
R498272		5.40	0.108	1.96	6.98	63.7	2400	1.71	1.54	2.69	1.55	49.4	20.8	8	14.25	6.3

***** See Appendix Page for comments regarding this certificate *****

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 30-JUN-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15086981

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
R498237		2.80	16.85	0.17	1.3	0.057	2.71	31.7	42.5	0.57	558	1.35	0.10	8.4	2.9	650
R498238		2.90	18.25	0.25	1.5	0.056	3.12	32.8	42.0	0.67	543	2.53	0.13	9.1	2.6	680
R498239		3.02	16.70	0.25	1.4	0.041	2.82	23.9	19.1	0.71	490	2.62	1.93	8.2	2.6	600
R498240		2.55	16.55	0.25	1.4	0.069	3.10	22.9	25.4	0.71	1590	3.31	0.07	8.1	2.3	570
R498241		2.76	16.20	0.18	1.2	0.064	3.11	23.2	21.3	0.81	3450	6.29	0.03	7.6	2.2	560
R498242		2.91	17.55	0.31	1.3	0.088	3.90	21.4	41.5	0.70	1360	6.30	0.55	8.1	2.0	590
R498243		6.77	16.35	0.15	1.2	0.863	3.03	25.1	20.6	0.79	1820	8.54	0.13	6.5	12.5	540
R498244		3.16	10.95	0.09	1.1	0.109	2.73	22.5	32.0	0.49	3850	7.01	0.03	4.9	1.9	330
R498245		3.15	17.60	0.20	1.5	0.069	3.12	29.9	26.2	0.68	678	3.50	1.06	8.6	2.3	650
R498246		2.92	17.20	0.24	1.5	0.076	3.13	24.0	22.0	0.65	727	3.28	1.53	8.3	2.4	580
R498247		2.67	15.85	0.23	1.4	0.115	2.90	22.2	35.3	0.93	768	3.61	0.50	7.7	1.8	540
R498248		2.82	16.80	0.24	1.5	0.118	3.03	28.0	36.9	0.99	792	3.88	0.51	8.3	2.1	580
R498249		2.87	16.85	0.23	1.2	0.069	2.89	22.2	11.8	0.73	609	2.40	2.23	8.1	2.5	610
R498250		2.82	16.20	0.25	1.2	0.068	2.93	20.4	13.5	0.64	687	12.45	1.57	7.8	2.2	580
R498251		5.55	15.55	0.16	1.0	0.370	2.94	34.4	17.2	1.14	1540	1.47	0.57	6.7	2.7	480
R498252		0.50	0.49	0.49	<0.1	0.005	0.04	0.6	1.3	13.00	226	0.29	0.01	0.2	2.0	160
R498253		2.92	16.95	0.40	1.3	0.059	2.96	23.0	17.6	0.66	643	13.15	1.77	8.0	2.3	580
R498254		2.96	16.75	0.30	1.4	0.060	2.94	21.9	23.9	0.72	1350	2.32	1.57	8.1	2.4	570
R498255		2.98	17.00	0.24	1.3	0.065	2.90	21.5	38.6	0.72	975	1.67	0.33	8.1	2.1	610
R498256		3.08	17.15	0.24	1.3	0.066	2.86	26.3	23.1	0.73	714	2.17	1.30	8.0	2.2	590
R498257		2.82	16.80	0.22	1.3	0.064	2.90	25.2	68.9	0.73	1260	2.93	0.14	8.0	1.9	570
R498258		5.04	16.50	0.13	1.2	0.321	3.07	28.7	27.6	0.79	1880	14.80	0.15	6.3	15.2	530
R498259		3.43	14.60	0.11	1.3	0.188	2.33	23.1	38.1	0.70	3070	5.34	0.03	6.4	2.1	490
R498260		3.98	17.05	0.18	1.3	0.134	3.36	27.9	15.7	0.98	2280	0.59	0.06	7.3	1.7	580
R498261		4.95	15.65	0.10	1.1	0.099	2.95	23.3	15.7	0.92	4270	2.30	0.03	6.1	4.8	490
R498262		3.53	16.25	0.22	1.4	0.082	3.15	26.0	43.3	0.74	1350	1.65	0.64	7.1	2.5	560
R498263		4.44	16.25	0.15	1.2	0.121	3.07	32.4	12.1	0.86	1680	9.16	0.77	6.6	2.7	550
R498264		3.57	15.45	0.19	1.2	0.107	3.06	25.1	10.9	0.84	1680	3.92	0.71	6.6	1.8	520
R498265		3.30	16.20	0.19	1.5	0.089	3.23	27.0	15.5	0.66	731	2.80	1.42	7.7	2.0	580
R498266		2.93	15.70	0.17	1.4	0.072	3.43	23.5	12.0	0.52	566	1.96	2.01	7.9	2.0	580
R498267		3.55	16.45	0.23	1.1	0.066	2.89	21.1	38.5	0.64	906	1.98	0.66	8.4	2.1	680
R498268		3.85	16.40	0.12	0.7	0.171	2.30	42.8	25.6	0.73	2880	1.73	0.03	3.9	3.9	400
R498269		0.49	0.39	0.42	<0.1	0.005	0.02	0.5	0.9	12.55	215	0.12	<0.01	0.1	2.2	180
R498270		3.23	11.80	0.20	0.7	0.138	2.22	18.3	17.7	0.98	2650	0.75	0.02	4.9	3.2	380
R498271		4.76	16.25	0.16	1.0	0.170	3.14	31.3	29.3	0.82	3520	0.62	0.12	6.8	4.1	650
R498272		3.66	15.70	0.21	1.0	0.114	3.36	25.0	14.3	0.72	2900	5.41	0.12	7.1	2.4	590

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Finalized Date: 30-JUN-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15086981

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
R498237		15.2	123.0	<0.002	0.08	21.8	12.0	<1	2.3	74.9	0.71	0.17	14.1	0.266	1.14	2.3
R498238		16.3	146.0	<0.002	0.07	11.30	14.1	1	2.5	89.9	0.74	0.08	14.7	0.294	1.44	2.8
R498239		14.0	119.5	<0.002	0.03	4.07	11.3	1	2.0	327	0.69	<0.05	12.8	0.252	1.29	4.1
R498240		73.1	143.5	<0.002	1.03	23.9	11.1	<1	2.1	130.0	0.70	0.16	11.4	0.251	3.34	5.3
R498241		258	154.5	<0.002	1.03	30.6	10.9	1	2.3	131.5	0.66	<0.05	12.0	0.235	3.12	5.2
R498242		24.1	170.0	<0.002	0.35	14.80	11.2	1	2.3	164.0	0.68	0.32	12.1	0.252	2.64	4.9
R498243		1340	178.0	0.002	4.79	66.6	10.2	2	7.9	102.0	0.52	1.12	11.2	0.208	2.62	5.2
R498244		>10000	160.5	<0.002	2.22	265	5.9	1	2.1	61.9	0.53	0.25	13.2	0.151	2.35	6.2
R498245		26.0	139.5	<0.002	0.21	15.45	12.2	1	2.6	221	0.73	0.14	15.2	0.267	1.68	5.4
R498246		52.4	131.5	<0.002	0.12	7.15	11.0	1	2.0	285	0.72	0.06	12.4	0.252	1.50	4.0
R498247		185.5	116.5	<0.002	0.33	8.49	10.0	<1	1.7	186.5	0.70	0.08	11.3	0.233	1.83	3.4
R498248		197.5	144.0	<0.002	0.35	9.02	11.6	1	1.8	192.5	0.75	0.06	13.3	0.243	1.89	3.8
R498249		14.9	114.0	<0.002	0.07	2.47	11.3	1	1.9	368	0.72	<0.05	12.1	0.254	1.34	4.1
R498250		12.6	122.0	<0.002	0.04	4.60	10.1	1	1.8	264	0.64	0.39	11.4	0.246	1.62	3.3
R498251		51.8	167.0	0.002	2.59	48.2	9.9	<1	4.0	143.0	0.58	1.42	11.5	0.209	2.11	5.7
R498252		0.8	2.8	<0.002	<0.01	0.09	0.3	<1	<0.2	52.5	<0.05	<0.05	<0.2	<0.005	0.02	0.5
R498253		13.9	120.0	<0.002	0.21	5.26	10.8	1	1.8	282	0.71	0.18	12.9	0.245	1.42	3.8
R498254		83.0	113.0	<0.002	0.08	6.55	11.1	1	1.7	288	0.70	<0.05	12.6	0.248	1.40	4.7
R498255		20.5	109.5	<0.002	0.11	12.55	11.3	1	2.2	150.0	0.66	0.05	11.8	0.258	1.64	3.8
R498256		18.6	132.5	<0.002	0.10	6.18	11.7	1	2.0	259	0.68	0.09	13.6	0.253	1.60	4.5
R498257		73.4	128.0	<0.002	0.43	15.50	11.1	1	1.9	181.0	0.67	<0.05	13.2	0.244	2.09	3.6
R498258		496	167.5	0.004	2.73	29.2	9.8	1	5.9	113.0	0.52	0.26	11.0	0.203	2.57	5.2
R498259		536	159.0	<0.002	2.30	52.3	9.0	1	4.2	204	0.56	0.21	10.1	0.200	2.31	5.1
R498260		13.1	171.5	<0.002	0.48	6.83	10.5	1	2.1	104.5	0.59	0.13	12.8	0.230	2.80	4.3
R498261		259	163.5	0.002	2.74	21.0	10.0	<1	1.8	95.0	0.53	0.15	10.7	0.198	3.21	3.7
R498262		69.5	153.0	<0.002	0.35	8.49	10.5	1	1.8	187.0	0.61	0.22	12.1	0.220	2.42	4.7
R498263		14.6	166.5	<0.002	1.11	7.54	10.9	1	1.9	134.0	0.55	0.29	12.1	0.208	2.81	4.0
R498264		8.5	152.0	<0.002	0.43	5.86	10.1	<1	2.1	130.0	0.56	0.08	10.9	0.213	2.64	3.8
R498265		16.5	151.5	<0.002	0.32	4.26	11.3	1	2.2	254	0.65	0.12	12.8	0.239	1.80	4.3
R498266		18.7	142.0	<0.002	0.14	3.23	10.9	1	2.1	326	0.67	0.08	12.9	0.242	1.59	4.2
R498267		30.1	124.0	<0.002	0.20	8.80	11.6	1	2.5	213	0.58	0.06	10.8	0.281	2.02	4.7
R498268		99.2	129.5	<0.002	1.80	23.2	7.8	<1	1.7	152.5	0.35	0.09	8.7	0.163	2.36	5.5
R498269		1.2	1.0	<0.002	0.01	0.05	0.2	1	<0.2	48.8	<0.05	<0.05	<0.2	<0.005	0.02	0.4
R498270		48.4	124.0	<0.002	0.74	10.70	7.1	1	1.7	148.5	0.38	0.17	8.6	0.156	1.95	3.8
R498271		375	153.5	<0.002	1.60	15.70	11.9	1	2.9	118.0	0.50	1.03	12.0	0.230	2.39	3.4
R498272		92.0	145.0	0.002	0.96	8.92	10.2	1	1.9	109.0	0.55	0.73	11.7	0.221	2.51	2.5

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

2103 Dollarton Hwy
North Vancouver BC V7H 0A7
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www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 30-JUN-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15086981

Sample Description	Method Analyte Units LOR	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Ag-OG62 Ag ppm 1	Pb-OG62 Pb % 0.001
R498237		72	11.6	17.5	38	31.5		
R498238		82	9.0	20.4	41	36.1		
R498239		69	2.4	16.9	39	33.5		
R498240		71	7.8	14.4	191	33.6		
R498241		68	8.6	14.2	571	30.6		
R498242		69	3.4	15.2	74	31.7		
R498243		64	6.1	11.6	2440	30.2		
R498244		41	3.6	10.8	2290	28.9	253	1.270
R498245		74	2.8	19.2	49	39.0		
R498246		68	3.2	16.5	82	36.6		
R498247		64	5.7	14.9	293	36.2		
R498248		64	6.1	17.2	321	37.3		
R498249		71	2.3	16.7	47	30.3		
R498250		67	3.5	14.2	48	30.0		
R498251		69	52.4	14.0	95	25.6		
R498252		2	0.1	0.8	21	<0.5		
R498253		68	3.8	16.0	45	34.2		
R498254		67	2.7	16.7	110	36.1		
R498255		71	5.3	15.9	82	32.2		
R498256		70	4.6	16.8	52	32.3		
R498257		67	4.8	16.4	130	33.5		
R498258		66	7.6	12.4	867	31.3		
R498259		58	5.5	12.9	998	36.6		
R498260		66	3.8	13.9	53	34.0		
R498261		67	4.0	12.2	723	30.0		
R498262		65	2.7	13.5	157	35.8		
R498263		71	3.2	13.2	71	32.2		
R498264		63	3.0	12.9	64	30.1		
R498265		68	2.3	15.2	52	37.9		
R498266		65	3.0	14.6	48	36.6		
R498267		74	4.0	14.3	81	31.8		
R498268		83	5.2	12.6	162	18.7		
R498269		1	0.1	0.7	19	<0.5		
R498270		54	2.2	11.6	109	19.8		
R498271		72	5.1	13.8	780	26.0		
R498272		64	3.8	13.3	151	26.1		

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: KLAZA

Finalized Date: 30-JUN-2015
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH15086981

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

CRU-31	CRU-QC	LOG-21	LOG-21d
LOG-23	PUL-31	PUL-31d	PUL-QC
SPL-21	SPL-21d	WEI-21	

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Ag-OG62	Au-AA24	ME-MS61	ME-OG62
Pb-OG62			

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 27-JUN-2015
Account: ROCKHA

CERTIFICATE WH15086982

Project: KLAZA

P.O. No.: Batch 6

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 15-JUN-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21d	Sample logging - ClientBarCode Dup
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
SPL-21d	Split sample - duplicate
BAG-06	Double Bagging Coarse Rejects
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31d	Pulverize Split - duplicate

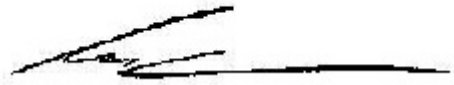
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.

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VANCOUVER BC V6B 1L8

Finalized Date: 27-JUN-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15086982

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
R498273		6.60	0.010	0.26	7.28	15.2	1970	1.68	0.49	2.25	0.14	47.1	7.7	9	10.80	2.5
R498274		2.07	0.142	3.19	7.16	95.2	1840	1.70	0.88	1.84	6.91	58.2	6.5	6	20.9	23.9
R498275		7.62	0.025	1.74	7.40	37.2	2360	1.46	0.51	1.27	6.55	51.1	5.8	9	12.10	13.8
R498276		6.46	0.013	1.45	7.89	39.7	1810	1.59	0.26	1.92	5.83	47.5	3.9	9	12.10	10.3
R498277		1.72	0.216	11.85	7.50	647	460	1.62	1.31	1.49	32.5	48.7	4.1	9	15.95	70.3
R498278		6.11	<0.005	0.02	0.07	<0.2	30	0.08	0.02	21.4	0.09	1.15	1.2	1	0.31	1.9
R498279		3.82	0.040	5.19	7.34	224	1500	1.70	1.33	3.04	17.65	53.6	7.8	9	12.10	34.1
R498280		3.54	<0.005	0.11	7.60	9.2	2330	1.65	0.23	2.89	0.11	49.2	6.1	11	14.55	4.1
R498281		1.11	0.015	1.25	7.98	60.9	1330	1.88	0.53	2.34	3.44	54.0	7.5	9	20.6	9.2
R498282		3.41	0.009	1.03	7.74	87.6	770	1.84	0.15	1.95	1.20	50.2	6.1	9	24.8	4.9
R498283		1.61	0.059	1.90	7.31	79.6	1420	1.57	0.83	2.89	1.06	49.1	12.8	8	18.70	6.0
R498284		0.99	0.062	2.53	6.86	79.4	760	1.48	0.80	2.62	0.89	45.8	12.6	8	18.10	7.9
R498285		4.15	<0.005	0.10	7.46	12.0	1850	1.66	0.14	2.47	0.13	48.3	5.9	11	16.10	4.6
R498286		4.34	<0.005	0.18	7.84	18.0	2200	1.99	0.12	1.49	0.48	74.7	6.1	16	22.0	13.4
R498287		3.16	1.175	4.66	6.65	3180	1140	1.71	0.32	1.44	54.8	47.1	7.8	7	26.9	27.7
R498288		8.53	0.008	0.52	7.98	24.7	1650	1.33	0.32	1.49	0.62	52.6	6.6	10	16.40	12.3
R498289		7.84	0.005	0.18	7.42	11.8	980	1.55	0.22	2.41	0.28	45.6	5.9	9	16.55	7.4
R498290		1.95	0.341	10.20	6.68	192.0	930	1.51	0.30	2.41	41.0	49.9	8.9	7	19.30	35.9
R498291		<0.02	0.295	9.66	6.61	176.0	1210	1.52	0.31	2.35	37.9	47.0	8.3	7	18.95	34.4
R498292		6.63	<0.005	0.16	8.62	8.8	1650	1.41	0.17	1.42	0.21	49.7	5.8	9	17.65	9.8
R498293		4.32	0.028	1.72	7.82	89.0	1500	1.78	0.22	2.29	3.32	49.1	6.7	9	22.2	22.3
R498294		3.62	0.069	3.84	7.55	395	2100	1.87	0.23	2.30	16.60	44.7	6.3	8	20.6	15.9
R498295		0.35	0.350	4.61	6.82	734	710	1.48	3.48	2.10	10.75	50.0	11.8	27	13.35	312
R498296		4.82	0.499	9.53	6.68	3380	1050	1.30	0.75	1.43	60.0	46.9	8.1	10	9.28	36.8
R498297		5.48	0.006	0.13	7.78	12.1	2290	1.71	0.25	2.70	0.34	53.6	7.5	11	11.65	5.4
R498298		4.22	<0.005	0.07	7.73	7.7	2310	1.60	0.15	2.75	0.20	50.5	5.9	12	10.55	3.7
R498299		8.18	0.045	1.53	7.54	94.5	1780	1.71	0.87	2.36	3.25	45.8	6.4	9	20.5	21.3
R498300		3.96	0.582	8.37	7.04	2880	1590	1.47	0.23	1.36	41.2	38.8	5.4	9	11.95	37.3
R498301		6.10	<0.005	0.01	0.06	<0.2	40	0.05	0.02	21.0	0.11	1.11	1.2	<1	0.20	2.1
R498302		2.00	0.348	17.75	6.30	1240	450	1.46	0.27	1.36	34.1	44.2	5.8	7	22.7	70.2
R498303		1.62	0.109	6.02	7.37	199.0	1530	1.78	0.30	1.69	23.2	53.0	8.9	8	18.80	45.0
R498304		3.21	<0.005	0.10	7.12	8.8	2470	1.71	0.12	2.64	0.19	43.6	6.0	9	12.90	5.2
R498305		5.71	<0.005	1.45	7.97	14.0	1120	1.84	0.17	0.93	0.93	47.8	3.3	8	12.45	8.0
R498306		4.09	<0.005	0.29	8.03	13.2	1270	1.97	0.49	0.79	1.31	55.1	3.7	9	12.35	3.2
R498307		0.34	0.945	12.20	6.52	1530	1130	1.48	11.85	1.85	33.2	44.9	17.2	19	12.95	294
R498308		2.47	0.008	0.88	8.08	16.7	990	1.55	0.25	0.20	5.15	59.4	6.9	7	13.95	6.9

***** See Appendix Page for comments regarding this certificate *****

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VANCOUVER BC V6B 1L8

Finalized Date: 27-JUN-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15086982

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
R498273		3.52	16.05	0.19	1.1	0.092	3.03	23.3	23.3	0.57	1170	0.71	0.80	7.5	1.9	640
R498274		3.62	15.80	0.18	1.0	0.244	2.82	30.9	35.6	0.68	1700	0.98	0.11	7.0	2.3	560
R498275		3.34	15.35	0.14	1.1	0.128	3.00	26.6	32.9	0.56	1440	0.43	0.24	7.5	2.0	570
R498276		3.21	16.30	0.21	1.3	0.151	3.57	22.9	24.9	0.68	1710	0.39	0.66	8.2	2.1	610
R498277		5.46	16.35	0.15	1.4	0.498	3.50	24.5	9.9	0.61	2600	6.30	0.03	7.9	2.5	560
R498278		0.51	0.54	0.50	<0.1	0.008	0.03	0.5	1.1	13.30	234	0.10	0.01	0.2	2.2	170
R498279		4.07	16.50	0.23	1.1	0.412	3.30	26.3	37.5	0.70	2810	0.72	0.15	7.5	2.3	610
R498280		3.04	16.75	0.22	1.2	0.042	2.88	22.9	8.6	0.83	664	1.41	2.37	8.6	2.6	650
R498281		3.40	17.15	0.19	1.2	0.065	3.65	26.2	36.5	0.61	1960	0.65	0.72	8.6	2.4	670
R498282		2.87	16.90	0.14	1.4	0.044	3.49	24.6	25.6	0.76	2850	0.53	0.05	8.3	2.2	590
R498283		4.49	15.65	0.17	1.2	0.078	3.32	24.1	18.1	0.94	3280	1.36	0.04	7.4	2.6	530
R498284		4.84	14.60	0.14	1.1	0.082	3.16	23.2	15.6	0.85	2800	1.07	0.03	7.1	2.3	480
R498285		2.91	16.20	0.26	1.4	0.058	3.20	22.6	17.8	0.70	771	0.91	1.50	8.1	2.5	580
R498286		2.66	19.40	0.19	4.4	0.030	2.69	39.0	130.0	0.81	893	0.94	0.05	10.8	5.2	1150
R498287		3.44	15.25	0.09	1.4	0.070	2.69	22.5	35.5	0.62	1700	11.85	0.04	7.3	3.1	510
R498288		2.87	16.80	0.12	1.4	0.052	2.90	26.2	64.9	0.59	1050	2.42	0.08	8.7	2.5	630
R498289		2.86	16.35	0.13	1.1	0.060	2.24	20.9	195.5	0.76	949	0.53	0.06	8.2	2.0	620
R498290		3.70	14.95	0.13	0.9	0.083	2.94	24.8	32.8	0.87	2950	5.66	0.03	6.5	2.6	510
R498291		3.56	14.95	0.14	0.9	0.081	2.91	23.6	34.4	0.86	2870	6.08	0.03	6.6	2.6	520
R498292		2.68	17.55	0.13	1.1	0.047	2.96	23.2	63.6	0.54	781	5.02	0.09	8.9	1.7	690
R498293		2.96	17.20	0.20	1.1	0.072	3.47	23.7	86.2	0.81	1440	0.91	0.07	8.1	2.3	650
R498294		3.17	17.20	0.22	1.1	0.077	3.43	20.9	27.4	0.80	4020	2.47	0.03	7.7	2.1	650
R498295		5.10	15.60	0.16	1.0	0.303	3.08	26.3	27.0	0.80	1900	14.15	0.15	6.0	14.1	530
R498296		4.82	14.90	0.15	1.2	0.272	3.48	22.9	11.7	0.53	1900	1.62	0.03	6.7	2.4	500
R498297		3.02	16.40	0.22	1.2	0.051	3.06	25.7	17.1	0.77	702	0.51	2.11	8.3	2.4	610
R498298		2.98	16.25	0.26	1.1	0.047	2.77	24.0	11.7	0.78	615	0.51	2.45	7.9	2.7	610
R498299		2.77	16.50	0.18	1.1	0.072	3.23	21.5	127.5	0.73	2040	0.67	0.12	7.9	2.0	620
R498300		4.05	16.65	0.13	1.0	0.359	3.27	17.0	17.1	0.58	2060	7.34	0.03	6.5	2.3	530
R498301		0.50	0.46	0.41	<0.1	0.007	0.02	0.5	1.3	12.90	229	0.06	<0.01	0.1	1.9	170
R498302		3.53	14.05	0.19	1.0	0.267	2.65	22.3	31.6	0.50	1770	30.7	0.02	6.2	2.4	440
R498303		3.24	17.70	0.12	1.2	0.149	3.65	28.8	95.7	0.56	1580	1.29	0.12	7.7	5.6	560
R498304		3.05	17.45	0.09	1.4	0.044	3.13	21.3	18.3	0.63	667	1.22	1.65	8.3	3.3	600
R498305		3.10	18.50	0.08	1.1	0.069	2.51	24.9	214	0.14	1300	1.07	0.06	8.5	2.6	660
R498306		3.22	18.65	0.11	1.1	0.115	2.59	30.0	140.5	0.23	1550	1.26	0.04	8.6	2.5	660
R498307		6.88	15.90	0.10	1.0	0.790	2.91	23.4	21.7	0.76	1800	10.30	0.13	6.2	12.4	550
R498308		2.71	17.45	0.09	1.0	0.094	2.47	33.4	132.5	0.17	2210	1.26	0.03	7.8	2.2	630

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 27-JUN-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15086982

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
R498273		15.6	122.0	<0.002	0.35	5.44	11.1	1	1.9	184.0	0.58	0.21	12.5	0.235	1.99	2.9
R498274		332	127.0	<0.002	0.74	18.25	10.5	1	2.3	169.0	0.53	0.07	12.1	0.222	2.09	4.9
R498275		430	136.5	<0.002	0.44	14.15	10.0	1	2.9	122.5	0.62	0.06	13.9	0.230	1.98	3.5
R498276		238	146.5	<0.002	0.41	10.95	10.4	1	2.7	152.5	0.70	<0.05	13.6	0.255	2.26	4.2
R498277		2520	186.0	<0.002	4.40	26.0	10.2	1	4.1	80.7	0.66	<0.05	13.5	0.237	3.43	5.4
R498278		4.0	2.2	<0.002	<0.01	0.08	0.2	<1	<0.2	50.9	<0.05	<0.05	<0.2	<0.005	0.04	0.7
R498279		1265	157.5	<0.002	0.86	13.75	10.9	1	3.0	190.0	0.65	0.54	13.9	0.234	2.61	6.3
R498280		22.3	112.0	<0.002	0.03	3.71	12.1	1	1.9	410	0.65	<0.05	13.2	0.277	1.33	4.3
R498281		303	171.5	<0.002	0.89	12.45	12.3	1	2.6	225	0.68	0.08	14.6	0.271	2.68	4.7
R498282		110.5	147.0	<0.002	0.47	14.25	10.6	1	1.9	190.0	0.67	<0.05	13.9	0.249	3.08	4.4
R498283		43.6	186.0	<0.002	3.15	19.70	9.7	1	1.7	127.5	0.60	0.23	13.0	0.228	3.55	6.7
R498284		45.5	177.0	<0.002	3.84	21.3	9.1	1	1.8	107.5	0.59	0.24	12.4	0.217	3.52	5.3
R498285		15.3	130.0	<0.002	0.11	5.99	10.3	1	1.6	285	0.69	<0.05	13.7	0.247	1.80	4.6
R498286		26.4	97.6	<0.002	0.08	17.20	5.6	<1	1.6	525	0.73	<0.05	10.7	0.311	1.16	3.9
R498287		724	137.0	<0.002	1.82	43.4	9.0	1	5.3	167.0	0.61	<0.05	11.1	0.216	2.29	7.6
R498288		61.3	114.5	0.002	0.27	14.95	10.8	1	2.1	133.0	0.72	<0.05	14.8	0.260	1.66	3.0
R498289		19.2	84.6	<0.002	0.09	17.50	10.3	1	1.9	341	0.66	<0.05	11.9	0.253	1.60	2.4
R498290		835	157.5	<0.002	1.75	30.0	9.4	1	2.5	155.5	0.50	0.06	11.4	0.215	2.56	4.4
R498291		794	157.5	<0.002	1.57	30.0	9.4	1	2.5	154.5	0.51	<0.05	11.4	0.213	2.68	4.5
R498292		15.4	113.5	<0.002	0.04	12.60	11.2	1	2.4	145.5	0.68	<0.05	13.8	0.293	1.50	2.3
R498293		121.0	160.5	<0.002	0.43	18.05	11.8	1	2.3	203	0.59	<0.05	11.5	0.266	2.61	4.0
R498294		439	161.5	<0.002	1.38	24.3	10.9	1	2.4	221	0.55	<0.05	10.3	0.257	3.12	6.3
R498295		492	167.0	0.003	2.74	28.8	9.2	1	5.7	108.5	0.49	0.30	11.2	0.202	2.52	5.1
R498296		1720	229	<0.002	4.22	34.0	9.2	1	5.1	60.9	0.56	0.09	11.6	0.208	3.27	4.2
R498297		29.2	131.0	<0.002	0.09	2.91	11.0	1	2.1	369	0.64	<0.05	13.6	0.257	1.50	4.6
R498298		20.5	103.0	<0.002	0.02	2.59	10.5	1	1.8	386	0.63	<0.05	13.4	0.251	1.25	4.2
R498299		148.0	140.5	<0.002	0.75	17.50	10.6	1	2.0	190.5	0.63	0.22	12.6	0.252	2.85	4.5
R498300		1625	191.0	<0.002	3.41	35.0	9.3	1	7.2	121.5	0.53	<0.05	10.9	0.217	3.06	4.8
R498301		2.7	1.5	<0.002	<0.01	0.09	0.2	<1	<0.2	50.4	<0.05	<0.05	<0.2	<0.005	<0.02	0.6
R498302		2710	161.0	0.003	3.05	78.7	8.6	1	4.7	104.0	0.53	<0.05	12.0	0.192	2.63	7.4
R498303		1220	181.0	<0.002	1.43	20.2	10.9	1	6.0	154.0	0.66	0.05	14.8	0.248	2.53	5.3
R498304		23.9	122.0	<0.002	0.03	6.34	11.4	1	1.7	325	0.73	<0.05	13.5	0.263	1.41	4.8
R498305		12.0	136.5	<0.002	0.01	17.30	12.1	1	2.2	154.5	0.71	<0.05	14.9	0.281	1.73	2.5
R498306		7.9	162.5	<0.002	0.05	16.15	12.7	1	2.3	94.5	0.70	0.08	16.0	0.283	2.25	2.5
R498307		1340	161.5	<0.002	4.57	65.3	9.8	2	8.0	97.6	0.53	1.24	11.7	0.216	2.36	5.1
R498308		12.9	155.5	<0.002	<0.01	16.75	11.0	1	2.0	105.5	0.65	<0.05	15.5	0.262	2.14	2.9

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 27-JUN-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15086982

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	V	W	Y	Zn	Zr
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	1	0.1	0.1	2	0.5
R498273		69	2.5	12.7	58	26.6
R498274		69	4.8	14.9	502	28.2
R498275		61	3.7	13.4	722	28.7
R498276		70	2.4	14.1	727	33.9
R498277		64	4.0	12.6	3490	34.7
R498278		2	0.1	0.8	22	<0.5
R498279		73	2.8	16.1	1960	29.1
R498280		78	1.3	17.1	46	30.9
R498281		77	2.9	16.3	378	32.1
R498282		68	4.1	15.1	122	34.7
R498283		62	3.5	12.8	84	31.5
R498284		57	4.2	12.3	79	30.8
R498285		68	1.6	15.6	47	35.4
R498286		55	2.3	10.9	147	175.5
R498287		63	3.5	11.7	3280	40.5
R498288		68	4.3	16.0	92	35.2
R498289		70	3.6	14.8	73	28.3
R498290		60	5.4	13.6	5090	22.9
R498291		60	5.4	13.6	4630	22.5
R498292		72	7.7	13.9	53	29.6
R498293		74	4.6	15.6	254	29.9
R498294		72	5.1	14.5	1060	29.0
R498295		66	5.5	11.4	890	29.1
R498296		57	5.6	9.9	3640	30.7
R498297		71	1.5	16.9	67	32.6
R498298		70	1.3	15.8	51	29.3
R498299		71	3.6	13.5	238	28.2
R498300		61	5.4	9.8	2580	25.8
R498301		1	0.1	0.8	20	<0.5
R498302		55	6.4	9.3	2150	26.0
R498303		64	3.9	12.6	1500	31.3
R498304		69	1.5	17.3	52	37.4
R498305		72	13.5	15.1	126	26.8
R498306		74	5.4	15.2	140	27.7
R498307		62	5.8	10.9	2470	28.5
R498308		67	5.1	15.1	395	24.4

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: KLAZA

Finalized Date: 27-JUN-2015
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH15086982

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	ME-MS61

ALS Canada Ltd.

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 30-JUN-2015
Account: ROCKHA

CERTIFICATE WH15086995

Project: KLAZA

P.O. No.: BATCH 9

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 15-JUN-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-32	Fine Crushing 90% <2mm
SPL-21	Split sample - riffle splitter
PUL-35a	Pulv 1 kg split to 95%<106 um
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate
PUL-35ad	Pulv 1 kg split to 95%<106 um DUP
BAG-01	Bulk Master for Storage
LOG-23	Pulp Login - Rcvd with Barcode
BAG-06	Double Bagging Coarse Rejects
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test

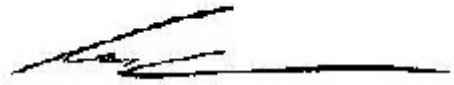
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Zn-OG62	Ore Grade Zn - Four Acid	VARIABLE
As-OG62	Ore Grade As - Four Acid	VARIABLE
Au-AA24	Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
ME-MS61	48 element four acid ICP-MS	
C-GAS05	Inorganic Carbon (CO2)	
Ag-OG62	Ore Grade Ag - Four Acid	VARIABLE
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Cu-OG62	Ore Grade Cu - Four Acid	VARIABLE
Pb-OG62	Ore Grade Pb - Four Acid	VARIABLE

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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VANCOUVER BC V6B 1L8

Finalized Date: 30-JUN-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15086995

Sample Description	Method	WEI-21	Au-AA24	Au-GRA22	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs
	Units	kg	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.05	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05
R499201		2.65	0.797		61.4	3.03	4210	1020	0.88	1.42	0.63	47.8	16.95	3.9	14	7.73
R499202		2.42	0.267		32.6	5.86	1855	2000	1.45	0.40	1.93	125.0	43.4	4.6	13	13.10
R499203		1.51	0.360		9.76	4.99	477	430	1.13	24.7	2.78	2.40	22.9	3.6	8	5.75
R499204		0.73	1.040		11.80	3.75	730	230	1.00	21.7	1.78	23.6	20.3	5.2	10	3.49
R499205		2.01	0.639		10.55	5.59	390	290	1.31	7.62	1.33	153.5	34.8	5.9	11	4.53
R499206		1.58	2.11		41.6	6.24	696	770	1.62	6.94	1.48	17.80	45.8	7.4	12	8.90
R499207		6.17	<0.005		0.15	0.09	6.4	50	0.16	0.05	21.2	0.26	1.16	0.6	1	1.05
R499208		3.08	0.414		10.45	6.26	297	610	1.56	2.53	3.12	77.3	45.9	5.7	9	12.05
R499209		1.95	1.715		30.7	5.80	576	540	1.14	26.8	1.30	165.0	37.8	6.7	10	7.09
R499210		2.97	2.26		29.5	5.24	4410	570	1.34	1.74	1.47	42.5	38.7	29.1	10	11.15
R499211		<0.02	2.13		25.2	5.23	4400	610	1.47	1.79	1.42	45.3	41.1	30.5	11	11.05
R499212		0.22	>10.0	14.05	>100	4.48	161.0	860	0.67	1.89	2.12	858	20.7	64.6	51	1.33
R499213		2.54	5.33		>100	4.76	1170	460	0.99	417	0.54	5.99	27.2	8.7	12	4.30
R499214		5.34	0.390		5.54	6.92	144.5	340	1.24	7.57	0.23	1.00	49.2	10.5	13	3.82
R499215		2.47	>10.0	10.95	>100	5.24	406	630	1.08	246	0.45	8.66	51.1	45.1	12	3.73
R499216		1.51	5.29		>100	3.23	>10000	620	1.27	2.49	3.00	432	13.50	4.3	8	11.05
R499217		5.07	0.644		39.8	3.00	374	270	1.00	47.8	4.79	268	22.2	5.1	5	14.20
R499218		6.11	0.008		0.51	0.09	7.8	40	0.08	0.56	20.3	2.56	1.39	0.7	1	0.39
R499219		1.98	0.614		>100	4.08	410	410	1.25	169.0	4.75	94.1	31.4	5.1	6	9.83
R499220		0.49	1.730		39.4	5.43	2330	1250	1.27	37.7	1.59	44.5	36.4	15.7	22	9.35
R499221		2.93	0.645		>100	2.20	641	250	0.57	154.0	10.10	205	14.75	2.6	6	4.01
R499222		2.44	2.46		>100	4.39	1310	330	0.75	231	1.17	127.0	20.7	7.6	13	4.53
R499223		1.71	1.700		>100	4.00	1385	1250	1.07	6.76	0.94	78.0	27.9	39.9	16	4.52
R499224		1.10	0.499		26.5	4.68	611	950	1.59	8.77	1.98	11.10	35.0	18.5	9	32.1
R499225		1.85	1.890		28.2	4.21	6270	2540	0.87	5.32	1.27	216	19.70	16.9	18	5.10
R499226		2.16	1.635		41.1	5.68	6540	520	1.32	0.42	0.26	177.0	19.60	4.4	19	8.89
R499227		3.16	>10.0	11.10	>100	1.41	>10000	730	0.33	26.4	0.63	>1000	8.13	1.9	19	2.12
R499228		2.47	4.78		17.40	2.68	476	260	0.81	47.7	1.69	5.25	17.95	28.2	18	3.75
R499229		4.52	2.06		30.1	5.66	819	690	1.15	48.2	0.74	68.2	44.6	5.8	18	5.54
R499230		2.82	7.57		50.4	4.36	1040	310	0.94	30.0	0.81	44.3	31.1	10.1	19	5.46
R499231		3.76	1.200		16.10	6.16	564	360	1.55	31.6	1.15	16.45	41.3	9.6	17	9.26
R499232		6.20	0.242		4.19	6.75	188.0	600	1.35	5.52	0.96	1.75	53.3	10.5	15	7.78
R499233		<0.02	0.219		4.00	6.82	190.5	560	1.64	5.26	0.98	1.65	55.3	10.9	17	7.93
R499234		2.93	4.90		28.5	4.62	1190	220	1.08	63.7	1.32	17.00	40.4	5.8	12	5.99
R499235		3.44	0.950		7.26	6.68	567	430	1.49	11.95	0.90	1.52	37.2	8.0	17	7.24
R499236		2.19	3.98		16.25	5.24	694	620	1.07	31.6	1.94	46.7	29.0	17.3	15	4.80

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 30-JUN-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15086995

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni
	Units	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	LOR	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2
R499201		75.9	4.60	7.21	0.08	0.5	0.158	1.37	7.0	48.7	0.24	1830	14.40	0.02	2.9	2.7
R499202		48.9	4.35	14.15	0.10	1.0	0.212	2.67	23.5	24.7	0.72	5140	2.03	0.03	6.1	2.4
R499203		326	10.70	14.55	0.13	0.6	0.349	2.52	9.9	8.6	1.27	2510	1.59	0.04	1.9	2.5
R499204		107.0	12.45	12.10	0.09	0.7	0.355	1.79	9.8	6.6	0.88	2130	2.17	0.03	2.8	2.8
R499205		421	7.00	19.60	0.10	0.7	0.698	2.74	19.4	12.7	0.73	1210	2.40	0.05	3.6	2.8
R499206		8660	8.37	18.75	0.15	0.8	1.485	3.08	24.3	7.6	0.83	1220	2.67	0.04	4.1	2.9
R499207		26.3	0.55	0.37	0.07	<0.1	0.010	0.06	0.6	2.1	12.70	236	0.17	<0.01	0.4	1.7
R499208		329	5.08	15.85	0.12	0.8	5.64	2.84	25.6	10.7	1.41	1900	0.84	0.03	5.5	3.0
R499209		3070	9.48	18.30	0.11	0.9	14.60	2.89	19.5	7.1	0.75	717	1.97	0.05	3.2	2.8
R499210		145.0	5.44	12.75	0.10	0.8	0.409	2.40	21.5	31.7	0.57	2850	2.50	0.02	5.3	3.0
R499211		148.0	5.52	13.15	0.12	0.9	0.446	2.41	22.3	32.2	0.55	2820	2.82	0.02	5.3	3.4
R499212		>10000	10.15	17.50	0.22	0.6	3.36	0.85	9.0	7.3	0.83	1740	169.0	1.12	2.2	20.2
R499213		>10000	13.85	14.45	0.13	0.5	4.94	2.25	12.1	9.7	0.38	600	1.31	0.05	1.7	2.4
R499214		668	6.28	20.6	0.12	0.8	0.230	3.54	26.7	6.4	0.40	164	1.99	0.07	3.1	2.2
R499215		1200	15.15	14.90	0.13	0.6	0.593	2.63	28.7	7.6	0.43	337	7.89	0.06	1.8	3.8
R499216		498	7.00	8.27	0.09	0.7	0.743	1.35	3.5	29.8	0.96	8940	4.32	0.02	3.2	2.0
R499217		1200	5.33	8.56	0.07	0.8	1.135	1.11	10.0	29.8	1.70	7690	12.85	0.02	2.9	2.1
R499218		17.5	0.56	0.27	0.08	<0.1	0.021	0.04	0.7	1.4	12.35	270	0.21	<0.01	0.2	1.6
R499219		1420	4.95	11.90	0.09	0.9	1.705	1.85	17.5	13.1	1.94	6460	3.63	0.04	3.9	2.5
R499220		1150	8.96	14.25	0.12	0.8	1.505	2.46	19.2	16.9	0.65	2250	16.50	0.06	4.5	14.7
R499221		2580	5.77	7.29	0.07	0.3	4.54	1.03	8.0	8.2	4.17	14450	6.21	0.02	1.4	1.2
R499222		4390	11.90	15.95	0.12	0.5	5.42	2.15	10.3	7.8	0.60	1890	4.10	0.03	2.7	2.1
R499223		320	7.86	9.83	0.11	0.7	1.385	1.95	14.1	19.3	0.38	2530	5.68	0.02	3.8	3.2
R499224		717	4.47	11.75	0.12	0.7	0.165	1.93	18.2	40.4	0.69	1550	16.00	0.02	4.7	4.1
R499225		75.3	9.25	10.15	0.11	0.5	0.434	2.08	8.1	19.5	0.46	3860	18.40	0.02	3.7	3.0
R499226		131.5	4.42	19.95	0.10	1.0	1.785	2.68	7.7	23.9	0.24	340	20.4	0.02	6.2	2.0
R499227		3600	15.80	5.57	0.09	0.2	26.4	0.63	3.5	13.4	0.24	8310	10.40	<0.01	1.3	2.3
R499228		1070	17.70	6.98	0.11	0.3	0.797	1.29	8.1	24.2	0.47	939	7.56	0.03	1.2	2.9
R499229		2530	8.55	16.25	0.13	0.8	1.110	2.82	24.7	10.5	0.46	679	2.09	0.04	3.3	2.6
R499230		>10000	11.95	11.60	0.10	0.6	2.41	2.06	17.0	11.0	0.39	771	1.38	0.03	2.7	2.1
R499231		401	8.10	15.40	0.10	0.8	0.398	2.95	23.0	10.5	0.58	1460	3.35	0.04	3.9	5.6
R499232		251	5.37	16.70	0.11	0.8	0.249	3.35	30.9	7.9	0.62	863	2.69	0.05	3.4	2.8
R499233		233	5.54	16.80	0.08	0.9	0.237	3.36	31.6	8.0	0.62	902	2.44	0.05	3.3	2.9
R499234		560	12.15	14.80	0.11	0.6	0.706	2.27	22.5	10.2	0.65	1480	11.90	0.03	2.1	2.9
R499235		167.0	9.00	21.4	0.13	0.9	0.170	3.30	19.5	7.5	0.61	531	1.06	0.06	3.3	2.5
R499236		247	13.25	13.40	0.10	0.7	0.369	2.58	13.5	11.2	0.89	1370	8.96	0.05	2.1	2.7

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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 30-JUN-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15086995

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
	LOR	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02
R499201		180	4190	91.5	0.002	3.56	133.0	4.5	<1	3.9	90.7	0.24	<0.05	4.3	0.096	1.34
R499202		460	4310	168.0	<0.002	2.36	56.4	9.0	1	3.2	91.8	0.50	<0.05	10.7	0.194	2.43
R499203		400	226	167.5	<0.002	9.87	28.8	7.3	3	11.1	55.6	0.17	0.53	7.5	0.093	1.98
R499204		280	1170	104.0	<0.002	>10.0	15.45	5.6	2	13.4	74.3	0.22	0.58	6.0	0.101	1.21
R499205		420	4310	164.0	<0.002	7.27	16.95	8.4	2	18.2	35.5	0.34	0.28	11.7	0.136	1.73
R499206		480	2940	192.5	<0.002	7.12	108.0	9.3	1	13.7	49.0	0.34	0.92	12.3	0.156	2.71
R499207		160	20.5	4.7	<0.002	0.02	0.59	0.2	1	0.3	52.5	<0.05	<0.05	<0.2	<0.005	0.03
R499208		480	4690	155.0	<0.002	4.11	26.6	9.5	2	8.4	62.3	0.45	0.38	12.6	0.187	2.70
R499209		440	1010	175.5	<0.002	9.48	17.85	8.7	2	18.5	21.8	0.29	1.34	10.6	0.118	2.09
R499210		420	2470	151.0	<0.002	4.32	114.5	8.2	1	4.7	42.7	0.41	0.51	9.4	0.182	2.21
R499211		410	2570	152.0	<0.002	4.35	105.5	8.2	1	5.1	42.8	0.42	0.53	9.3	0.181	2.24
R499212		600	>10000	26.6	0.069	>10.0	179.5	12.2	11	19.8	239	0.15	0.47	1.9	0.185	7.23
R499213		330	600	102.5	<0.002	>10.0	137.0	6.7	4	20.8	15.9	0.14	2.50	7.5	0.076	1.08
R499214		520	96.9	183.0	<0.002	6.17	11.95	10.2	2	19.8	8.5	0.25	0.98	12.9	0.130	1.64
R499215		380	2100	135.5	<0.002	>10.0	77.0	7.4	5	13.7	12.5	0.16	1.93	9.6	0.084	1.75
R499216		210	>10000	88.4	<0.002	6.18	361	5.0	1	4.1	130.0	0.26	0.15	3.9	0.106	1.61
R499217		300	7090	70.2	<0.002	4.68	236	4.1	1	6.0	98.2	0.22	0.54	4.3	0.099	1.05
R499218		180	81.8	2.0	<0.002	0.05	3.13	0.2	1	0.2	50.0	<0.05	<0.05	<0.2	<0.005	0.02
R499219		430	3310	126.0	<0.002	4.25	95.5	6.0	4	7.9	75.4	0.32	1.29	6.6	0.134	1.72
R499220		440	1610	148.5	0.002	7.29	103.0	8.4	1	10.7	62.0	0.38	0.66	8.5	0.164	1.98
R499221		190	9300	71.7	<0.002	4.93	114.5	3.1	1	8.7	145.5	0.11	0.70	3.3	0.051	0.95
R499222		260	2790	144.0	<0.002	>10.0	77.1	6.7	2	20.2	17.8	0.20	4.17	6.3	0.105	1.68
R499223		310	>10000	123.0	0.002	7.65	193.0	6.5	1	4.2	45.1	0.33	0.95	6.4	0.137	1.58
R499224		360	612	122.0	0.004	3.33	220	7.5	<1	2.9	171.0	0.35	4.57	7.0	0.161	1.65
R499225		310	3220	165.5	<0.002	8.94	77.8	6.8	1	5.9	60.7	0.28	2.39	4.3	0.139	2.04
R499226		440	4230	167.5	<0.002	4.51	101.0	9.3	1	14.1	74.2	0.50	<0.05	8.8	0.204	2.17
R499227		80	>10000	45.9	<0.002	>10.0	1435	1.8	2	11.0	24.9	0.11	0.23	1.8	0.044	0.89
R499228		190	358	74.1	<0.002	>10.0	192.0	4.0	5	8.7	34.4	0.10	2.76	4.1	0.050	0.78
R499229		420	725	153.0	<0.002	8.60	125.0	8.4	2	14.3	18.6	0.28	0.86	8.4	0.133	1.98
R499230		300	860	113.5	<0.002	>10.0	205	5.9	2	14.6	20.3	0.24	0.89	6.6	0.103	1.60
R499231		460	618	160.0	<0.002	7.56	61.7	8.2	2	10.5	24.8	0.31	1.30	10.3	0.150	2.55
R499232		510	104.5	193.0	<0.002	4.54	49.2	9.3	1	9.8	24.5	0.26	0.33	11.0	0.144	2.38
R499233		510	108.0	196.0	<0.002	4.67	45.8	9.4	1	9.6	25.2	0.26	0.27	12.2	0.139	2.42
R499234		320	878	161.0	<0.002	>10.0	126.5	6.2	2	12.9	29.2	0.17	0.57	7.5	0.087	1.80
R499235		510	221	213	<0.002	8.87	29.8	9.6	2	15.6	17.5	0.26	0.41	10.1	0.137	2.07
R499236		380	2420	135.0	0.002	>10.0	27.5	7.2	2	10.8	54.2	0.18	1.03	7.4	0.084	1.67

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VANCOUVER BC V6B 1L8

Finalized Date: 30-JUN-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15086995

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Ag-OG62	Cu-OG62	Pb-OG62	Zn-OG62	As-OG62	C-GAS05	C-GAS05
	Analyte	U	V	W	Y	Zn	Zr	Ag	Cu	Pb	Zn	As	C	CO2
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	%	%
	LOR	0.1	1	0.1	0.1	2	0.5	1	0.001	0.001	0.001	0.001	0.05	0.2
R499201		11.7	29	5.4	6.9	3140	13.7						0.40	1.5
R499202		5.6	53	5.6	12.3	7300	26.8						1.24	4.5
R499203		2.1	46	4.8	7.6	186	15.4						1.50	5.5
R499204		2.6	35	4.7	5.9	1930	19.5						0.91	3.3
R499205		2.7	48	9.8	6.0	>10000	18.7				1.065		0.88	3.2
R499206		3.3	54	11.3	9.1	1150	19.9						0.96	3.5
R499207		0.7	2	0.1	0.8	33	<0.5						12.40	45.5
R499208		3.7	54	9.0	9.6	5430	21.6						1.65	6.0
R499209		2.8	51	5.0	6.1	>10000	21.2				1.185		0.67	2.5
R499210		6.7	52	5.6	10.5	3960	23.9						0.84	3.1
R499211		6.8	52	5.7	10.8	4230	24.9						0.79	2.9
R499212		2.2	122	8.2	12.1	>10000	11.2	127	2.81	2.41	15.00		0.15	0.6
R499213		1.7	45	4.7	3.6	418	13.3	148	1.660				0.30	1.1
R499214		2.0	64	7.6	5.1	88	22.2						0.09	0.3
R499215		3.0	42	5.1	6.3	638	15.5	115					0.22	0.8
R499216		3.0	29	3.5	9.6	>10000	22.1	214		1.530	3.42	1.595	1.98	7.3
R499217		2.4	29	3.4	8.6	>10000	28.0				2.10		2.87	10.5
R499218		0.6	2	0.1	0.9	208	0.6						12.35	45.3
R499219		3.0	40	5.8	7.0	8020	29.2	104					2.63	9.7
R499220		5.1	53	6.9	8.5	3260	21.9						0.93	3.4
R499221		1.8	21	2.6	6.6	>10000	8.8	106			1.870		6.04	22.1
R499222		1.3	44	6.7	4.4	8580	12.0	156					0.69	2.5
R499223		3.9	45	2.9	5.5	7910	17.2	161		1.185			0.62	2.3
R499224		23.9	47	10.4	11.5	787	19.8						1.06	3.9
R499225		6.4	39	2.9	6.2	>10000	12.2				1.660		0.83	3.1
R499226		6.8	54	4.1	5.5	>10000	25.8				0.955		0.22	0.8
R499227		3.1	12	1.4	2.7	>10000	4.7	835		9.02	8.65	2.39	0.78	2.9
R499228		4.5	24	2.6	4.5	366	8.0						0.89	3.3
R499229		2.6	52	6.1	6.7	6360	18.8						0.05	0.2
R499230		2.5	37	5.6	5.3	3950	13.5		1.260				0.76	2.8
R499231		3.5	54	6.4	8.7	1520	22.4						0.66	2.4
R499232		3.7	58	5.2	6.6	153	22.7						0.66	2.4
R499233		3.8	58	5.0	7.1	154	25.0						0.63	2.3
R499234		5.2	43	4.4	6.4	1510	15.5						0.43	1.6
R499235		2.6	61	7.7	6.2	112	25.5						0.96	3.5
R499236		3.8	44	7.7	6.7	4070	18.7						1.05	3.9

***** See Appendix Page for comments regarding this certificate *****

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: KLAZA

Finalized Date: 30-JUN-2015
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH15086995

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

BAG-01	BAG-06	CRU-32	CRU-QC
LOG-21d	LOG-22	LOG-23	PUL-35a
PUL-35ad	PUL-QC	SPL-21	SPL-21d
WEI-21			

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Ag-OG62	As-OG62	Au-AA24	Au-GRA22
C-GAS05	Cu-OG62	ME-MS61	ME-OG62
Pb-OG62	Zn-OG62		

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 28-JUN-2015
Account: ROCKHA

CERTIFICATE WH15087003

Project: KLAZA

P.O. No.: BATCH 7

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 15-JUN-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21d	Sample logging - ClientBarCode Dup
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
SPL-21d	Split sample - duplicate
BAG-06	Double Bagging Coarse Rejects
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31d	Pulverize Split - duplicate

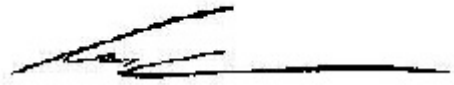
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Zn-OG62	Ore Grade Zn - Four Acid	VARIABLE
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	
Ag-OG62	Ore Grade Ag - Four Acid	VARIABLE
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.

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Finalized Date: 28-JUN-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15087003

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
R498809		4.89	0.031	0.35	8.56	15.3	2380	1.45	1.33	1.43	0.27	57.6	5.2	7	13.60	40.6
R498810		<0.02	0.032	0.32	8.42	14.8	2350	1.20	1.34	1.40	0.22	54.3	5.0	7	13.10	39.2
R498811		2.31	<0.005	0.37	7.69	43.7	1430	1.81	0.30	2.17	0.48	61.1	5.4	5	33.0	13.9
R498812		2.38	0.017	0.51	7.66	124.5	2610	1.81	0.70	2.40	1.36	56.2	9.1	8	29.2	19.5
R498813		0.34	0.358	4.92	6.92	726	1210	1.41	3.68	2.09	11.40	51.8	12.7	24	13.30	334
R498814		2.76	0.684	>100	5.50	2070	480	1.63	228	4.03	89.4	48.8	8.8	5	15.75	4000
R498815		4.41	0.007	1.04	7.64	33.3	2240	1.43	2.30	2.59	1.87	54.8	8.5	10	20.7	26.5
R498816		7.41	0.066	3.26	8.05	28.8	2190	1.90	6.20	2.10	0.79	63.4	6.7	10	15.45	420
R498817		2.89	0.051	2.67	7.67	21.1	2180	1.36	5.18	2.17	0.79	57.3	6.7	10	14.55	333
R498818		3.87	0.220	3.45	6.77	163.5	690	1.49	5.30	2.31	5.02	47.6	9.7	7	15.30	196.5
R498819		2.35	0.052	0.64	7.72	33.0	1770	1.99	2.77	2.54	0.53	57.5	6.3	10	25.4	71.2
R498820		9.38	0.121	1.00	7.46	73.4	460	1.44	1.50	1.90	0.48	52.9	8.4	9	16.05	128.5
R498821		8.54	0.099	1.05	7.65	93.8	680	1.53	1.54	1.69	0.54	56.4	8.3	8	13.80	63.0
R498822		3.67	0.131	2.41	7.58	109.0	1080	1.57	4.98	1.55	1.54	49.2	8.2	9	14.30	86.3
R498823		2.28	1.780	21.6	5.67	528	540	1.19	38.1	1.80	12.90	43.6	10.2	9	4.64	1130
R498824		5.68	0.360	1.35	7.53	123.5	1260	1.61	3.60	2.02	1.20	52.8	11.8	10	16.10	91.3
R498825		2.30	0.871	2.31	7.29	140.0	1240	1.71	12.20	1.99	1.21	51.2	11.9	9	13.70	104.5
R498826		5.64	0.050	0.71	7.74	41.2	1740	1.57	0.99	2.11	0.55	57.9	7.0	9	15.35	85.5
R498827		4.14	0.056	0.66	8.32	31.8	1400	1.51	0.78	1.54	0.56	55.9	7.2	9	16.70	140.0
R498828		5.86	0.043	0.75	7.52	28.9	2010	1.64	1.07	2.16	0.93	58.3	7.1	10	16.00	84.9
R498829		7.09	0.096	1.14	7.75	52.9	910	1.61	1.39	2.46	6.47	54.9	14.8	8	21.1	88.3
R498830		0.37	0.855	12.20	6.59	1565	1140	1.67	12.05	1.86	32.6	46.3	17.0	18	12.75	295
R498831		4.33	0.354	1.40	7.43	130.5	1160	1.66	2.01	2.25	0.94	47.9	7.1	8	18.95	135.0
R498832		5.35	0.149	0.30	6.98	29.6	1650	2.01	0.46	2.69	0.60	50.6	6.8	10	21.9	23.7
R498833		7.22	0.023	0.26	7.01	10.5	2980	1.49	0.42	2.48	0.29	49.7	7.9	10	15.45	38.1
R498834		4.14	0.011	0.19	6.97	11.7	2950	1.46	0.40	2.67	0.26	51.6	7.3	9	8.73	18.5
R498835		3.02	0.030	0.37	7.20	21.3	1870	1.80	0.47	2.74	0.30	53.5	17.5	8	19.45	25.5
R498836		2.01	0.299	15.60	6.98	192.5	450	1.85	7.79	1.08	183.0	60.0	7.8	7	16.05	736
R498837		6.10	<0.005	0.04	0.06	0.9	30	<0.05	0.04	19.50	0.16	0.99	0.5	1	0.20	3.9
R498838		11.36	0.019	0.42	7.27	14.4	2820	1.87	0.84	2.38	0.29	52.5	7.5	8	17.70	29.1
R498839		4.08	0.093	0.73	7.14	66.7	820	1.49	1.19	2.37	2.31	46.6	10.0	9	16.50	75.9
R498840		4.89	0.235	0.92	7.21	67.7	590	1.73	1.03	2.24	0.93	46.2	25.4	9	13.90	141.5
R498841		2.22	0.046	7.24	7.14	112.0	1960	1.29	7.84	1.08	123.0	21.0	4.3	9	17.85	128.0
R498842		1.23	1.440	6.28	5.42	366	840	1.06	3.51	1.71	7.57	30.7	5.9	6	7.49	94.6
R498843		3.45	0.056	1.06	7.11	107.0	1520	1.68	0.93	2.06	3.97	57.2	7.1	16	17.85	61.6
R498844		5.60	0.013	0.47	6.65	30.4	1970	1.55	2.14	2.43	0.56	55.0	6.1	9	17.60	57.7

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Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
R498809		3.18	18.85	0.09	1.1	0.071	2.52	31.4	58.6	0.60	507	1.58	0.09	8.4	2.0	670
R498810		3.14	17.90	0.10	1.1	0.064	2.46	30.0	55.4	0.59	500	1.34	0.09	8.2	2.0	670
R498811		2.81	19.30	0.10	2.2	0.043	2.46	32.3	33.9	0.78	836	1.96	0.07	9.5	2.4	900
R498812		3.30	16.70	0.11	1.0	0.101	2.94	31.6	30.4	0.86	907	0.41	0.08	7.5	2.6	600
R498813		5.40	16.45	0.12	1.1	0.335	3.09	30.0	28.6	0.79	1930	14.50	0.16	6.2	15.0	550
R498814		7.01	13.80	0.13	0.8	3.14	2.31	27.8	12.0	1.40	2570	2.69	0.03	5.8	2.8	440
R498815		3.60	17.50	0.09	1.0	0.125	3.26	30.3	16.9	0.75	686	1.70	1.10	7.8	2.7	620
R498816		4.07	18.30	0.13	1.1	0.308	3.23	35.8	18.7	0.83	640	2.13	1.23	8.2	2.4	640
R498817		3.74	17.60	0.11	1.0	0.270	3.14	31.6	16.8	0.77	613	2.78	1.37	8.0	2.4	630
R498818		6.45	16.10	0.11	0.9	0.196	3.14	26.0	13.7	1.03	1020	1.69	0.07	6.0	2.7	530
R498819		3.06	17.55	0.13	1.1	0.087	2.98	31.9	19.6	0.81	647	2.05	1.07	8.1	2.6	610
R498820		3.18	16.40	0.10	1.0	0.090	1.74	29.9	100.5	0.64	810	5.95	0.03	7.5	2.8	630
R498821		3.70	16.60	0.12	0.9	0.120	2.19	31.4	110.0	0.69	875	3.17	0.03	6.8	2.4	630
R498822		5.26	16.35	0.11	0.9	0.124	3.50	26.1	16.2	0.78	1130	1.63	0.05	5.4	2.7	560
R498823		10.05	14.65	0.13	0.7	0.607	2.85	24.4	9.0	0.90	1120	1.53	0.04	4.0	2.3	440
R498824		4.50	17.25	0.09	1.0	0.150	3.66	28.8	10.4	0.81	1260	0.80	0.06	5.6	2.6	580
R498825		4.94	16.55	0.09	1.0	0.170	3.58	27.7	10.0	0.85	1130	1.34	0.06	4.9	2.6	570
R498826		3.51	16.30	0.09	1.1	0.115	2.46	32.3	76.8	0.81	745	3.05	0.05	7.3	2.4	650
R498827		3.35	18.60	0.10	1.1	0.119	2.76	30.3	68.2	0.60	715	0.75	0.08	8.6	2.6	690
R498828		3.54	16.80	0.09	1.1	0.108	2.50	32.1	54.3	0.85	949	2.06	0.05	7.4	2.5	590
R498829		4.31	17.30	0.09	1.2	0.095	3.58	30.9	18.5	0.96	774	3.09	0.07	6.3	2.5	570
R498830		6.91	15.25	0.12	1.0	0.782	2.92	25.0	20.3	0.76	1810	8.53	0.13	6.2	11.6	550
R498831		3.93	16.35	0.10	1.0	0.139	3.20	26.9	23.4	0.89	912	9.07	0.07	6.6	2.5	550
R498832		3.35	15.70	0.09	1.0	0.053	2.70	28.3	17.9	0.89	686	3.96	0.93	7.3	2.4	540
R498833		2.93	15.45	0.08	1.0	0.060	2.62	27.3	16.2	0.69	430	4.43	1.50	7.3	2.5	560
R498834		2.79	14.35	0.08	1.0	0.078	1.88	28.7	54.7	0.93	462	1.99	0.06	7.2	3.0	580
R498835		2.72	15.25	0.10	1.2	0.078	2.46	30.3	24.1	0.95	773	2.27	0.05	6.9	2.0	560
R498836		5.49	16.30	0.12	1.0	0.897	3.18	34.2	10.8	0.49	1580	5.44	0.03	5.8	2.7	530
R498837		0.48	0.18	<0.05	<0.1	<0.005	0.03	0.5	1.0	12.10	216	0.07	<0.01	0.1	1.4	160
R498838		3.24	16.10	0.11	1.1	0.073	3.03	29.3	18.6	0.73	554	7.80	0.85	7.0	2.2	590
R498839		3.31	16.95	0.11	1.3	0.149	3.38	23.1	34.8	0.79	1030	4.42	0.11	6.7	2.7	620
R498840		3.47	17.25	0.10	1.1	0.132	3.47	23.8	10.6	0.67	878	10.25	1.13	6.8	2.8	620
R498841		2.19	14.80	0.09	1.1	0.256	3.53	10.9	8.0	0.50	684	3.10	0.30	6.7	1.5	540
R498842		5.61	14.35	0.10	0.9	0.229	2.55	17.6	12.0	0.65	2760	2.81	0.03	5.2	2.7	410
R498843		3.25	16.85	0.10	1.0	0.432	3.18	29.7	22.7	0.58	1580	0.95	0.56	7.9	3.7	600
R498844		2.57	15.60	0.12	1.2	0.181	3.01	29.5	21.4	0.69	753	2.02	0.45	7.2	3.2	540

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	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
R498809		20.0	104.0	<0.002	0.48	15.10	11.9	1	2.9	108.5	0.65	0.28	15.9	0.279	1.36	3.4
R498810		17.8	99.5	<0.002	0.49	14.45	11.4	1	2.8	104.5	0.65	0.27	15.8	0.278	1.29	3.4
R498811		17.3	100.5	<0.002	0.49	10.90	5.8	1	2.2	185.0	0.68	0.06	9.0	0.320	1.77	23.3
R498812		52.5	134.5	<0.002	0.69	10.50	10.4	1	2.6	86.5	0.57	0.14	14.8	0.251	2.04	4.8
R498813		526	169.0	0.003	2.76	27.9	9.7	1	5.7	115.0	0.50	0.26	11.3	0.217	2.53	5.0
R498814		3410	117.5	<0.002	5.79	139.0	9.2	1	24.7	78.6	0.42	0.16	9.1	0.188	2.51	8.7
R498815		85.3	139.5	<0.002	0.61	6.40	11.2	1	3.1	264	0.55	0.15	15.0	0.264	1.92	4.6
R498816		49.8	142.5	<0.002	0.54	4.77	11.9	1	5.1	260	0.62	0.29	16.3	0.282	1.78	4.2
R498817		43.1	132.5	<0.002	0.46	3.59	11.2	1	5.0	283	0.58	0.32	14.5	0.269	1.64	3.7
R498818		408	162.5	<0.002	4.05	10.30	9.9	1	9.0	72.3	0.44	0.63	12.5	0.209	2.24	5.5
R498819		40.1	134.0	<0.002	0.31	13.40	11.1	1	2.7	249	0.62	0.57	15.4	0.269	2.00	4.4
R498820		47.8	97.9	<0.002	1.25	52.8	10.8	1	3.2	93.1	0.54	0.25	13.4	0.256	1.73	9.7
R498821		46.5	124.5	<0.002	1.50	30.6	10.8	1	3.5	77.1	0.50	0.12	14.3	0.241	1.96	7.5
R498822		131.5	181.0	<0.002	4.32	16.85	9.9	7	6.5	55.0	0.40	0.15	12.3	0.206	2.75	4.5
R498823		1390	147.0	<0.002	9.57	140.5	8.3	2	13.6	28.2	0.30	0.76	9.1	0.149	2.10	3.7
R498824		96.3	197.0	<0.002	2.88	15.15	10.8	1	6.5	75.2	0.45	0.21	13.6	0.204	2.95	4.7
R498825		112.0	194.5	<0.002	3.40	15.25	10.2	1	7.5	68.9	0.40	0.32	12.3	0.187	2.93	4.2
R498826		56.6	120.0	0.002	1.21	22.8	10.8	1	3.3	155.5	0.58	0.08	14.5	0.253	2.06	5.2
R498827		46.8	123.5	<0.002	0.85	36.0	12.0	1	2.9	109.0	0.67	0.07	15.2	0.292	2.01	5.4
R498828		69.5	130.5	<0.002	1.26	39.4	11.1	2	3.1	121.0	0.59	0.09	14.4	0.241	2.14	5.8
R498829		239	170.0	<0.002	2.28	8.71	10.5	2	5.0	98.6	0.56	0.16	16.0	0.212	2.69	4.6
R498830		1340	165.5	<0.002	4.60	58.2	9.4	1	7.9	98.3	0.50	1.30	10.6	0.214	2.46	4.8
R498831		60.4	173.5	0.002	2.44	9.30	10.1	1	4.5	89.1	0.52	0.10	12.6	0.223	2.46	5.3
R498832		61.8	130.0	<0.002	1.13	3.89	10.1	1	2.1	234	0.55	0.05	13.0	0.233	1.67	3.9
R498833		22.2	113.5	<0.002	0.61	5.72	10.2	1	2.1	364	0.55	0.08	12.7	0.243	1.35	3.7
R498834		20.7	90.2	<0.002	0.65	8.60	9.8	1	2.2	158.0	0.54	0.05	13.0	0.244	1.19	3.0
R498835		21.8	121.5	<0.002	1.20	9.61	10.0	1	2.6	107.5	0.57	0.09	12.3	0.237	1.86	5.8
R498836		5060	159.5	<0.002	5.63	23.1	9.2	1	16.0	46.0	0.49	0.16	13.1	0.195	3.12	4.0
R498837		4.3	1.3	<0.002	<0.01	0.06	0.2	1	<0.2	46.0	<0.05	<0.05	<0.2	<0.005	<0.02	0.4
R498838		25.4	134.5	0.003	0.88	5.86	9.9	1	2.9	233	0.58	0.07	14.4	0.237	1.81	4.4
R498839		82.1	123.0	<0.002	2.16	23.1	10.2	1	3.9	113.0	0.57	0.23	12.6	0.232	2.57	5.9
R498840		66.2	156.0	0.002	2.30	17.80	11.3	1	4.4	225	0.57	0.12	12.9	0.232	2.74	4.6
R498841		2630	177.5	0.002	1.32	8.65	9.2	1	4.7	73.3	0.55	0.27	13.1	0.218	3.00	4.7
R498842		328	141.5	0.012	5.47	24.5	7.4	2	7.3	49.3	0.38	0.18	8.4	0.180	2.35	6.5
R498843		96.0	144.0	0.005	1.06	10.60	11.0	1	2.9	167.0	0.66	0.08	13.6	0.258	2.38	4.5
R498844		29.9	139.0	0.004	0.32	15.75	9.7	1	2.1	155.0	0.69	0.11	17.0	0.222	1.96	5.6

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 28-JUN-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15087003

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Ag-OG62	Zn-OG62
	Analyte	V	W	Y	Zn	Zr	Ag	Zn
	Units	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	1	0.1	0.1	2	0.5	1	0.001
R498809		74	4.0	15.2	72	30.7		
R498810		72	3.8	14.6	66	29.6		
R498811		47	3.8	12.5	198	79.9		
R498812		67	1.7	14.1	157	26.2		
R498813		67	5.5	11.8	914	33.8		
R498814		56	6.6	14.5	9680	20.4	168	
R498815		68	2.9	15.0	182	25.8		
R498816		74	4.6	15.8	118	29.2		
R498817		71	4.5	14.4	109	26.1		
R498818		61	4.2	12.4	587	22.7		
R498819		70	2.0	15.9	79	27.6		
R498820		69	3.2	14.3	84	25.2		
R498821		71	3.5	12.9	100	24.2		
R498822		64	5.1	10.4	173	22.9		
R498823		53	7.8	8.2	1130	19.3		
R498824		65	3.8	12.0	151	28.1		
R498825		64	4.3	11.3	158	25.5		
R498826		67	5.4	13.3	110	27.7		
R498827		76	3.6	14.6	123	29.4		
R498828		67	3.4	14.3	142	28.3		
R498829		64	5.0	12.9	585	29.9		
R498830		62	5.8	10.8	2450	30.4		
R498831		64	5.8	12.6	110	26.5		
R498832		62	3.8	13.7	97	26.3		
R498833		64	2.6	14.1	64	26.9		
R498834		60	3.2	12.5	65	26.9		
R498835		63	1.8	13.3	65	29.6		
R498836		58	10.7	10.1	>10000	25.8		1.625
R498837		1	0.1	0.7	27	<0.5		
R498838		63	2.8	13.5	71	28.9		
R498839		68	3.9	13.0	252	32.5		
R498840		68	3.0	13.9	136	26.7		
R498841		53	5.4	11.5	6330	31.6		
R498842		51	6.3	6.9	557	28.4		
R498843		69	2.9	14.9	539	26.7		
R498844		63	2.1	14.8	91	31.2		

***** See Appendix Page for comments regarding this certificate *****

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VANCOUVER BC V6B 1L8

Project: KLAZA

Finalized Date: 28-JUN-2015
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH15087003

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

Applies to Method:				
	BAG-06	CRU-31	CRU-QC	LOG-21
	LOG-21d	LOG-23	PUL-31	PUL-31d
	PUL-QC	SPL-21	SPL-21d	WEI-21

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:				
	Ag-OG62	Au-AA24	ME-MS61	ME-OG62
	Zn-OG62			

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 28-JUN-2015
Account: ROCKHA

CERTIFICATE WH15087005

Project: KLAZA

P.O. No.: Batch 8

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 15-JUN-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21d	Sample logging - ClientBarCode Dup
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
SPL-21d	Split sample - duplicate
BAG-06	Double Bagging Coarse Rejects
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31d	Pulverize Split - duplicate

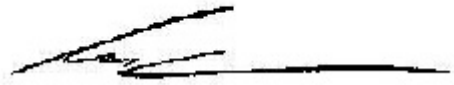
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Pb-OG62	Ore Grade Pb - Four Acid	VARIABLE
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	
Ag-OG62	Ore Grade Ag - Four Acid	VARIABLE
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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Finalized Date: 28-JUN-2015
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Project: KLAZA

CERTIFICATE OF ANALYSIS WH15087005

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
R498309		2.40	0.007	2.22	7.70	17.5	1190	1.67	0.52	0.74	4.85	53.6	4.5	7	14.45	4.2
R498310		2.11	0.016	83.1	7.37	73.6	940	1.76	1.46	0.17	9.34	55.3	7.7	7	10.80	26.5
R498311		3.32	0.007	37.7	7.78	46.7	1360	1.91	0.42	0.22	15.50	57.1	4.2	8	14.10	17.4
R498312		2.04	0.033	13.50	8.08	88.6	990	1.75	0.52	0.58	17.25	69.5	17.5	8	10.15	7.2
R498313		6.10	<0.005	0.09	0.06	0.4	20	<0.05	0.03	20.8	0.14	1.03	0.6	<1	0.33	2.1
R498314		3.08	0.019	7.84	8.42	115.0	1150	1.77	0.36	0.21	43.6	61.0	13.9	8	8.96	20.8
R498315		3.85	0.146	22.1	8.02	488	1610	1.73	1.08	0.14	27.8	56.1	5.5	9	15.90	83.3
R498316		4.24	<0.005	5.02	8.48	218	1970	1.91	0.20	0.43	86.5	55.4	6.5	8	10.60	66.3
R498317		6.02	<0.005	1.05	7.98	109.5	1880	1.86	0.22	0.66	25.0	54.7	4.5	9	16.05	10.7
R498318		3.49	0.015	2.18	7.63	126.5	3250	1.89	0.27	0.82	32.2	47.5	7.2	8	19.25	10.6
R498319		0.84	0.011	7.73	6.83	148.0	2640	1.60	0.31	0.20	16.85	48.8	3.7	6	25.9	21.6
R498320		4.72	0.006	1.24	8.04	61.3	2770	1.93	0.18	0.84	17.10	50.8	5.0	8	22.4	8.2
R498321		1.23	0.151	>100	7.09	532	2510	1.94	0.47	0.31	74.5	44.1	4.1	7	21.9	139.5
R498322		6.17	<0.005	0.15	0.06	0.6	30	0.06	0.02	21.0	0.26	1.14	0.6	<1	0.33	1.7
R498323		7.76	<0.005	0.77	7.45	9.0	2050	1.56	0.18	2.02	9.88	49.3	5.3	10	11.70	9.6
R498324		3.35	<0.005	0.19	7.80	8.2	2070	2.01	0.18	1.78	17.60	48.5	5.6	9	13.55	9.1
R498325		2.40	0.007	1.05	7.16	44.0	1100	1.67	0.23	1.76	14.10	34.7	3.3	9	19.60	5.4
R498326		2.70	0.073	24.6	8.66	276	1710	1.75	0.49	0.24	27.6	57.8	4.9	9	19.00	53.3
R498327		5.64	<0.005	0.36	7.42	12.3	2220	1.77	0.21	2.22	1.34	47.9	5.9	9	9.29	7.2
R498328		0.35	0.403	4.72	6.91	720	480	1.55	3.34	2.13	10.65	46.6	13.0	24	16.00	324
R498329		4.52	0.010	3.99	7.99	49.5	1680	1.92	0.29	0.88	7.20	53.0	5.4	9	11.50	9.8
R498330		7.13	<0.005	0.63	7.52	28.5	1210	1.74	0.32	1.41	3.05	48.0	4.2	9	11.10	5.1
R498331		2.15	<0.005	0.78	7.62	46.2	1770	1.73	0.20	0.91	4.29	48.9	12.5	8	16.85	6.4
R498332		1.67	0.008	8.64	6.74	48.9	1240	1.84	0.16	2.99	32.5	39.1	7.3	7	31.0	15.9
R498333		2.00	0.184	>100	6.64	403	1270	1.60	0.17	1.90	100.5	44.5	5.1	7	22.4	433
R498334		1.46	0.120	99.8	6.70	1300	1210	1.70	0.18	2.75	15.60	41.0	5.8	8	22.4	42.3
R498335		1.32	0.010	3.90	6.29	73.3	2950	1.36	0.30	3.52	9.70	40.4	5.8	7	16.60	10.8
R498336		5.46	0.149	22.8	6.95	1625	1990	1.63	0.37	2.23	27.8	44.0	10.3	11	14.95	152.0
R498337		4.94	0.036	1.85	7.17	219	1570	1.69	0.21	1.78	1.80	46.1	7.5	9	18.10	24.8
R498338		2.78	0.159	11.45	6.76	1305	730	1.59	0.30	2.79	25.2	42.1	10.4	8	14.00	40.3
R498339		4.46	0.018	0.83	7.33	194.0	1650	1.24	0.16	1.42	1.65	43.6	5.4	9	14.85	20.6
R498340		0.34	0.990	12.20	6.66	1555	510	1.48	11.60	1.91	32.3	43.3	17.2	18	13.35	286
R498341		4.50	0.057	2.24	7.85	83.7	1180	1.67	0.43	1.48	9.39	51.1	3.6	9	20.8	15.0
R498342		4.50	0.023	0.95	7.64	62.5	930	1.63	0.33	1.88	0.12	46.7	2.7	9	18.45	10.0
R498343		<0.02	0.023	0.90	7.42	61.8	930	1.62	0.34	1.87	0.12	44.8	2.7	8	17.85	8.6
R498344		3.48	0.738	2.08	6.65	108.0	1750	1.50	0.32	3.34	0.57	48.9	5.4	7	24.8	13.9

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VANCOUVER BC V6B 1L8

Finalized Date: 28-JUN-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15087005

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
R498309		2.96	17.25	0.10	1.0	0.146	2.98	29.1	42.3	0.20	1960	0.98	0.02	8.7	2.6	600
R498310		3.82	15.75	0.11	1.1	0.422	3.64	29.8	11.7	0.23	3730	1.66	0.03	7.9	2.0	570
R498311		3.11	16.40	0.11	1.2	0.205	3.83	30.5	14.4	0.19	3730	1.60	0.05	8.7	1.8	600
R498312		3.38	17.25	0.10	1.2	0.305	3.77	39.4	7.8	0.30	4130	1.52	0.06	8.2	2.4	550
R498313		0.49	0.19	<0.05	<0.1	<0.005	0.03	0.5	1.1	13.20	232	0.06	<0.01	0.2	1.3	170
R498314		3.36	16.45	0.12	1.1	0.246	4.08	34.4	7.0	0.28	11150	1.65	0.04	8.1	2.6	610
R498315		3.94	16.80	0.08	1.1	0.733	3.68	32.2	24.2	0.23	476	2.53	0.06	7.7	0.9	560
R498316		3.79	18.00	0.09	1.1	0.145	3.53	30.4	34.7	0.18	6800	8.33	0.53	8.3	2.8	680
R498317		3.33	17.40	0.09	1.2	0.064	2.87	30.1	40.9	0.30	2100	4.44	0.91	8.6	2.8	650
R498318		3.95	16.90	0.08	1.0	0.139	3.42	25.5	27.0	0.19	4530	4.98	0.03	7.5	2.4	570
R498319		2.81	15.65	0.09	0.9	0.135	3.01	28.5	35.9	0.20	3570	2.48	0.04	6.8	2.1	540
R498320		3.01	17.35	0.10	1.1	0.103	3.27	27.8	40.2	0.26	2870	2.75	0.28	7.9	2.4	600
R498321		3.97	15.50	0.08	1.0	0.090	3.22	24.1	18.1	0.23	7490	3.05	0.03	6.4	1.7	510
R498322		0.50	0.18	<0.05	<0.1	<0.005	0.03	0.5	1.0	13.15	254	0.07	<0.01	0.1	1.3	190
R498323		2.84	17.00	0.07	1.2	0.053	2.98	25.6	10.3	0.62	963	1.39	1.89	8.0	2.3	580
R498324		2.98	17.70	0.08	1.1	0.068	3.17	26.0	11.8	0.58	1130	1.45	1.77	8.1	2.3	610
R498325		3.04	17.90	0.09	1.2	0.158	3.72	15.8	34.9	0.18	4110	3.09	0.10	8.7	2.3	600
R498326		3.62	18.25	0.11	1.3	0.212	3.64	30.0	26.4	0.30	4330	2.18	0.25	9.0	2.7	600
R498327		2.82	18.00	0.10	1.2	0.051	2.91	24.0	8.2	0.66	695	1.40	2.35	8.6	2.6	620
R498328		5.17	16.45	0.10	1.0	0.329	3.14	26.0	28.8	0.81	2000	13.10	0.16	6.5	15.4	540
R498329		3.90	17.40	0.09	1.1	0.168	2.62	29.3	16.7	0.20	4690	1.53	1.38	7.9	2.7	590
R498330		2.90	16.75	0.09	1.1	0.060	1.88	26.2	17.1	0.23	1240	0.99	1.78	7.8	2.3	600
R498331		2.82	17.10	0.08	1.2	0.077	2.66	25.7	11.8	0.34	2530	1.79	1.60	8.1	2.8	610
R498332		3.13	16.50	0.08	1.1	0.069	3.27	19.0	71.4	0.58	4130	2.22	0.33	8.2	2.6	600
R498333		4.26	14.20	0.08	0.9	0.130	2.96	24.6	27.5	0.68	11350	3.08	0.37	6.5	2.0	510
R498334		3.64	15.45	0.07	0.9	0.137	3.18	21.2	15.6	0.70	4780	0.90	0.58	7.4	2.2	550
R498335		3.49	14.15	0.07	0.8	0.088	2.89	21.3	18.2	0.69	12650	1.10	0.34	6.2	2.1	480
R498336		3.31	15.50	0.10	1.0	0.086	3.30	22.6	11.6	0.73	2100	1.30	1.42	7.4	2.2	540
R498337		3.09	16.45	0.10	1.3	0.058	3.69	23.5	16.0	0.72	2070	0.69	0.31	7.9	2.2	580
R498338		4.40	14.05	0.10	0.9	0.129	3.29	22.9	16.3	0.97	3670	1.01	0.03	6.5	2.4	520
R498339		2.62	15.50	0.14	1.3	0.053	3.23	20.9	29.3	0.60	1140	1.55	0.11	8.1	4.8	630
R498340		6.79	15.90	0.10	1.1	0.799	2.97	21.8	19.5	0.79	1880	9.08	0.13	6.5	12.5	540
R498341		2.68	17.30	0.13	1.5	0.074	3.20	26.4	26.5	0.61	929	0.63	0.12	8.3	2.4	630
R498342		2.69	16.45	0.17	1.4	0.076	3.37	23.4	23.7	0.75	950	0.58	0.05	9.0	2.0	610
R498343		2.68	16.55	0.16	1.6	0.070	3.36	22.1	23.7	0.74	947	0.72	0.05	9.1	1.8	610
R498344		2.69	15.00	0.20	1.1	0.075	2.65	26.5	34.3	1.12	1240	1.00	0.03	6.6	2.4	500

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Finalized Date: 28-JUN-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15087005

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
R498309		42.2	174.5	<0.002	0.02	8.57	11.1	<1	2.4	89.5	0.66	0.07	14.5	0.262	2.83	2.6
R498310		3030	218	<0.002	0.03	33.4	10.3	<1	3.7	26.3	0.64	0.19	14.2	0.238	3.36	4.5
R498311		883	213	<0.002	0.01	16.15	11.7	1	2.7	48.6	0.68	<0.05	15.0	0.261	3.53	3.6
R498312		279	221	<0.002	0.03	9.69	12.4	1	3.2	38.9	0.64	0.21	14.9	0.261	3.53	3.1
R498313		3.5	1.7	<0.002	<0.01	0.07	0.2	1	<0.2	47.0	<0.05	<0.05	<0.2	<0.005	0.02	0.6
R498314		219	244	<0.002	0.04	8.88	10.5	1	3.2	66.5	0.60	0.05	16.1	0.254	3.69	4.6
R498315		2080	211	<0.002	0.22	23.0	10.8	1	3.9	106.0	0.58	<0.05	17.0	0.252	3.19	5.0
R498316		194.5	185.5	<0.002	0.03	14.55	12.2	1	2.1	95.8	0.60	<0.05	17.2	0.265	2.80	5.1
R498317		46.6	130.0	<0.002	0.01	8.68	11.6	<1	1.8	150.5	0.63	<0.05	16.7	0.275	1.87	3.3
R498318		240	187.0	<0.002	0.10	13.00	10.6	1	2.2	62.6	0.55	<0.05	14.5	0.247	3.21	4.1
R498319		553	169.5	<0.002	0.04	33.5	9.6	1	1.8	65.7	0.51	<0.05	14.3	0.219	3.20	3.9
R498320		96.5	167.5	<0.002	0.05	12.75	11.1	1	1.9	105.5	0.57	<0.05	14.7	0.260	2.72	3.7
R498321		>10000	208	<0.002	0.37	113.0	9.6	1	2.7	40.7	0.49	<0.05	13.9	0.213	3.39	11.1
R498322		28.9	1.4	<0.002	<0.01	0.15	0.2	1	<0.2	51.0	<0.05	<0.05	<0.2	<0.005	<0.02	0.7
R498323		137.0	120.0	<0.002	0.01	4.28	10.8	1	1.8	314	0.61	<0.05	14.1	0.254	1.63	2.1
R498324		22.9	136.0	<0.002	0.01	4.48	11.0	1	1.8	291	0.62	<0.05	14.7	0.257	1.79	2.3
R498325		56.1	164.5	<0.002	0.15	11.20	10.2	1	1.8	80.6	0.66	<0.05	10.9	0.273	3.04	3.0
R498326		488	177.0	<0.002	0.05	29.7	12.3	1	2.3	76.3	0.68	<0.05	16.9	0.292	2.64	5.2
R498327		23.0	105.5	<0.002	0.01	3.08	11.6	1	1.6	360	0.67	<0.05	14.6	0.264	1.36	2.6
R498328		499	154.5	0.003	2.80	27.8	9.9	1	5.7	112.0	0.46	0.35	11.9	0.217	2.59	5.4
R498329		428	146.0	<0.002	0.02	8.04	11.6	1	1.6	130.5	0.62	<0.05	14.9	0.244	2.35	3.9
R498330		19.5	94.4	<0.002	0.03	5.52	10.4	1	1.4	175.5	0.59	<0.05	14.3	0.245	1.47	3.8
R498331		38.9	129.5	<0.002	<0.01	6.48	10.8	1	1.6	222	0.64	<0.05	15.1	0.256	1.88	3.6
R498332		539	122.5	<0.002	0.22	12.20	10.4	1	2.2	149.5	0.61	<0.05	11.9	0.257	2.88	4.9
R498333		>10000	140.0	<0.002	1.33	401	9.5	1	2.1	104.5	0.49	<0.05	12.4	0.221	2.39	3.4
R498334		2770	145.0	<0.002	0.60	47.6	10.0	1	2.1	132.0	0.54	<0.05	12.0	0.240	2.54	5.3
R498335		505	125.5	<0.002	0.37	12.05	9.6	1	1.6	126.0	0.47	<0.05	10.7	0.202	2.09	4.2
R498336		1155	137.0	<0.002	0.65	32.2	10.2	1	2.0	252	0.55	0.05	13.9	0.240	2.01	5.0
R498337		167.0	156.0	<0.002	0.32	16.00	10.5	1	1.8	110.5	0.59	<0.05	13.6	0.252	2.39	4.5
R498338		2020	198.0	<0.002	2.34	26.6	9.2	1	2.0	93.6	0.46	<0.05	12.4	0.228	2.79	4.1
R498339		111.5	127.5	<0.002	0.25	23.1	10.6	1	1.9	98.9	0.65	<0.05	11.8	0.277	1.72	3.6
R498340		1300	163.0	0.002	4.81	66.1	9.9	2	8.1	96.1	0.53	1.11	10.6	0.222	2.54	5.1
R498341		533	156.0	<0.002	0.47	10.80	11.3	1	2.1	89.9	0.76	<0.05	13.8	0.274	2.69	12.3
R498342		17.5	172.5	<0.002	0.62	9.44	10.9	1	1.8	75.7	0.95	<0.05	13.3	0.260	2.85	7.0
R498343		17.9	161.0	<0.002	0.62	8.79	10.7	<1	1.8	74.3	0.98	<0.05	13.7	0.263	2.99	7.7
R498344		25.0	169.0	0.002	0.90	16.70	9.7	1	1.7	122.5	0.56	<0.05	12.2	0.214	2.52	5.3

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 28-JUN-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15087005

Sample Description	Method Analyte Units LOR	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Ag-OG62 Ag ppm 1	Pb-OG62 Pb % 0.001
R498309		66	6.4	15.3	314	27.2		
R498310		60	6.7	12.9	1080	27.4		
R498311		68	5.2	14.8	1320	30.8		
R498312		80	8.5	15.3	1160	30.1		
R498313		2	0.1	0.7	22	<0.5		
R498314		61	5.6	22.5	3780	29.3		
R498315		68	7.7	7.3	1160	26.9		
R498316		73	3.4	20.9	4110	29.0		
R498317		74	2.8	18.8	1820	33.0		
R498318		70	3.2	15.6	1920	26.2		
R498319		63	3.0	12.6	1540	25.0		
R498320		72	2.7	15.4	1490	28.5		
R498321		60	4.5	13.9	3650	24.8	183	3.00
R498322		1	0.1	0.7	32	<0.5		
R498323		70	1.8	16.8	580	31.0		
R498324		70	2.0	17.4	963	29.8		
R498325		75	3.0	11.9	1240	34.4		
R498326		75	3.9	16.0	2150	35.3		
R498327		71	1.7	17.5	185	35.5		
R498328		69	5.4	11.4	915	33.2		
R498329		68	2.3	14.6	781	29.5		
R498330		67	2.4	14.6	373	27.6		
R498331		69	2.4	16.1	542	32.8		
R498332		72	2.9	13.4	2340	28.8		
R498333		62	3.4	13.2	6160	23.3	814	1.670
R498334		66	2.4	14.0	1240	23.7		
R498335		61	2.2	20.8	662	23.0		
R498336		64	2.3	13.0	2030	27.2		
R498337		67	4.2	13.9	187	37.1		
R498338		63	3.0	13.6	2290	25.9		
R498339		71	7.6	14.2	155	30.5		
R498340		62	6.2	11.4	2420	29.8		
R498341		74	6.8	15.2	660	34.8		
R498342		66	4.5	15.0	46	32.4		
R498343		66	4.8	15.0	46	32.9		
R498344		57	4.1	13.1	108	27.0		

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: KLAZA

Finalized Date: 28-JUN-2015
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH15087005

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

Applies to Method:				
	BAG-06	CRU-31	CRU-QC	LOG-21
	LOG-21d	LOG-23	PUL-31	PUL-31d
	PUL-QC	SPL-21	SPL-21d	WEI-21

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:				
	Ag-OG62	Au-AA24	ME-MS61	ME-OG62
	Pb-OG62			

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 29-JUN-2015
This copy reported on 10-JUL-2015
Account: ROCKHA

CERTIFICATE WH15087009

Project: KLAZA

P.O. No.: TR-15-79e

This report is for 36 Rock samples submitted to our lab in Whitehorse, YT, Canada on 15-JUN-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
BAG-06	Double Bagging Coarse Rejects
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test

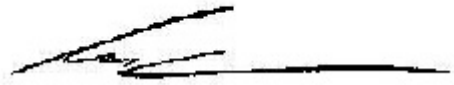
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
ME-MS61	48 element four acid ICP-MS	

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.

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VANCOUVER BC V6B 1L8

Finalized Date: 29-JUN-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15087009

Sample Description	Method	WEI-21	Au-AA24	Au-GRA22	Au-GRA22	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Au	Au Check	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Units	kg	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.05	0.05	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1
R498123		1.81	0.087			1.23	7.37	181.5	2070	1.72	1.33	0.98	9.90	58.0	8.3	13
R498124		2.57	0.089			0.98	7.67	183.0	2460	1.65	1.16	0.81	12.80	61.6	8.1	11
R498125		2.55	0.113			1.38	8.23	197.5	1800	1.78	1.51	0.46	16.75	69.5	12.1	11
R498126		2.33	0.050			1.34	8.19	162.5	1680	1.98	1.00	0.36	13.10	67.9	8.7	9
R498127		2.92	0.022			0.64	8.32	116.0	1940	1.90	0.89	0.53	9.02	55.3	8.5	8
R498128		2.38	0.020			0.77	8.61	136.0	2390	1.82	0.88	0.65	10.80	55.7	9.1	9
R498129		3.56	0.016			0.66	8.51	149.5	1870	1.87	0.78	0.38	8.46	52.9	9.5	8
R498130		1.79	0.180			2.42	8.25	231	1410	1.83	3.72	0.27	11.80	56.7	9.8	9
R498131		2.06	0.494			5.54	7.67	562	1000	1.83	8.87	0.25	22.9	60.6	10.0	9
R498132		2.78	0.600			6.58	7.50	341	1360	1.61	10.70	0.20	19.45	78.4	8.0	10
R498133		2.06	0.159			5.26	7.96	258	1000	1.67	8.05	0.19	13.15	109.0	3.7	10
R498134		2.75	2.01			6.33	6.19	1200	740	1.49	13.45	0.15	50.1	192.5	9.2	8
R498135		2.65	0.023			0.92	8.83	318	2060	1.26	0.92	0.13	15.40	34.8	4.9	8
R498136		2.30	0.038			0.74	8.84	302	3310	1.41	0.49	0.41	13.75	32.0	8.9	8
R498137		3.37	0.047			1.13	8.83	863	2340	1.37	0.75	0.16	21.5	38.0	4.1	8
R498138		1.69	0.167			4.98	7.42	1850	920	1.64	3.20	0.12	42.7	65.1	1.7	7
R498139		2.02	0.110			4.51	7.28	953	730	1.38	3.98	0.08	22.8	71.9	0.8	6
R498140		6.00	<0.005			0.03	0.06	2.0	30	0.05	0.04	19.80	0.17	1.09	1.1	<1
R498141		2.10	>10.0	8.68	9.21	19.15	6.23	4820	1600	1.69	19.75	0.17	122.0	58.1	2.5	8
R498142		1.89	0.059			1.80	8.27	175.5	1340	1.90	1.18	0.20	14.00	66.9	9.1	9
R498143		2.47	0.029			0.97	8.50	127.5	2110	1.54	0.67	0.28	13.65	61.0	8.5	9
R498144		1.86	0.029			0.70	8.38	324	2440	1.79	0.58	0.83	11.15	54.4	6.1	10
R498145		1.84	0.020			0.94	8.44	134.5	2170	1.54	0.44	0.29	12.50	49.6	5.4	8
R498146		3.09	0.323			1.61	6.11	237	370	1.06	2.47	0.21	40.5	42.1	8.0	6
R498147		1.92	0.017			0.52	8.21	159.0	2340	2.00	0.35	0.38	14.40	53.3	6.0	8
R498148		1.90	0.024			0.69	8.29	180.5	1460	1.81	0.43	0.23	17.85	79.3	6.7	10
R498149		0.21	0.353			4.92	6.81	729	550	1.39	3.32	2.09	10.45	47.5	11.6	26
R498150		2.21	0.029			0.69	8.05	410	2250	1.69	0.59	0.21	15.50	64.0	4.9	8
R498151		1.98	0.007			0.23	8.90	52.3	2200	1.20	0.16	0.23	7.33	54.9	6.1	8
R498152		2.31	0.014			0.52	9.08	377	2430	1.54	0.29	0.26	10.80	57.7	3.1	7
R498153		2.41	0.016			0.66	8.60	285	1860	1.42	0.33	0.33	8.61	54.7	5.4	8
R498154		1.86	0.064			1.15	9.02	167.5	2450	1.67	0.30	0.24	17.50	57.0	7.1	8
R498155		2.51	0.073			3.30	7.97	418	2270	1.87	0.99	0.16	26.7	63.3	6.7	7
R498156		1.52	1.065			11.00	5.75	698	3040	1.75	8.69	0.11	17.10	42.0	3.7	7
R498157		2.85	0.019			0.64	8.79	181.0	1440	1.68	0.25	0.25	12.70	60.2	7.8	8
R498158		1.65	0.015			0.41	8.67	348	1890	1.76	0.21	0.22	11.85	55.3	3.8	7

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 29-JUN-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15087009

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
	LOR	0.05	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1
R498123		9.59	66.8	3.34	17.05	0.09	1.2	0.188	2.70	30.7	22.7	0.68	802	1.98	1.86	8.3
R498124		11.00	75.7	3.35	16.85	0.09	1.2	0.177	2.50	33.7	43.3	0.52	969	2.31	1.30	8.8
R498125		13.55	96.2	3.56	18.50	0.11	1.2	0.291	2.78	38.5	61.1	0.34	1660	2.80	0.55	8.4
R498126		13.10	98.4	3.35	18.80	0.07	1.1	0.429	2.99	35.4	28.0	0.40	1400	2.45	0.52	7.9
R498127		9.90	57.2	3.31	17.85	0.12	1.1	0.343	3.06	29.2	17.5	0.72	842	1.98	1.44	8.1
R498128		11.05	66.6	3.69	17.85	0.12	1.2	0.265	3.30	27.5	17.6	0.83	1160	1.84	1.48	8.2
R498129		8.84	68.5	3.44	17.95	0.11	1.3	0.396	3.13	26.2	18.1	0.78	1000	1.70	1.08	8.4
R498130		7.48	102.5	4.25	18.00	0.09	1.1	0.987	3.27	33.0	14.5	0.84	1260	3.89	0.44	7.5
R498131		8.25	227	6.24	16.40	0.10	1.0	1.305	2.88	40.5	16.9	0.66	1060	5.15	0.28	6.2
R498132		6.86	178.0	5.75	16.05	0.07	1.0	1.295	3.16	50.9	12.7	0.45	848	3.51	0.13	6.4
R498133		6.82	150.0	3.48	16.70	0.10	1.2	1.345	3.46	74.9	12.9	0.30	461	2.49	0.19	7.2
R498134		8.40	500	10.05	14.15	0.09	0.7	0.582	2.15	132.5	21.6	0.18	1340	7.96	0.11	4.5
R498135		11.20	120.5	3.48	17.05	0.07	1.2	0.291	3.42	20.4	27.1	0.27	655	3.41	0.11	8.5
R498136		12.95	143.5	4.92	17.40	0.05	1.1	0.355	3.44	17.6	39.8	0.73	1040	2.22	0.38	8.3
R498137		13.60	196.5	4.72	17.90	0.07	1.2	0.635	3.33	22.5	35.5	0.35	444	3.15	0.12	8.8
R498138		19.45	195.5	4.94	16.15	0.09	1.1	1.865	3.42	44.6	12.9	0.26	302	4.16	0.05	6.9
R498139		24.3	59.9	2.20	15.75	0.06	1.2	0.931	3.32	48.9	11.4	0.28	198	3.69	0.04	7.1
R498140		0.17	2.4	0.45	0.38	0.33	<0.1	0.009	0.03	0.5	0.9	12.65	212	0.15	<0.01	0.1
R498141		11.60	365	9.14	13.15	0.05	0.9	15.85	2.78	38.5	13.9	0.21	404	4.81	0.03	5.3
R498142		13.35	236	4.67	16.95	0.18	1.2	0.247	3.56	38.3	38.5	0.22	1220	3.74	0.09	7.7
R498143		10.05	111.5	3.41	17.45	0.13	1.2	0.143	3.40	35.6	44.2	0.18	1180	3.14	0.19	8.4
R498144		10.85	110.5	4.00	16.95	0.13	1.3	0.101	3.30	28.2	15.5	0.64	674	2.64	1.36	8.2
R498145		13.45	143.0	4.28	16.50	0.10	1.2	0.169	3.72	24.0	27.8	0.41	1220	2.69	0.20	7.8
R498146		4.05	21.0	15.30	15.70	<0.05	0.9	0.363	0.78	22.6	114.5	1.19	4850	1.66	0.02	5.3
R498147		14.40	63.1	4.81	17.95	0.09	1.1	0.119	3.54	29.0	40.2	0.54	992	4.04	0.28	8.6
R498148		17.00	62.9	4.05	17.80	0.09	1.2	0.127	3.55	50.7	43.2	0.27	2070	5.61	0.09	8.0
R498149		13.20	308	4.99	15.90	0.08	1.1	0.316	3.04	25.4	25.7	0.80	1950	15.15	0.16	6.1
R498150		14.20	102.5	3.67	16.90	<0.05	1.1	0.139	2.07	37.2	58.3	0.17	978	4.18	0.07	7.5
R498151		19.95	50.5	3.18	18.00	<0.05	1.3	0.055	2.94	24.7	47.5	0.23	1080	2.36	0.11	8.8
R498152		17.10	85.7	3.41	18.70	0.10	1.4	0.081	3.39	30.1	30.7	0.19	392	2.74	0.13	9.1
R498153		14.85	169.5	3.90	17.60	0.09	1.1	0.084	3.28	28.7	36.1	0.38	476	3.54	0.44	7.7
R498154		26.5	92.9	3.95	19.70	0.08	1.1	0.183	3.82	28.6	51.2	0.19	2690	5.01	0.11	8.6
R498155		17.05	233	5.76	18.20	0.12	1.1	0.681	3.44	36.7	34.7	0.20	3380	7.53	0.05	7.5
R498156		13.30	271	5.78	13.10	0.09	0.8	1.090	2.56	29.1	29.7	0.17	1120	10.65	0.02	5.1
R498157		22.7	248	3.53	19.15	0.09	1.2	0.197	3.14	29.6	81.3	0.18	1880	5.35	0.05	8.6
R498158		15.20	458	3.72	18.20	0.08	1.1	0.214	2.71	29.1	137.0	0.16	479	6.57	0.06	8.0

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 29-JUN-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15087009

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Units	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.2	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005
R498123		5.7	650	131.5	120.0	<0.002	0.02	9.17	11.3	1	2.1	265	0.65	0.06	13.2	0.286
R498124		4.9	720	125.5	114.0	0.002	0.03	17.70	12.2	1	2.1	234	0.68	<0.05	13.8	0.302
R498125		4.2	700	201	150.0	<0.002	0.02	19.70	12.6	1	2.3	126.5	0.68	<0.05	15.8	0.279
R498126		3.3	660	426	168.0	<0.002	0.01	12.75	12.5	1	2.2	76.1	0.61	<0.05	15.4	0.259
R498127		4.1	700	61.3	160.5	<0.002	0.01	5.81	11.7	1	2.7	153.5	0.63	<0.05	14.0	0.277
R498128		4.8	710	136.0	146.5	<0.002	0.01	5.78	11.8	1	2.4	181.0	0.65	<0.05	14.7	0.292
R498129		3.7	710	84.7	157.0	<0.002	0.01	5.43	11.4	1	2.4	108.5	0.70	<0.05	14.7	0.284
R498130		3.6	680	125.5	193.0	<0.002	0.12	6.60	12.1	1	4.9	44.5	0.64	0.07	13.7	0.256
R498131		4.2	680	451	180.0	<0.002	0.08	9.74	12.1	1	6.1	29.9	0.51	0.14	12.8	0.219
R498132		3.0	600	670	205	0.002	0.31	7.16	10.6	1	7.8	37.1	0.52	0.19	12.5	0.222
R498133		2.2	560	848	214	<0.002	0.09	8.27	10.7	1	9.9	52.5	0.60	0.13	14.1	0.241
R498134		5.0	610	594	130.5	<0.002	0.05	47.0	9.3	1	6.5	27.8	0.39	0.76	10.4	0.161
R498135		2.6	410	141.5	162.0	<0.002	0.02	13.95	10.6	<1	3.7	52.7	0.66	<0.05	13.5	0.300
R498136		5.7	660	42.6	136.5	<0.002	0.02	9.40	11.3	1	2.2	98.5	0.65	<0.05	13.9	0.302
R498137		3.4	500	71.5	147.0	<0.002	0.06	19.25	10.8	1	2.4	75.5	0.72	<0.05	13.1	0.303
R498138		1.5	570	1500	207	<0.002	0.30	36.0	10.4	1	5.0	162.5	0.56	<0.05	13.6	0.234
R498139		0.8	300	1190	207	<0.002	0.18	23.9	9.1	<1	7.7	96.2	0.62	0.08	9.9	0.230
R498140		1.7	160	5.5	1.4	<0.002	<0.01	0.12	0.2	<1	<0.2	46.9	<0.05	<0.05	<0.2	<0.005
R498141		1.8	400	1450	161.5	<0.002	0.18	55.0	9.7	1	4.3	37.3	0.45	0.21	10.7	0.187
R498142		3.0	620	292	193.5	<0.002	0.02	24.4	11.7	1	2.7	65.0	0.61	0.05	14.1	0.263
R498143		3.0	650	149.5	162.5	<0.002	0.07	17.40	11.4	1	2.7	98.4	0.67	<0.05	14.8	0.285
R498144		4.3	680	104.0	151.5	<0.002	0.02	9.41	11.5	1	1.9	192.5	0.66	<0.05	14.2	0.279
R498145		3.3	650	311	184.0	<0.002	0.01	15.20	10.7	1	1.9	64.3	0.61	<0.05	14.0	0.274
R498146		3.1	450	202	51.5	<0.002	3.27	5.36	7.9	1	2.9	12.9	0.43	0.27	10.6	0.181
R498147		4.2	670	136.5	178.5	<0.002	0.01	13.45	12.5	1	2.4	87.6	0.66	<0.05	14.3	0.280
R498148		3.5	640	162.5	220	<0.002	0.03	24.2	11.8	1	3.0	51.0	0.65	<0.05	13.8	0.263
R498149		13.6	530	483	157.5	0.005	2.76	29.1	9.3	2	5.6	105.5	0.51	0.38	10.6	0.217
R498150		3.3	640	86.8	127.0	<0.002	0.04	42.4	12.1	1	2.2	68.7	0.59	<0.05	14.4	0.249
R498151		2.8	690	32.8	125.5	0.002	<0.01	18.70	11.8	1	1.9	68.6	0.72	<0.05	15.0	0.302
R498152		2.5	710	145.5	150.0	0.002	<0.01	25.2	10.9	1	1.9	74.2	0.74	<0.05	16.3	0.295
R498153		4.0	670	128.5	159.0	<0.002	0.01	28.2	12.0	1	2.5	82.0	0.62	<0.05	16.1	0.266
R498154		4.3	660	436	178.5	<0.002	0.01	16.50	12.7	1	2.8	83.5	0.63	<0.05	15.4	0.281
R498155		4.6	600	646	196.5	<0.002	0.10	41.3	12.3	1	5.0	47.2	0.58	<0.05	16.1	0.241
R498156		2.6	420	1005	142.5	<0.002	0.17	92.8	9.7	1	5.0	37.5	0.37	0.13	9.3	0.172
R498157		4.0	660	143.0	152.5	<0.002	0.02	26.4	13.5	1	2.3	100.5	0.66	<0.05	16.2	0.271
R498158		2.6	660	66.0	136.0	<0.002	0.03	20.1	13.4	<1	2.2	125.5	0.61	<0.05	16.4	0.258

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 29-JUN-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15087009

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Tl	U	V	W	Y	Zn	Zr
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.1	1	0.1	0.1	2	0.5
R498123		1.25	3.8	73	1.9	14.9	763	31.7
R498124		1.25	4.9	72	2.8	17.1	1120	31.9
R498125		1.81	5.6	73	2.8	20.0	1800	31.9
R498126		1.98	5.1	70	2.2	19.0	2030	28.9
R498127		1.78	3.8	74	1.9	15.1	1300	27.8
R498128		1.62	3.5	78	1.5	14.2	1480	29.1
R498129		1.85	3.8	77	1.7	13.6	1440	31.5
R498130		2.17	4.2	75	2.7	15.1	1240	28.1
R498131		2.01	9.3	69	3.1	21.9	1900	26.1
R498132		2.22	7.7	69	4.5	15.3	1410	24.7
R498133		2.37	5.2	71	6.8	13.1	746	28.1
R498134		1.46	15.8	90	5.1	22.2	2910	20.1
R498135		1.81	5.4	83	4.3	13.0	1260	30.4
R498136		1.34	6.1	76	6.0	14.9	1580	27.9
R498137		1.61	6.6	76	6.3	16.0	1610	30.2
R498138		3.23	6.2	73	4.7	13.3	1080	28.6
R498139		2.76	2.9	64	5.6	10.5	318	29.5
R498140		0.02	0.6	2	0.1	0.7	20	<0.5
R498141		2.50	11.7	58	4.4	15.2	2040	22.7
R498142		2.87	9.3	71	4.1	16.3	2020	31.0
R498143		2.19	6.6	73	3.5	15.5	1360	30.6
R498144		1.76	4.9	75	3.2	16.9	1310	31.8
R498145		2.50	5.6	72	3.9	13.7	1870	29.5
R498146		0.83	2.9	46	10.0	8.1	1140	22.4
R498147		2.31	5.9	76	4.2	16.4	1930	29.4
R498148		3.65	7.1	72	3.8	17.7	1600	30.3
R498149		2.51	5.0	68	5.6	11.7	875	30.1
R498150		1.58	7.3	71	2.8	16.5	1620	28.4
R498151		1.38	4.9	79	3.7	13.3	1130	32.1
R498152		1.57	5.6	77	2.8	15.2	1400	34.2
R498153		1.81	7.2	74	1.8	14.8	1880	29.1
R498154		2.34	7.2	77	3.1	15.0	2270	29.3
R498155		3.49	11.8	68	5.6	16.6	2560	28.2
R498156		2.35	11.2	53	5.0	14.6	1860	20.8
R498157		2.69	9.6	76	3.9	15.1	2140	31.5
R498158		2.06	12.0	73	2.3	13.4	2010	27.7

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: KLAZA

Finalized Date: 29-JUN-2015
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH15087009

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-23	PUL-31	PUL-QC	SPL-21
WEI-21			

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	Au-GRA22	ME-MS61

ALS Canada Ltd.

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 26-JUN-2015
Account: ROCKHA

CERTIFICATE WH15087010

Project: KLAZA

P.O. No.: TR-15-79f

This report is for 14 Rock samples submitted to our lab in Whitehorse, YT, Canada on 15-JUN-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
BAG-06	Double Bagging Coarse Rejects
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test

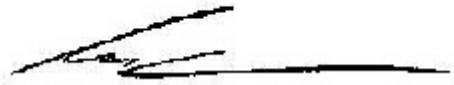
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.

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VANCOUVER BC V6B 1L8

Finalized Date: 26-JUN-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15087010

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
R498159		2.29	0.025	0.57	8.13	150.5	1540	1.28	0.25	0.19	8.13	40.1	1.4	8	21.2	569
R498160		2.90	1.025	6.02	6.41	1930	2180	1.07	3.18	0.21	27.3	49.1	1.5	7	52.5	335
R498161		2.08	0.214	6.79	7.55	2620	2490	1.48	1.35	0.15	33.5	61.4	7.1	9	17.20	949
R498162		1.96	1.145	10.85	5.40	4210	3120	1.58	4.12	0.17	65.8	38.1	3.9	8	12.00	564
R498163		1.56	0.035	1.40	7.98	651	2020	1.96	0.55	0.40	22.0	64.5	8.6	8	14.60	452
R498164		1.65	0.034	0.65	8.33	370	2570	1.59	0.42	0.68	11.10	55.3	6.3	9	16.10	166.0
R498165		2.08	0.020	0.50	8.58	204	1920	1.62	0.34	0.37	12.85	56.6	7.6	9	16.45	141.0
R498166		1.96	0.080	0.75	8.23	116.0	1540	1.65	0.67	0.26	15.60	62.7	8.4	9	12.05	66.0
R498167		2.14	0.207	2.00	7.98	218	1850	1.68	2.19	0.27	21.3	65.9	11.7	9	11.55	69.6
R498168		3.22	0.232	3.51	6.22	398	2740	1.40	2.47	0.22	20.8	74.8	4.8	9	17.25	95.3
R498169		3.57	0.163	1.74	7.24	326	2450	1.66	0.72	0.49	33.3	55.4	9.2	13	21.8	58.9
R498170		6.00	<0.005	0.01	0.07	0.6	60	0.07	0.04	20.0	0.10	1.13	0.7	<1	0.16	2.1
R498171		2.59	0.006	0.18	7.60	25.9	2430	1.48	0.16	1.68	5.11	55.0	5.6	8	7.57	20.1
R498172		0.21	0.373	4.38	6.62	735	380	1.33	3.45	2.04	10.85	46.8	12.1	25	13.55	322

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 26-JUN-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15087010

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
R498159		4.38	16.40	0.13	1.0	0.643	2.88	22.8	31.1	0.19	422	9.57	0.06	7.8	2.8	530
R498160		6.71	15.10	0.13	1.1	2.51	2.62	28.6	24.3	0.21	880	27.3	0.04	6.6	2.1	620
R498161		6.59	17.15	0.16	1.0	1.840	3.41	37.0	12.6	0.26	3400	16.35	0.05	7.1	4.1	550
R498162		7.43	13.05	0.15	0.8	1.510	2.51	31.9	25.1	0.21	1640	14.95	0.03	4.5	3.4	510
R498163		5.21	16.70	0.19	1.1	0.202	3.66	43.2	32.1	0.31	3190	6.30	0.46	7.6	4.1	690
R498164		3.72	16.95	0.14	1.3	0.104	3.25	30.2	15.5	0.52	690	2.45	1.50	8.4	4.7	670
R498165		3.36	17.45	0.16	1.2	0.085	2.92	31.1	59.3	0.25	1540	3.51	0.23	8.3	5.0	690
R498166		4.01	17.50	0.15	1.0	0.205	3.35	37.3	47.0	0.21	1840	4.05	0.12	7.4	4.7	630
R498167		4.01	17.80	0.15	1.1	0.494	3.01	41.5	40.3	0.23	1880	5.29	0.14	7.6	5.5	610
R498168		4.76	14.95	0.15	0.8	1.260	2.80	52.1	26.9	0.21	1090	6.00	0.16	5.3	3.3	500
R498169		3.87	15.70	0.14	1.3	0.382	2.62	36.0	37.9	0.28	4270	7.07	0.38	7.6	7.2	630
R498170		0.48	0.20	0.10	<0.1	0.005	0.02	0.6	0.9	12.45	217	0.12	<0.01	0.2	1.7	170
R498171		2.97	16.70	0.17	1.2	0.067	2.67	30.7	28.3	0.69	832	1.31	1.94	8.4	3.7	630
R498172		4.99	15.50	0.13	1.1	0.305	2.99	26.1	23.4	0.75	1870	13.90	0.15	6.4	14.6	520

***** See Appendix Page for comments regarding this certificate *****

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Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15087010

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
R498159		47.5	151.5	<0.002	0.04	16.10	10.1	1	1.9	75.1	0.64	<0.05	14.3	0.255	2.45	16.8
R498160		675	165.5	<0.002	0.51	114.5	7.4	<1	5.9	171.0	0.54	0.08	13.4	0.215	3.05	12.7
R498161		439	214	<0.002	0.09	75.1	9.6	1	3.8	58.2	0.56	0.07	15.5	0.228	3.60	14.2
R498162		1540	176.0	<0.002	0.30	119.5	10.1	1	7.2	46.3	0.36	0.22	9.3	0.147	2.21	14.5
R498163		555	208	<0.002	0.04	22.2	13.1	1	3.2	88.8	0.59	<0.05	14.4	0.249	2.79	10.0
R498164		58.2	152.5	<0.002	0.01	9.68	12.2	1	1.7	202	0.67	<0.05	15.5	0.271	1.55	5.2
R498165		63.0	153.0	<0.002	0.01	17.05	12.2	1	1.9	88.8	0.67	<0.05	16.1	0.267	1.86	5.6
R498166		231	197.5	<0.002	0.06	8.48	11.7	1	3.1	53.4	0.59	<0.05	15.5	0.234	2.80	7.6
R498167		416	185.0	<0.002	0.19	17.70	11.4	1	4.1	61.2	0.63	0.09	15.9	0.233	2.38	7.2
R498168		622	167.0	<0.002	0.12	16.35	8.6	1	3.4	56.5	0.43	0.10	12.1	0.172	2.15	8.3
R498169		388	140.0	<0.002	0.14	22.6	11.3	1	2.4	137.0	0.59	<0.05	13.9	0.251	2.44	7.4
R498170		2.3	1.0	<0.002	<0.01	0.07	0.2	<1	<0.2	47.8	<0.05	<0.05	<0.2	<0.005	0.02	1.2
R498171		37.7	112.5	<0.002	0.02	5.97	11.1	1	1.7	361	0.68	<0.05	15.2	0.269	1.07	3.3
R498172		494	150.5	0.002	2.73	28.0	9.1	1	5.5	110.5	0.52	0.31	11.9	0.208	2.38	5.2

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VANCOUVER BC V6B 1L8

Finalized Date: 26-JUN-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15087010

Sample Description	Method / Analyte / Units / LOR	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
R498159		75	3.5	9.8	2440	26.8
R498160		65	7.3	5.8	1480	26.9
R498161		75	5.2	11.8	2110	27.9
R498162		55	4.3	27.9	1920	20.8
R498163		71	2.8	26.3	2600	30.8
R498164		77	1.8	18.9	1060	35.7
R498165		77	2.8	18.5	1200	34.5
R498166		75	3.1	18.2	1540	27.4
R498167		76	3.8	18.1	1300	31.7
R498168		61	5.1	15.0	1610	22.5
R498169		72	4.0	21.4	2010	35.6
R498170		2	0.1	0.8	21	<0.5
R498171		73	1.4	19.1	388	35.7
R498172		66	5.5	12.0	878	33.2

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Project: KLAZA

Finalized Date: 26-JUN-2015
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH15087010

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-23	PUL-31	PUL-QC	SPL-21
WEI-21			

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	ME-MS61

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 2-JUL-2015
Account: ROCKHA

CERTIFICATE WH15088812

Project: KLAZA

P.O. No.: BATCH 10

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 17-JUN-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21d	Sample logging - ClientBarCode Dup
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
SPL-21d	Split sample - duplicate
BAG-06	Double Bagging Coarse Rejects
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31d	Pulverize Split - duplicate

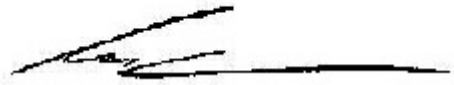
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Zn-OG62	Ore Grade Zn - Four Acid	VARIABLE
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.

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Finalized Date: 2-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15088812

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-AA24 Au ppm 0.005	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05	ME-MS61 Cu ppm 0.2
R498345		1.65	0.256	1.83	4.04	96.6	330	1.21	0.24	6.53	0.34	32.6	4.2	4	14.60	7.8
R498346		3.99	0.140	0.54	5.76	54.5	3970	1.27	0.17	2.14	0.16	41.7	4.1	6	21.4	7.2
R498347		3.18	0.010	0.28	6.07	30.2	2240	1.35	0.16	3.36	0.17	41.9	3.3	5	22.0	4.4
R498348		4.58	0.696	48.7	4.00	1065	580	1.04	2.01	2.61	105.5	30.0	11.9	5	13.30	93.2
R498349		6.12	<0.005	0.09	0.07	1.0	30	0.07	<0.01	21.0	0.19	1.26	0.7	<1	0.22	2.7
R498350		2.13	0.017	1.60	6.70	116.5	2860	1.57	0.62	1.74	2.76	42.1	5.4	8	16.20	20.3
R498351		5.46	0.147	3.21	7.05	727	380	1.35	0.24	0.81	10.55	49.6	5.3	9	16.55	7.5
R498352		3.33	0.220	4.98	4.23	816	1460	0.99	0.11	5.33	28.7	32.3	4.1	6	11.05	19.6
R498353		3.53	0.235	4.46	5.71	878	730	1.27	0.10	3.58	8.80	40.2	5.3	7	14.95	13.1
R498354		5.13	0.131	3.72	6.94	871	470	1.57	0.14	2.19	8.90	51.1	7.2	7	20.8	27.7
R498355		4.05	1.955	38.5	6.35	2480	430	1.41	0.10	1.84	84.4	41.2	6.2	8	19.95	180.5
R498356		4.88	0.132	8.43	6.79	630	970	1.48	0.12	1.93	29.3	45.3	7.3	7	20.4	41.0
R498357		3.13	0.011	0.66	6.42	44.3	520	1.67	0.16	1.96	1.55	35.3	5.1	7	21.1	8.6
R498358		1.91	0.639	31.4	5.95	1215	640	1.38	0.13	2.04	65.6	42.4	5.2	7	16.20	227
R498359		6.19	<0.005	0.10	0.07	1.1	60	<0.05	<0.01	21.2	0.12	1.17	0.8	<1	0.19	1.6
R498360		6.62	<0.005	0.20	8.01	14.1	2250	1.51	0.27	2.03	0.26	58.3	6.9	17	14.80	13.1
R498361		1.70	2.11	20.3	6.50	6310	310	1.29	0.35	1.91	16.90	53.1	4.8	7	16.20	54.7
R498362		5.42	0.016	1.77	7.22	124.5	2000	1.29	0.17	1.89	2.34	47.7	4.6	9	15.35	34.0
R498363		2.82	0.012	0.99	6.96	62.6	2110	1.36	0.18	2.01	1.82	40.3	4.7	9	16.15	36.4
R498364		7.57	<0.005	0.09	7.05	5.7	2130	1.35	0.15	2.49	0.12	44.2	5.5	10	14.00	9.0
R498365		4.90	<0.005	0.26	7.28	7.1	2070	1.39	0.14	2.22	1.33	48.7	5.6	9	15.00	12.9
R498366		0.34	0.892	11.65	6.52	1570	350	1.25	11.95	1.87	32.8	48.3	18.1	19	14.80	292
R498367		1.54	0.106	32.1	6.58	642	1250	1.63	0.23	1.91	30.3	46.5	8.5	7	24.2	29.9
R498368		4.20	<0.005	0.21	7.53	7.6	2230	1.43	0.19	2.35	0.19	46.5	4.8	9	14.45	22.9
R498369		3.87	0.020	0.36	6.77	93.0	1580	1.60	0.15	2.47	0.41	45.5	5.8	9	22.8	9.9
R498370		1.66	0.720	33.5	5.09	5470	810	1.20	0.34	3.73	14.80	40.4	5.4	6	15.05	29.1
R498371		8.08	<0.005	0.17	6.59	15.1	1930	1.50	0.22	2.44	0.12	39.9	4.5	11	16.95	11.6
R498372		6.32	0.281	0.99	6.18	102.0	1790	1.47	0.43	2.82	0.36	43.3	5.1	7	16.55	17.0
R498373		<0.02	0.365	0.96	6.68	100.0	1770	1.53	0.37	2.79	0.32	49.9	5.0	8	17.35	16.5
R498374		3.84	0.008	0.15	6.80	12.5	2170	1.44	2.66	2.39	0.12	47.0	5.6	8	15.95	32.7
R498375		7.27	<0.005	0.08	7.03	5.6	2160	1.50	0.15	2.64	0.08	46.8	5.3	11	14.35	10.1
R498376		3.90	<0.005	0.20	6.71	25.3	1670	1.60	0.16	2.41	0.30	46.4	6.0	8	21.1	11.5
R498377		0.35	1.725	38.9	5.36	2400	100	1.09	35.2	1.59	43.0	34.7	15.5	21	9.46	1155
R498378		2.00	0.344	3.33	5.41	1840	380	1.31	0.25	4.49	17.80	38.1	5.6	8	13.70	15.3
R498379		7.57	<0.005	0.16	7.44	11.3	1880	1.43	0.15	2.06	0.18	48.1	5.2	11	17.25	9.7
R498380		10.29	<0.005	0.13	7.09	10.0	2280	1.51	0.19	2.71	0.16	46.9	6.6	12	13.05	14.3

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Project: KLAZA

CERTIFICATE OF ANALYSIS WH15088812

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
R498345		3.63	9.89	0.07	0.6	0.046	1.83	17.6	28.9	2.07	2340	0.78	0.02	3.7	2.3	290
R498346		2.15	12.45	0.08	0.9	0.040	2.23	23.6	56.4	0.77	816	0.82	0.03	6.0	1.8	450
R498347		2.67	12.80	0.10	1.0	0.065	2.60	23.8	21.4	1.10	1260	0.94	0.01	6.2	1.5	430
R498348		4.24	9.16	0.06	0.7	0.718	1.90	16.4	20.5	0.44	2300	12.35	0.02	3.9	2.3	290
R498349		0.48	0.21	0.06	<0.1	<0.005	0.03	0.6	1.0	12.85	222	0.08	<0.01	0.2	1.2	190
R498350		3.21	14.80	0.08	1.3	0.112	3.26	21.5	20.7	0.68	2120	1.31	0.03	7.5	2.0	540
R498351		3.38	14.70	0.06	1.3	0.028	3.25	27.6	15.2	0.45	5100	1.71	0.02	7.2	2.2	490
R498352		3.43	9.49	<0.05	0.7	0.030	1.91	18.0	27.0	1.74	4600	2.87	0.01	4.1	1.4	230
R498353		3.10	12.75	<0.05	1.0	0.027	2.62	23.0	19.4	1.20	3610	3.27	0.01	5.6	2.0	370
R498354		2.53	15.55	0.07	1.4	0.047	3.23	27.6	16.6	0.74	2860	1.86	0.02	7.4	2.2	540
R498355		3.32	14.70	<0.05	1.2	0.061	2.96	20.9	18.2	0.67	3470	1.59	0.02	6.7	2.3	490
R498356		2.98	14.90	0.05	1.1	0.044	2.81	23.9	48.2	0.69	3360	1.21	0.02	6.9	2.4	530
R498357		2.70	14.95	0.05	1.1	0.037	2.11	17.3	225	0.64	1990	1.53	0.02	6.9	1.9	560
R498358		3.89	13.35	0.05	0.9	0.347	2.87	23.3	30.3	0.70	5360	1.24	0.02	5.9	2.1	420
R498359		0.50	0.21	0.05	<0.1	<0.005	0.03	0.6	1.5	13.00	227	0.19	<0.01	0.1	1.3	190
R498360		3.18	17.20	0.19	1.3	0.086	3.39	30.1	27.4	0.77	728	0.84	1.83	8.2	2.6	630
R498361		4.22	14.30	0.08	0.9	0.154	3.62	28.8	14.8	0.62	1780	0.90	0.27	6.5	2.0	510
R498362		3.06	15.90	0.07	1.1	0.084	3.19	24.9	31.7	0.63	1130	1.43	0.76	7.2	2.0	590
R498363		3.09	15.65	0.06	1.1	0.093	3.15	20.3	25.0	0.62	1140	1.10	0.92	7.2	2.1	570
R498364		2.85	15.90	0.07	1.1	0.051	2.94	22.3	13.7	0.65	589	1.03	1.91	7.3	2.1	570
R498365		3.18	16.20	0.08	1.2	0.075	2.86	25.5	22.2	0.71	715	1.63	1.38	7.7	2.3	600
R498366		6.64	15.30	0.14	1.1	0.793	2.98	25.2	20.3	0.77	1760	8.41	0.13	6.1	11.9	540
R498367		3.06	15.50	0.18	1.1	0.060	3.33	24.6	60.3	0.67	2090	1.38	0.09	6.9	2.6	520
R498368		3.28	16.80	0.17	1.2	0.077	3.19	23.5	32.7	0.66	602	1.25	1.38	7.7	2.1	630
R498369		2.97	15.65	0.15	1.3	0.070	3.27	22.4	37.0	0.71	1310	1.66	0.79	7.9	2.3	570
R498370		3.70	10.95	0.13	0.9	0.096	2.35	21.9	33.7	0.83	3280	3.42	0.03	5.1	2.2	360
R498371		2.66	15.80	0.16	1.3	0.060	3.10	19.5	93.6	0.61	767	1.60	0.91	7.8	2.0	560
R498372		2.89	14.35	0.15	1.1	0.105	2.69	22.7	108.0	0.87	1400	1.57	0.04	6.7	2.5	510
R498373		2.96	14.40	0.15	1.1	0.106	2.79	28.0	108.0	0.91	1440	1.63	0.05	6.7	2.7	490
R498374		2.81	15.85	0.16	1.2	0.066	2.95	23.4	18.8	0.59	596	31.5	1.71	7.6	2.3	580
R498375		2.84	15.80	0.16	1.2	0.045	2.85	23.3	10.3	0.68	537	1.19	2.29	7.4	2.2	580
R498376		3.17	15.85	0.15	1.2	0.066	3.03	22.3	41.8	0.71	1190	1.23	1.08	7.7	2.5	680
R498377		8.91	13.35	0.12	0.8	1.500	2.60	17.5	16.2	0.64	2200	15.15	0.06	4.4	13.7	420
R498378		4.29	12.20	0.13	0.8	0.103	2.67	21.1	21.8	1.29	5670	2.09	0.02	5.3	2.2	400
R498379		2.88	16.20	0.14	1.2	0.052	3.06	25.1	41.6	0.65	843	1.12	1.24	7.7	2.2	590
R498380		3.02	16.10	0.15	1.3	0.047	2.87	23.8	11.5	0.72	632	1.25	2.25	7.8	2.5	590

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 2-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15088812

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
R498345		33.2	122.0	<0.002	1.24	20.8	5.3	1	1.0	230	0.31	<0.05	7.1	0.123	1.90	10.0
R498346		11.6	106.0	<0.002	0.40	29.0	7.7	1	1.3	133.0	0.51	<0.05	11.1	0.196	1.82	3.9
R498347		13.3	134.0	<0.002	0.21	10.45	7.4	<1	1.5	150.0	0.52	<0.05	12.1	0.192	2.15	5.7
R498348		8940	102.5	0.003	4.25	71.0	5.0	1	2.1	57.9	0.33	0.44	7.0	0.123	1.72	16.9
R498349		11.4	1.4	<0.002	<0.01	0.15	0.2	<1	<0.2	49.5	<0.05	<0.05	<0.2	<0.005	<0.02	0.6
R498350		150.5	141.0	<0.002	0.97	16.10	8.5	1	1.9	87.4	0.65	0.12	13.1	0.226	2.59	7.1
R498351		631	175.0	<0.002	1.71	24.0	8.7	1	2.4	29.2	0.66	<0.05	13.9	0.231	2.94	7.5
R498352		1080	104.0	<0.002	0.97	29.4	5.4	<1	1.7	105.0	0.37	<0.05	8.2	0.129	1.79	8.1
R498353		323	147.5	<0.002	1.09	36.7	7.0	1	1.8	77.4	0.50	<0.05	10.9	0.180	2.46	8.5
R498354		297	169.0	<0.002	1.12	34.7	9.0	1	1.8	105.0	0.66	<0.05	13.2	0.232	3.05	5.0
R498355		4390	133.5	<0.002	1.81	93.9	8.2	1	2.6	156.5	0.58	<0.05	11.0	0.217	2.90	4.7
R498356		1605	124.5	<0.002	0.81	22.7	9.1	1	2.7	191.0	0.57	<0.05	12.2	0.232	2.79	4.9
R498357		97.9	78.0	<0.002	0.24	22.4	8.7	1	1.9	160.0	0.56	<0.05	9.8	0.234	1.98	4.0
R498358		3520	175.5	<0.002	2.56	88.0	7.8	1	2.9	84.2	0.50	<0.05	11.1	0.189	2.54	8.2
R498359		5.3	1.3	<0.002	<0.01	0.17	0.2	<1	<0.2	53.7	<0.05	<0.05	<0.2	<0.005	<0.02	0.7
R498360		25.8	145.0	<0.002	0.10	8.79	10.5	1	1.9	287	0.66	<0.05	13.1	0.284	1.84	4.1
R498361		1890	197.0	<0.002	3.13	155.0	8.5	1	2.7	108.0	0.52	<0.05	13.0	0.209	2.66	4.6
R498362		212	125.5	<0.002	0.13	17.30	9.6	1	1.9	177.5	0.55	<0.05	12.4	0.248	1.75	3.2
R498363		89.6	123.5	<0.002	0.11	16.45	9.2	1	2.1	190.5	0.52	<0.05	11.3	0.240	1.81	3.1
R498364		17.2	101.5	<0.002	0.02	4.02	9.4	1	1.7	336	0.56	<0.05	11.4	0.246	1.25	3.3
R498365		42.9	110.0	<0.002	0.04	5.86	10.1	<1	1.8	277	0.57	<0.05	13.1	0.257	1.30	3.6
R498366		1310	169.0	<0.002	4.57	64.6	9.1	2	7.6	95.4	0.50	1.05	11.9	0.205	2.53	5.5
R498367		8190	148.0	<0.002	1.15	40.8	9.6	1	2.2	113.0	0.53	<0.05	12.4	0.227	2.82	5.8
R498368		33.9	126.0	<0.002	0.04	7.12	10.8	1	1.8	268	0.61	<0.05	13.4	0.270	1.52	4.2
R498369		36.2	139.5	<0.002	0.26	8.80	9.4	<1	2.0	213	0.71	<0.05	13.1	0.245	2.38	5.1
R498370		7930	144.0	<0.002	1.73	83.5	6.6	<1	1.9	166.0	0.45	0.06	10.3	0.163	2.30	6.9
R498371		24.2	111.5	<0.002	0.11	8.59	9.0	<1	1.7	269	0.70	0.07	11.3	0.243	1.72	4.2
R498372		36.4	118.0	<0.002	0.60	19.10	8.4	<1	1.6	145.0	0.61	0.13	12.0	0.209	2.23	5.1
R498373		29.1	150.5	<0.002	0.58	18.60	8.6	1	1.7	146.5	0.59	0.08	13.5	0.212	2.22	5.4
R498374		16.6	115.5	0.002	0.11	14.25	9.7	<1	1.7	308	0.64	1.48	14.5	0.245	1.37	4.3
R498375		16.7	107.5	<0.002	0.02	1.54	9.8	1	1.7	381	0.61	<0.05	13.6	0.248	1.14	4.0
R498376		20.2	120.5	<0.002	0.11	9.06	10.5	1	1.9	254	0.62	<0.05	11.3	0.265	1.93	4.2
R498377		1615	139.0	<0.002	7.37	98.0	7.6	1	9.9	59.9	0.37	0.65	9.0	0.158	2.14	5.4
R498378		353	178.5	<0.002	1.58	35.0	7.4	<1	2.1	107.5	0.45	<0.05	10.3	0.170	2.63	6.5
R498379		18.8	125.0	<0.002	0.07	8.01	10.0	1	1.7	262	0.64	<0.05	14.0	0.252	1.56	4.1
R498380		20.1	103.0	<0.002	0.04	1.94	9.8	<1	1.7	382	0.64	<0.05	13.8	0.250	1.22	4.3

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 2-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15088812

Sample Description	Method / Analyte / Units / LOR	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Zn-OG62 Zn % 0.001
R498345		38	1.7	12.6	64	15.2	
R498346		55	3.4	12.8	75	24.7	
R498347		53	3.3	14.3	71	27.4	
R498348		37	3.6	9.3	>10000	17.4	1.090
R498349		2	0.1	0.8	31	<0.5	
R498350		63	3.6	12.6	365	33.7	
R498351		64	5.0	9.7	729	33.9	
R498352		40	4.3	12.1	1900	18.1	
R498353		49	7.5	11.3	636	26.0	
R498354		61	8.2	13.6	673	35.0	
R498355		59	8.0	12.1	5270	31.9	
R498356		64	7.9	12.9	2000	28.7	
R498357		63	4.2	12.5	135	29.8	
R498358		53	4.3	13.2	5100	25.2	
R498359		2	0.1	0.7	25	<0.5	
R498360		75	2.5	17.1	62	34.3	
R498361		57	3.1	13.2	1540	25.3	
R498362		67	3.5	15.2	228	31.5	
R498363		65	3.6	13.8	197	29.7	
R498364		66	1.5	14.7	45	30.6	
R498365		69	3.4	16.2	129	33.4	
R498366		61	5.5	12.0	2460	30.3	
R498367		62	2.7	15.3	1840	30.6	
R498368		75	1.8	16.6	54	31.7	
R498369		66	2.8	15.1	72	36.3	
R498370		45	2.6	13.3	1060	27.0	
R498371		65	2.0	14.2	48	35.9	
R498372		58	3.3	14.6	64	29.7	
R498373		58	3.2	14.9	61	29.2	
R498374		67	1.6	15.8	46	31.1	
R498375		67	1.2	16.7	39	33.2	
R498376		78	2.4	17.4	59	34.2	
R498377		53	6.6	8.1	3300	22.4	
R498378		48	3.6	15.5	1140	24.1	
R498379		68	2.3	16.2	51	32.6	
R498380		68	1.6	16.3	47	34.4	

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: KLAZA

Finalized Date: 2-JUL-2015
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH15088812

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

Applies to Method:				
	BAG-06	CRU-31	CRU-QC	LOG-21
	LOG-21d	LOG-23	PUL-31	PUL-31d
	PUL-QC	SPL-21	SPL-21d	WEI-21

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:				
	Au-AA24	ME-MS61	ME-OG62	Zn-OG62

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 30-JUN-2015
Account: ROCKHA

CERTIFICATE WH15088815

Project: KLAZA

P.O. No.: BATCH 11

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 17-JUN-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21d	Sample logging - ClientBarCode Dup
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
SPL-21d	Split sample - duplicate
BAG-06	Double Bagging Coarse Rejects
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31d	Pulverize Split - duplicate

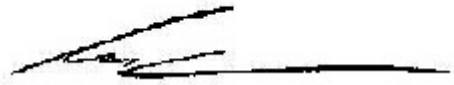
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.

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VANCOUVER BC V6B 1L8

Finalized Date: 30-JUN-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15088815

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
R498845		5.34	<0.005	0.06	6.92	6.8	2330	1.47	0.21	2.73	0.09	47.4	7.0	14	11.65	6.6
R498846		9.31	0.229	0.17	6.63	17.7	1730	1.45	1.26	2.65	0.11	51.8	6.2	13	9.83	17.6
R498847		3.12	0.029	0.13	6.99	14.4	2070	1.51	0.89	2.86	0.12	52.6	6.2	11	10.45	27.4
R498848		7.37	0.024	0.10	7.27	11.0	2200	1.51	0.87	2.45	0.08	50.2	5.4	12	12.60	9.4
R498849		5.10	0.009	0.09	7.43	10.7	2170	1.61	0.56	2.67	0.10	49.2	5.2	11	14.75	8.4
R498850		0.34	1.045	12.15	6.25	1525	140	1.29	12.60	1.84	32.4	45.8	18.4	18	14.50	285
R498851		6.34	0.234	6.44	6.68	207	320	1.50	12.95	2.00	2.85	53.4	5.6	10	12.30	127.0
R498852		3.79	0.056	0.90	6.76	118.0	1570	1.64	0.80	2.75	7.53	50.5	4.9	10	15.05	54.9
R498853		1.36	0.623	2.07	7.11	296	650	1.57	3.02	0.65	8.42	58.7	12.9	8	10.00	49.8
R498854		2.14	0.068	1.33	7.23	133.0	300	1.49	2.21	1.19	1.64	50.9	34.1	9	15.90	39.7
R498855		5.06	0.014	0.20	6.75	25.0	2220	1.55	0.38	2.63	0.21	42.2	8.3	12	17.95	14.6
R498856		4.16	0.247	4.07	7.04	1135	300	1.57	6.02	2.24	3.69	50.4	8.2	10	15.70	62.0
R498857		2.41	0.013	0.37	7.33	36.7	2140	1.43	0.98	1.59	0.49	45.2	8.2	8	17.00	27.4
R498858		2.95	0.088	2.01	7.06	1750	1420	1.40	1.39	1.85	16.20	45.4	10.1	9	15.35	52.4
R498859		6.11	<0.005	0.04	0.30	3.1	90	0.09	0.05	20.6	0.12	2.60	1.1	2	0.69	1.7
R498860		5.57	0.011	0.27	6.60	22.7	2090	1.35	0.71	3.15	0.12	39.6	7.3	11	11.25	7.8
R498861		7.90	0.089	1.02	6.85	75.0	1710	1.46	2.30	2.30	0.25	50.1	8.9	9	18.45	62.2
R498862		6.30	0.275	5.71	6.45	167.5	630	1.49	5.98	2.06	4.41	48.9	7.5	11	11.00	295
R498863		6.11	<0.005	0.02	0.07	0.4	30	0.05	0.03	20.8	0.08	1.18	0.7	<1	0.17	2.0
R498864		12.01	0.031	0.35	7.03	21.5	2120	1.59	0.71	2.25	0.46	52.1	6.5	10	10.65	75.8
R498865		5.17	0.022	0.37	7.15	42.3	2870	1.30	2.07	1.71	0.49	53.4	7.2	10	19.30	82.9
R498866		5.77	0.016	0.18	7.49	13.2	2330	1.47	0.49	2.42	0.29	54.0	6.4	13	13.70	27.9
R498867		<0.02	0.013	0.17	6.89	13.2	2230	1.47	0.45	2.30	0.29	46.0	6.5	12	12.90	29.0
R498868		4.42	0.637	2.50	6.77	118.0	280	1.45	3.09	2.20	8.28	50.3	25.8	8	16.65	30.2
R498869		3.89	0.064	0.78	7.05	71.4	1520	1.71	1.32	1.80	1.37	50.6	5.7	10	16.80	87.6
R498870		0.34	0.376	4.51	6.64	699	370	1.43	3.37	1.99	10.55	50.4	11.7	24	13.95	311
R498871		5.61	0.279	4.66	7.11	179.0	500	1.47	1.94	1.85	29.9	54.9	5.5	9	14.35	65.4
R498872		6.05	0.016	0.31	7.08	12.1	2260	1.58	0.74	2.51	0.75	47.8	6.2	13	11.25	17.9
R498873		8.18	<0.005	0.19	6.92	12.0	2160	1.53	0.39	2.86	0.29	46.3	6.4	11	14.45	10.0
R498874		1.42	0.026	1.02	6.70	63.6	1590	1.64	1.27	2.33	13.90	49.1	7.8	10	22.0	26.4
R498875		6.63	0.015	0.26	7.18	13.0	2260	1.56	0.70	2.60	0.24	47.1	7.2	12	11.55	9.6
R498876		1.36	0.343	7.09	6.21	3090	290	1.41	3.03	2.90	3.27	37.4	7.3	9	17.60	110.0
R498877		4.83	0.007	0.18	7.19	16.7	2310	1.48	0.62	2.62	0.18	43.5	6.7	12	13.70	13.1
R498878		1.27	0.681	4.96	7.17	2490	120	1.47	3.07	0.71	28.5	54.1	8.4	11	12.55	74.9
R498879		6.35	0.017	0.14	7.36	17.0	2300	1.46	0.87	2.87	0.17	44.0	6.1	12	18.95	11.0
R498880		3.18	0.005	0.20	7.24	35.0	1910	1.33	0.32	2.00	0.15	42.0	6.7	10	25.6	24.1

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 30-JUN-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15088815

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
R498845		2.75	16.10	0.14	1.0	0.063	2.71	23.5	12.4	0.76	554	9.07	2.31	7.5	2.9	600
R498846		2.78	15.55	0.15	1.2	0.154	2.30	26.0	15.4	0.79	603	17.70	2.24	7.5	3.3	800
R498847		2.85	16.75	0.15	1.1	0.116	2.64	26.8	15.7	0.78	590	8.80	2.29	7.7	2.8	770
R498848		2.52	16.75	0.16	1.1	0.135	2.52	24.4	20.1	0.73	491	13.30	2.12	8.0	3.1	670
R498849		2.63	16.85	0.16	1.2	0.119	2.18	24.8	15.0	0.72	513	2.46	2.72	8.1	3.0	650
R498850		6.48	15.20	0.13	1.0	0.807	2.93	23.7	20.8	0.74	1750	8.41	0.13	6.2	12.1	520
R498851		5.52	15.85	0.12	0.9	0.328	2.78	28.1	9.5	0.76	1040	1.60	1.06	6.7	2.3	550
R498852		2.32	14.80	0.16	1.0	0.230	3.33	25.1	9.6	0.98	1630	2.53	0.07	6.2	1.7	530
R498853		4.86	17.80	0.14	1.2	0.598	3.74	32.5	7.6	0.58	1440	1.21	0.04	6.7	2.6	530
R498854		4.76	16.65	0.14	1.1	0.235	3.49	27.8	18.3	0.58	1560	2.24	0.18	6.8	2.9	560
R498855		2.75	15.90	0.15	1.2	0.061	3.05	21.2	13.3	0.63	569	1.72	2.05	7.7	2.4	570
R498856		5.18	16.65	0.15	1.1	0.282	3.38	27.1	10.8	0.82	1350	1.83	0.51	7.2	2.8	550
R498857		3.16	16.20	0.12	1.2	0.113	3.14	22.6	27.6	0.59	647	1.84	0.43	8.0	2.5	600
R498858		3.75	16.35	0.15	1.0	1.995	3.18	23.5	24.3	0.65	963	1.97	0.10	7.1	2.6	600
R498859		0.59	0.72	0.15	<0.1	0.012	0.12	1.3	1.6	12.70	241	0.23	0.05	0.4	2.0	200
R498860		3.15	15.95	0.16	1.1	0.079	2.97	19.2	15.5	1.07	685	1.55	1.78	7.4	2.4	600
R498861		3.66	15.75	0.17	1.2	0.148	2.98	26.4	27.0	0.71	702	0.94	0.75	7.3	2.2	550
R498862		4.34	14.00	0.15	1.1	0.401	3.20	28.0	11.3	0.80	819	6.08	0.06	6.2	2.5	490
R498863		0.51	0.22	0.16	<0.1	0.008	0.03	0.6	1.3	12.85	229	0.12	<0.01	0.1	1.2	190
R498864		3.03	15.80	0.19	1.2	0.113	2.83	26.6	14.3	0.76	550	4.18	1.66	7.5	2.5	570
R498865		3.03	16.25	0.19	1.2	0.113	3.22	27.9	22.0	0.63	581	3.23	0.81	7.8	2.5	610
R498866		3.04	15.80	0.18	1.3	0.077	2.84	28.2	10.3	0.75	564	1.38	1.88	8.1	2.7	610
R498867		2.97	15.45	0.16	1.2	0.072	2.71	23.2	10.5	0.71	541	1.36	1.80	8.0	2.7	580
R498868		4.70	16.45	0.16	1.2	0.186	3.01	25.5	17.9	0.78	529	2.85	0.24	7.9	2.9	570
R498869		3.22	16.75	0.15	1.3	0.171	3.08	26.4	17.4	0.68	618	2.43	0.56	7.9	2.7	570
R498870		4.91	15.30	0.16	1.1	0.312	2.90	28.1	23.4	0.76	1820	14.10	0.14	6.1	15.1	520
R498871		3.63	16.80	0.16	1.1	0.598	3.15	30.3	17.6	0.70	1010	1.62	0.51	7.3	2.6	560
R498872		2.95	15.95	0.15	1.1	0.082	2.60	23.6	11.0	0.76	513	3.27	1.92	8.2	3.0	610
R498873		2.86	15.85	0.17	1.1	0.058	2.64	22.4	10.5	0.72	622	4.53	1.94	8.1	2.8	610
R498874		3.35	15.80	0.16	1.2	0.188	3.06	24.3	18.4	0.83	819	2.29	0.39	7.6	2.9	580
R498875		2.84	16.15	0.15	1.3	0.056	2.64	23.5	13.6	0.78	538	3.23	2.04	8.5	2.9	620
R498876		4.57	14.65	0.14	1.1	0.107	2.80	19.3	8.4	1.10	898	1.98	0.11	6.8	3.0	530
R498877		3.04	16.45	0.16	1.3	0.065	2.65	20.7	14.0	0.78	627	2.07	1.86	8.6	2.8	640
R498878		5.86	18.65	0.16	1.3	0.315	3.50	26.9	6.0	0.48	558	3.05	0.09	7.3	3.6	750
R498879		2.91	16.55	0.16	1.4	0.058	2.82	21.6	16.5	0.69	557	2.32	1.75	8.6	2.7	650
R498880		2.90	16.80	0.15	1.2	0.065	2.70	20.4	38.9	0.58	763	3.41	0.34	8.4	2.9	650

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 30-JUN-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15088815

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
R498845		16.9	89.4	<0.002	0.06	1.30	10.1	<1	2.6	396	0.58	<0.05	11.9	0.258	1.07	3.3
R498846		17.4	79.8	0.007	0.31	1.72	10.7	1	4.7	332	0.65	0.07	14.2	0.242	1.03	5.0
R498847		17.1	87.1	0.002	0.31	1.53	10.2	1	4.0	370	0.61	0.09	14.4	0.248	1.12	4.3
R498848		16.0	87.3	0.004	0.21	2.50	10.6	<1	6.6	335	0.70	<0.05	12.8	0.264	1.12	4.8
R498849		15.3	74.3	<0.002	0.11	2.34	10.6	<1	4.5	382	0.66	0.06	12.7	0.272	0.97	3.8
R498850		1295	163.0	<0.002	4.44	64.2	9.0	2	7.7	95.3	0.51	1.00	11.7	0.202	2.66	5.5
R498851		143.5	141.5	<0.002	3.28	7.38	9.5	<1	5.3	151.5	0.54	0.31	12.3	0.223	1.98	4.9
R498852		169.5	171.5	<0.002	0.77	6.89	8.9	<1	3.5	96.9	0.53	0.24	14.6	0.213	3.02	5.1
R498853		262	238	<0.002	3.44	10.65	9.5	<1	11.0	17.1	0.58	0.36	16.2	0.207	3.11	5.2
R498854		85.4	196.0	<0.002	2.88	10.70	10.1	1	8.1	79.6	0.49	0.61	15.6	0.225	2.51	4.6
R498855		18.7	107.5	<0.002	0.19	1.99	9.3	1	1.8	360	0.66	0.12	13.1	0.241	1.33	4.3
R498856		315	188.0	<0.002	3.32	10.25	9.9	1	7.8	138.0	0.61	0.58	13.2	0.228	2.35	7.0
R498857		24.4	113.0	<0.002	0.48	5.80	9.8	1	3.8	125.5	0.73	0.21	15.8	0.250	1.56	3.3
R498858		298	151.5	<0.002	1.66	18.35	10.2	1	3.9	89.0	0.55	0.34	12.6	0.244	2.15	3.8
R498859		2.9	5.5	<0.002	0.01	0.13	0.5	<1	0.2	58.6	<0.05	<0.05	0.5	0.012	0.05	0.6
R498860		20.4	85.6	<0.002	0.36	2.38	9.2	1	2.5	312	0.58	0.11	10.6	0.254	1.37	4.0
R498861		33.9	129.5	<0.002	1.25	11.00	9.5	<1	4.7	182.0	0.64	0.21	15.1	0.227	1.70	4.3
R498862		125.5	222	0.002	2.65	64.2	8.8	1	4.7	73.5	0.62	0.41	14.3	0.196	2.69	4.9
R498863		1.6	1.6	<0.002	<0.01	0.19	0.2	<1	<0.2	48.5	<0.05	<0.05	<0.2	<0.005	0.02	0.6
R498864		30.5	111.0	0.002	0.32	3.83	9.6	1	2.6	289	0.68	0.09	14.0	0.242	1.43	4.4
R498865		20.9	120.5	<0.002	0.55	9.71	10.2	1	2.8	177.5	0.64	0.15	12.8	0.253	1.85	4.3
R498866		77.3	114.5	<0.002	0.23	2.64	9.8	1	2.2	346	0.62	0.09	15.5	0.256	1.32	4.0
R498867		72.7	102.5	<0.002	0.24	2.52	10.4	1	2.2	327	0.58	0.06	13.2	0.245	1.27	3.3
R498868		165.5	141.5	0.002	3.17	3.58	10.5	1	7.8	104.0	0.64	1.00	11.6	0.225	1.94	5.3
R498869		54.7	146.5	0.002	0.99	11.50	10.8	1	4.4	155.5	0.67	0.19	13.6	0.233	1.98	5.1
R498870		475	165.0	0.004	2.67	30.1	8.9	1	5.4	109.0	0.48	0.32	12.2	0.199	2.41	5.1
R498871		858	169.5	<0.002	1.87	10.35	9.6	1	7.4	191.5	0.55	0.37	14.9	0.223	2.25	5.0
R498872		50.6	97.5	<0.002	0.29	2.70	11.4	1	2.2	358	0.61	0.14	13.0	0.255	1.19	4.0
R498873		21.4	94.9	<0.002	0.18	2.29	11.1	1	1.9	355	0.62	0.08	12.7	0.256	1.15	3.8
R498874		123.5	146.0	<0.002	1.48	12.00	11.6	1	4.0	124.5	0.58	0.27	12.0	0.239	2.17	5.2
R498875		20.6	92.6	<0.002	0.26	2.21	11.0	1	2.1	358	0.64	0.25	13.0	0.256	1.10	3.7
R498876		336	130.5	<0.002	3.38	21.4	8.4	1	4.6	101.5	0.51	0.33	11.6	0.212	1.83	5.3
R498877		21.2	93.4	<0.002	0.29	3.74	11.4	<1	2.2	353	0.66	0.13	10.4	0.268	1.30	3.8
R498878		1235	213	<0.002	5.63	20.8	13.2	1	10.1	28.1	0.53	0.79	12.6	0.249	2.55	5.1
R498879		21.5	106.0	<0.002	0.33	8.10	10.3	1	2.2	342	0.65	0.16	12.5	0.271	1.33	3.7
R498880		15.5	90.4	0.003	0.23	13.70	11.3	1	2.7	120.0	0.60	0.06	11.5	0.275	1.60	4.3

***** See Appendix Page for comments regarding this certificate *****

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 30-JUN-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15088815

Sample Description	Method Analyte Units LOR	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
R498845		70	1.0	16.1	40	27.7
R498846		73	1.3	16.6	44	31.9
R498847		70	1.1	16.6	41	31.7
R498848		75	2.0	17.8	35	31.0
R498849		74	1.6	16.0	39	32.3
R498850		60	5.6	11.7	2360	29.7
R498851		62	3.7	12.0	280	26.1
R498852		64	2.7	11.2	795	27.7
R498853		63	5.7	7.8	641	33.5
R498854		64	4.0	11.9	165	33.5
R498855		64	1.4	15.1	53	34.5
R498856		64	4.8	14.7	349	31.0
R498857		67	3.1	15.1	73	31.0
R498858		70	4.6	15.0	1210	27.5
R498859		4	0.1	1.3	24	1.3
R498860		70	1.3	14.5	45	30.1
R498861		64	2.3	14.9	58	34.2
R498862		61	2.9	8.8	401	29.0
R498863		2	0.1	0.7	21	0.5
R498864		66	1.5	15.5	67	32.3
R498865		67	1.9	17.4	64	33.5
R498866		70	1.4	16.7	55	35.1
R498867		66	1.3	15.4	55	34.0
R498868		66	3.3	14.0	433	31.0
R498869		65	2.6	13.5	133	34.7
R498870		64	5.3	12.1	862	30.5
R498871		65	3.1	12.3	1850	32.1
R498872		71	0.9	15.4	85	33.5
R498873		71	1.2	15.8	50	32.8
R498874		70	2.1	15.3	504	34.9
R498875		71	0.9	16.1	42	35.6
R498876		59	3.7	11.3	253	30.8
R498877		74	1.0	16.5	41	34.4
R498878		85	7.2	11.3	1790	37.3
R498879		75	1.2	15.7	45	39.1
R498880		76	2.1	14.2	45	34.1

***** See Appendix Page for comments regarding this certificate *****

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VANCOUVER BC V6B 1L8

Project: KLAZA

Finalized Date: 30-JUN-2015
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH15088815

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	ME-MS61

ALS Canada Ltd.

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VANCOUVER BC V6B 1L8

Finalized Date: 1-JUL-2015
This copy reported on 2-JUL-2015
Account: ROCKHA

CERTIFICATE WH15088817

Project: KLAZA

P.O. No.: BATCH 12

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 17-JUN-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21d	Sample logging - ClientBarCode Dup
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
SPL-21d	Split sample - duplicate
BAG-06	Double Bagging Coarse Rejects
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31d	Pulverize Split - duplicate

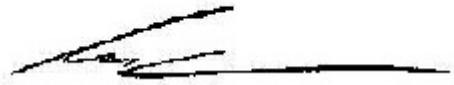
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Pb-OG62	Ore Grade Pb - Four Acid	VARIABLE
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	
Ag-OG62	Ore Grade Ag - Four Acid	VARIABLE
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 1-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15088817

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
R498381		9.71	0.006	0.24	7.48	36.0	2040	1.51	0.20	2.63	0.18	41.9	6.4	8	19.65	12.2
R498382		4.95	0.054	3.30	7.59	126.5	2770	1.62	0.57	2.89	5.96	53.0	5.4	7	21.2	12.2
R498383		8.51	<0.005	0.13	7.58	8.5	2380	1.67	0.19	2.57	0.13	47.4	6.0	11	14.25	10.6
R498384		8.14	<0.005	0.14	7.38	21.4	2140	1.58	0.19	2.55	0.23	45.3	6.0	10	13.00	10.7
R498385		0.35	1.780	41.4	5.82	2510	1290	1.18	36.7	1.64	45.1	40.7	17.5	22	10.60	1220
R498386		2.06	0.396	64.8	6.49	2520	990	1.43	1.38	2.22	90.5	41.2	10.7	8	12.90	57.9
R498387		4.84	0.032	0.76	7.30	197.0	2010	1.53	0.16	2.40	1.43	42.6	6.4	8	25.2	10.0
R498388		5.25	<0.005	0.24	7.69	13.4	2050	1.62	0.16	2.51	0.27	45.8	5.5	9	23.3	7.4
R498389		4.75	0.013	0.14	7.47	12.6	1580	1.41	0.24	1.77	0.10	41.6	5.7	8	21.2	11.9
R498390		0.34	0.869	12.70	6.43	1545	1180	1.37	12.55	1.80	31.7	46.6	17.7	18	13.95	283
R498391		1.84	0.732	>100	6.34	4970	680	1.39	0.25	2.30	30.3	38.2	5.9	8	10.60	426
R498392		1.34	0.117	4.48	7.46	432	1370	1.72	0.19	2.38	8.90	46.4	10.9	7	18.55	13.6
R498393		4.73	<0.005	2.01	8.62	18.7	1850	1.37	0.18	1.23	0.70	56.9	7.9	7	15.45	15.0
R498394		1.92	<0.005	2.21	7.95	12.8	1990	1.30	0.16	1.23	1.63	49.3	7.8	6	15.05	15.0
R498395		4.22	<0.005	0.22	7.71	8.9	2040	1.21	0.14	1.75	0.22	44.7	6.8	8	11.75	14.8
R498396		13.15	0.014	0.70	7.11	29.7	1920	1.59	0.86	2.39	0.67	43.1	6.3	7	13.25	2.4
R498397		5.06	0.046	1.52	6.44	177.5	3080	1.54	0.82	3.13	3.63	41.7	8.6	6	10.50	7.7
R498398		1.81	0.607	32.4	4.53	460	980	1.07	1.54	0.82	32.7	27.4	14.8	9	9.87	129.0
R498399		6.03	<0.005	0.07	0.07	0.9	40	<0.05	0.06	20.9	0.10	1.14	0.8	1	0.20	2.1
R498400		5.32	0.013	0.59	7.43	37.9	880	1.36	0.21	1.60	3.47	48.1	7.7	7	29.1	10.6
R498401		1.34	0.549	10.45	4.98	982	530	1.06	0.11	2.47	34.9	33.8	6.8	6	14.10	45.8
R498402		3.88	0.021	1.01	7.44	51.4	1640	1.54	0.26	2.44	1.06	45.1	7.0	8	18.95	11.3
R498403		7.10	0.019	0.29	7.05	41.7	1210	1.49	0.19	1.46	0.36	39.3	7.1	8	27.6	15.3
R498404		1.93	0.534	10.40	5.84	906	1380	1.17	1.68	1.14	52.2	39.2	11.6	7	8.97	75.8
R498405		6.11	<0.005	0.02	0.09	0.4	30	0.07	0.03	20.1	0.10	1.28	1.3	1	0.30	2.5
R498406		3.99	0.027	0.62	7.22	54.3	1570	1.70	0.23	2.57	2.24	44.3	6.6	8	19.25	18.2
R498407		2.23	0.008	1.48	6.79	32.5	1970	1.42	0.15	2.61	1.35	41.2	5.9	7	14.95	11.4
R498408		1.86	0.245	56.4	5.74	592	840	1.35	2.60	3.95	103.5	38.0	9.4	5	10.90	68.4
R498409		3.62	0.028	0.58	7.11	30.6	2460	1.55	6.59	2.31	0.72	41.7	20.0	10	14.85	7.0
R498410		2.80	0.029	1.10	6.40	68.6	1710	1.52	0.26	2.38	1.84	43.9	6.4	7	16.75	4.2
R498411		<0.02	0.028	1.03	6.23	68.7	1510	1.50	0.28	2.20	1.72	42.0	6.4	6	16.85	5.2
R498412		2.68	0.029	1.75	6.95	86.2	1400	1.68	0.95	2.36	0.50	42.9	7.2	7	21.0	6.6
R498413		3.04	0.035	2.37	7.26	33.3	1440	1.74	1.95	2.03	1.26	44.7	27.9	7	10.70	6.4
R498414		11.31	0.006	0.31	7.35	18.8	2320	1.48	0.56	1.63	0.39	47.4	11.2	8	12.40	5.7
R498415		2.13	1.215	20.7	5.17	907	560	1.09	25.6	0.95	36.3	32.0	8.5	6	6.29	118.5
R498416		11.17	<0.005	0.36	8.07	16.0	2030	1.19	0.34	0.65	0.84	58.0	6.0	7	13.45	21.5

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
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VANCOUVER BC V6B 1L8

Finalized Date: 1-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15088817

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
R498381		2.96	16.40	0.17	1.4	0.054	3.33	20.7	26.9	0.67	1100	1.23	1.14	8.5	2.3	600
R498382		3.40	15.80	0.20	1.2	0.082	3.23	29.5	19.2	1.01	5000	2.06	0.03	7.7	2.0	580
R498383		3.06	17.05	0.18	1.4	0.067	3.05	23.7	16.4	0.71	910	1.35	1.76	9.1	2.5	640
R498384		2.95	16.60	0.17	1.5	0.047	2.97	22.3	13.7	0.73	790	1.30	2.03	8.7	2.5	610
R498385		9.08	14.00	0.15	0.9	1.495	2.58	22.0	16.9	0.67	2310	17.80	0.05	5.0	14.3	470
R498386		5.41	13.65	0.14	1.2	0.377	2.92	21.4	21.5	0.78	6180	3.94	0.02	6.7	2.4	500
R498387		2.77	17.15	0.14	1.4	0.042	3.51	21.0	42.1	0.66	1220	1.60	0.17	8.6	2.3	610
R498388		2.89	16.40	0.17	1.5	0.042	3.15	23.0	56.7	0.61	759	1.36	1.21	8.8	2.2	650
R498389		2.87	17.55	0.15	1.5	0.054	3.13	20.3	43.1	0.60	993	1.32	0.07	8.6	2.0	610
R498390		6.34	14.65	0.15	1.1	0.743	2.73	25.4	20.7	0.74	1740	8.57	0.11	6.6	11.5	540
R498391		4.34	13.70	0.14	1.3	0.166	3.14	19.8	15.3	0.71	4790	1.38	0.02	6.8	2.3	510
R498392		3.60	17.05	0.15	1.5	0.135	3.73	24.0	57.1	0.76	3650	1.07	0.05	8.9	2.5	590
R498393		3.09	17.80	0.17	1.6	0.046	3.10	30.3	47.3	0.59	1760	1.11	0.09	9.2	2.4	650
R498394		2.84	17.10	0.18	1.6	0.049	2.98	25.2	48.3	0.54	1860	0.99	0.08	8.9	2.3	630
R498395		2.95	16.45	0.17	1.4	0.045	2.81	22.4	29.9	0.64	734	0.95	0.24	8.5	2.2	640
R498396		3.05	14.45	0.16	1.1	0.246	3.13	21.9	40.3	0.79	2200	0.55	0.15	7.6	1.5	580
R498397		3.16	13.45	0.18	1.0	0.266	2.95	22.7	10.8	0.94	4400	0.66	0.03	7.3	2.0	530
R498398		4.15	10.20	0.12	0.7	0.276	2.03	13.9	30.5	0.34	1320	13.65	0.02	4.1	2.5	330
R498399		0.49	0.21	0.12	<0.1	0.005	0.03	0.6	0.9	12.60	228	0.13	<0.01	0.2	1.4	260
R498400		2.69	16.30	0.21	1.5	0.079	2.83	25.7	35.3	0.64	1320	1.00	0.02	8.0	2.0	560
R498401		4.09	10.75	0.12	1.0	0.093	2.10	17.6	26.6	0.86	3140	2.19	0.02	5.0	2.2	340
R498402		3.24	16.40	0.17	1.4	0.045	3.08	22.5	54.9	0.66	1400	1.07	0.86	8.5	2.3	630
R498403		2.60	15.45	0.11	1.1	0.037	2.75	18.9	334	0.55	1360	0.98	0.06	7.2	2.3	570
R498404		3.92	12.60	0.14	0.8	0.171	2.68	19.9	21.5	0.51	2870	1.22	0.02	5.0	2.3	430
R498405		0.49	0.21	<0.05	<0.1	<0.005	0.04	0.6	2.4	12.45	230	0.21	0.01	0.2	1.4	180
R498406		2.91	15.30	0.15	1.2	0.046	3.24	21.4	34.1	0.66	1560	0.48	0.86	7.1	2.4	580
R498407		2.75	14.90	0.18	1.1	0.056	3.56	20.3	42.4	0.65	2550	0.80	0.28	6.9	2.2	540
R498408		4.87	12.15	0.15	1.1	0.226	2.83	20.2	15.5	1.13	10850	1.00	0.03	5.3	1.8	430
R498409		3.07	15.55	0.15	1.2	0.050	3.55	19.8	51.1	0.66	990	0.82	0.81	7.4	2.3	570
R498410		3.08	13.75	0.14	1.1	0.055	2.92	23.2	25.2	0.81	2560	1.52	0.03	6.5	2.2	520
R498411		3.08	14.25	0.13	1.1	0.051	2.92	21.3	25.1	0.74	2380	2.05	0.03	6.5	2.5	500
R498412		2.69	15.55	0.15	1.2	0.085	3.23	21.6	27.2	0.77	1580	1.07	0.04	7.0	2.2	550
R498413		3.93	15.55	0.15	1.2	0.119	3.05	22.8	30.4	0.86	2170	1.82	0.10	6.9	3.0	520
R498414		2.84	15.15	0.13	1.2	0.071	3.01	23.5	54.5	0.63	889	1.54	0.52	7.0	2.8	570
R498415		5.65	11.90	0.13	0.8	0.755	2.48	16.2	30.4	0.40	1830	2.06	0.03	5.1	2.6	400
R498416		2.59	17.15	0.14	1.4	0.055	3.23	29.7	42.7	0.44	831	1.07	0.10	8.4	2.1	650

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Finalized Date: 1-JUL-2015
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Project: KLAZA

CERTIFICATE OF ANALYSIS WH15088817

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
R498381		37.9	128.0	<0.002	0.13	6.37	10.2	1	1.8	260	0.73	<0.05	12.5	0.264	2.04	4.1
R498382		430	195.5	<0.002	0.92	17.95	10.9	1	2.5	115.0	0.65	0.16	14.7	0.246	3.57	4.9
R498383		18.8	123.5	<0.002	0.10	3.71	10.9	1	1.9	337	0.79	<0.05	13.9	0.269	1.81	4.5
R498384		26.5	113.0	<0.002	0.09	2.77	10.6	1	1.8	366	0.75	<0.05	13.2	0.264	1.51	4.2
R498385		1700	156.0	<0.002	7.92	107.5	8.9	2	11.3	67.0	0.44	0.75	10.7	0.177	2.31	5.8
R498386		>10000	186.0	<0.002	4.20	126.0	9.0	1	2.9	84.8	0.59	0.58	12.4	0.209	2.88	4.5
R498387		64.4	138.0	<0.002	0.40	16.90	10.1	1	1.8	182.5	0.73	<0.05	12.1	0.257	2.93	4.2
R498388		48.8	126.0	<0.002	0.07	6.50	10.8	1	1.9	293	0.72	<0.05	13.2	0.276	1.89	3.8
R498389		15.9	112.5	<0.002	0.12	11.55	10.3	1	1.9	135.0	0.74	0.09	12.1	0.263	2.01	3.2
R498390		1295	167.0	<0.002	4.59	62.7	9.8	2	8.0	97.9	0.55	1.78	12.2	0.211	2.50	5.3
R498391		>10000	184.5	<0.002	3.38	258	8.8	1	4.2	52.4	0.62	<0.05	11.8	0.213	3.19	5.5
R498392		239	177.5	<0.002	1.58	15.00	11.3	1	2.4	124.5	0.78	0.10	13.9	0.259	3.28	5.9
R498393		105.5	136.0	<0.002	0.07	19.35	11.9	1	2.1	120.5	0.82	<0.05	17.2	0.278	1.82	3.7
R498394		65.8	120.0	<0.002	0.10	18.55	11.2	1	2.3	120.0	0.81	<0.05	15.0	0.265	1.81	3.5
R498395		33.0	105.5	<0.002	0.04	9.30	10.9	1	2.2	166.5	0.69	<0.05	13.1	0.278	1.54	4.0
R498396		39.6	136.5	<0.002	0.42	5.66	10.0	1	2.4	111.0	0.64	0.34	12.1	0.241	2.61	3.8
R498397		148.0	171.5	<0.002	0.92	8.44	9.2	1	2.3	79.4	0.56	0.10	13.1	0.202	2.48	5.1
R498398		3400	120.0	0.002	4.01	88.9	5.7	<1	3.1	42.3	0.34	0.27	7.8	0.139	1.84	10.6
R498399		6.1	1.6	<0.002	0.01	0.16	0.2	<1	<0.2	49.2	<0.05	<0.05	<0.2	<0.005	0.02	0.5
R498400		84.2	127.0	<0.002	0.44	14.00	10.0	1	2.7	153.0	0.67	0.05	14.3	0.244	2.77	4.6
R498401		1815	115.5	<0.002	2.54	36.4	6.6	1	5.4	109.0	0.46	<0.05	9.5	0.159	1.98	10.3
R498402		169.0	130.5	<0.002	0.38	8.36	10.9	1	2.4	260	0.72	<0.05	13.0	0.262	2.07	4.6
R498403		25.9	109.0	<0.002	0.21	28.4	9.5	<1	1.6	147.5	0.61	<0.05	11.0	0.241	2.16	3.9
R498404		3650	130.5	<0.002	3.34	35.8	7.7	1	5.0	55.0	0.44	0.34	10.3	0.179	2.20	5.2
R498405		4.2	1.8	<0.002	<0.01	0.19	0.3	<1	<0.2	48.7	<0.05	<0.05	<0.2	<0.005	0.02	0.6
R498406		151.5	132.5	<0.002	0.17	10.00	10.0	1	1.9	239	0.60	<0.05	11.8	0.242	2.17	4.1
R498407		134.0	141.0	<0.002	0.18	9.59	9.2	1	1.7	164.5	0.59	<0.05	11.9	0.227	2.29	3.8
R498408		7700	167.5	<0.002	2.01	41.9	7.4	1	2.1	117.5	0.47	1.79	10.6	0.180	2.46	3.6
R498409		43.8	129.5	<0.002	0.64	7.04	9.9	1	1.6	231	0.62	3.74	11.3	0.248	2.10	3.9
R498410		98.7	160.0	<0.002	1.30	21.4	9.4	1	1.6	99.6	0.56	0.08	12.1	0.213	2.78	4.4
R498411		90.3	141.5	<0.002	1.36	21.4	9.1	1	1.6	97.6	0.58	0.08	11.9	0.213	2.75	4.3
R498412		31.4	149.0	0.002	0.65	12.65	9.7	1	1.6	125.5	0.60	0.40	12.3	0.230	2.75	5.5
R498413		87.2	150.5	<0.002	1.24	9.75	10.0	1	1.9	91.2	0.63	0.87	12.7	0.230	2.13	4.9
R498414		29.3	124.0	<0.002	0.59	8.32	10.1	1	1.8	157.5	0.65	0.18	13.6	0.238	1.97	4.4
R498415		759	158.0	<0.002	5.48	35.7	7.2	1	7.2	33.8	0.41	0.25	8.3	0.167	1.91	4.5
R498416		57.8	140.0	<0.002	0.11	15.10	11.0	1	1.9	108.0	0.71	0.12	16.1	0.271	1.65	3.4

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

2103 Dollarton Hwy
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www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 1-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15088817

Sample Description	Method / Analyte / Units / LOR	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Ag-OG62 Ag ppm 1	Pb-OG62 Pb % 0.001
R498381		69	2.3	14.7	52	37.5		
R498382		69	4.4	15.0	456	34.0		
R498383		73	1.8	16.8	49	36.6		
R498384		71	1.4	16.7	53	40.0		
R498385		57	8.1	9.7	3410	25.9		
R498386		58	4.5	13.0	7820	30.8		1.665
R498387		70	4.2	13.8	157	39.0		
R498388		73	2.6	15.6	61	40.4		
R498389		72	4.9	14.8	45	39.2		
R498390		61	6.2	11.8	2390	33.1		
R498391		57	4.8	12.1	1920	33.6	158	2.06
R498392		72	5.8	17.0	1120	40.6		
R498393		73	8.5	17.9	105	43.7		
R498394		68	8.6	15.9	241	41.5		
R498395		75	3.3	16.1	54	39.4		
R498396		64	3.0	13.2	95	30.8		
R498397		48	2.7	13.4	378	29.9		
R498398		40	3.0	6.9	3260	20.1		
R498399		2	0.1	0.8	22	<0.5		
R498400		63	3.2	13.6	474	40.4		
R498401		46	3.8	11.8	3630	27.3		
R498402		74	3.9	15.5	168	39.8		
R498403		66	9.9	12.6	59	27.7		
R498404		52	4.9	8.6	6030	20.4		
R498405		3	0.2	0.8	25	0.5		
R498406		67	2.0	13.8	278	30.6		
R498407		63	3.1	14.7	126	30.4		
R498408		49	3.9	12.3	7340	27.1		
R498409		68	3.1	12.6	91	30.8		
R498410		62	3.0	11.3	162	29.2		
R498411		62	3.1	10.7	154	28.9		
R498412		66	4.2	12.4	75	31.7		
R498413		67	2.5	13.5	154	30.9		
R498414		68	2.2	13.1	76	29.8		
R498415		52	3.6	8.0	3980	22.1		
R498416		72	3.2	14.8	128	38.6		

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: KLAZA

Finalized Date: 1-JUL-2015
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH15088817

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Ag-OG62	Au-AA24	ME-MS61	ME-OG62
Pb-OG62			

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 1-JUL-2015
This copy reported on 2-JUL-2015
Account: ROCKHA

CERTIFICATE WH15088819

Project: KLAZA

P.O. No.: BATCH 13

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 17-JUN-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21d	Sample logging - ClientBarCode Dup
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
SPL-21d	Split sample - duplicate
BAG-06	Double Bagging Coarse Rejects
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31d	Pulverize Split - duplicate

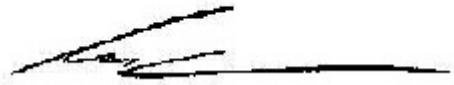
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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Finalized Date: 1-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15088819

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
R498881		5.92	0.009	0.49	7.64	36.6	2260	1.57	1.02	2.76	1.22	48.5	9.8	12	10.75	19.2
R498882		8.64	0.008	0.09	7.30	5.8	2340	1.59	0.40	2.84	0.13	45.0	7.2	12	9.54	14.5
R498883		3.82	<0.005	0.11	7.14	6.7	2190	1.54	0.34	2.48	0.10	41.5	7.3	11	9.60	15.3
R498884		2.51	0.203	2.71	7.00	3040	860	1.59	3.16	2.25	10.30	51.4	11.5	9	18.75	89.8
R498885		2.87	0.228	1.27	7.49	77.4	1670	1.36	2.92	1.01	0.18	50.4	8.9	8	13.95	81.8
R498886		1.52	2.06	12.45	6.25	3100	210	1.35	22.8	1.08	1.95	46.2	6.5	7	7.84	831
R498887		6.04	<0.005	0.03	0.28	1.9	90	0.07	0.08	20.7	0.06	1.69	2.4	8	0.59	5.0
R498888		7.48	0.019	0.33	7.30	23.1	2580	1.41	0.99	2.14	0.27	43.1	6.1	8	10.20	32.0
R498889		5.71	0.033	0.45	7.27	59.1	1700	1.47	0.88	2.94	1.10	46.3	6.8	8	25.9	25.9
R498890		0.25	0.359	4.49	6.88	733	580	1.39	3.33	2.06	10.35	48.4	12.4	25	12.75	316
R498891		9.93	0.013	0.11	6.95	10.3	2110	1.55	0.77	2.50	0.31	45.6	6.5	10	10.95	13.2
R498892		7.96	0.012	0.11	7.38	10.4	2180	1.50	0.79	2.55	0.11	46.3	7.4	11	8.60	17.1
R498893		<0.02	0.012	0.12	7.03	10.3	2170	1.42	0.82	2.53	0.11	41.9	7.6	13	8.26	16.5
R498894		7.43	0.027	0.15	7.18	13.6	2180	1.50	0.97	2.36	0.18	42.9	8.4	12	10.10	30.0
R498895		2.38	0.690	5.74	6.40	387	450	1.37	6.06	2.39	27.8	44.1	9.7	8	13.70	146.0
R498896		0.25	0.834	11.70	6.49	1555	200	1.24	12.20	1.84	31.8	44.6	17.8	18	12.85	283
R498897		5.92	0.233	6.53	6.70	201	200	1.39	10.90	1.07	1.80	69.1	43.3	8	10.30	65.8
R498898		1.92	0.405	11.95	6.35	377	360	1.31	14.55	2.33	5.36	33.8	6.9	7	13.65	144.0
R498899		3.17	1.565	6.21	6.72	379	150	1.27	8.06	0.77	2.66	45.2	12.5	9	8.90	124.5
R498900		2.62	0.018	0.16	7.64	11.8	3120	1.52	0.78	2.66	0.10	48.7	7.5	9	12.45	45.4
R498901		9.79	0.086	0.62	6.85	123.5	1640	1.33	1.78	2.78	1.64	42.0	8.0	9	16.85	60.6
R498902		4.79	0.161	2.04	7.27	129.5	970	1.42	4.49	1.69	0.62	48.7	11.4	9	13.95	101.0
R498903		3.08	0.892	3.35	6.42	284	80	1.35	7.54	0.83	1.07	38.3	14.0	8	6.31	45.3
R498904		6.03	<0.005	0.02	0.07	<0.2	20	0.05	0.05	19.95	0.06	1.03	1.1	1	0.24	3.5
R498905		4.67	0.334	1.98	6.96	116.0	300	1.56	4.11	1.71	1.08	43.6	9.4	8	11.10	24.7
R498906		4.67	0.106	0.72	6.93	63.1	1210	1.71	0.88	2.09	3.12	47.5	7.1	7	16.20	24.2
R498907		4.36	0.046	0.95	6.65	32.2	870	1.59	3.10	3.28	0.28	53.0	10.6	8	14.55	43.1
R498908		3.44	0.233	1.99	6.05	130.0	400	1.35	5.04	1.31	0.48	34.8	10.6	9	7.03	70.9
R498909		1.02	0.555	20.4	6.12	260	390	1.87	26.8	3.07	13.90	43.2	7.3	11	18.30	768
R498910		2.92	0.033	1.23	6.66	61.6	1240	2.28	1.48	2.50	1.05	45.5	4.5	30	20.9	58.8
R498911		1.90	0.054	1.38	7.23	54.0	770	1.60	1.97	2.27	2.82	48.0	10.2	11	19.85	83.3
R498912		7.90	0.077	0.53	6.67	28.5	1320	1.46	2.72	2.33	0.44	41.5	5.7	7	19.35	25.7
R498913		7.45	0.101	1.21	7.79	53.5	1030	1.40	2.38	2.59	4.70	54.3	6.4	7	17.25	30.8
R498914		7.34	0.286	2.19	7.38	37.4	1420	1.38	3.44	1.62	2.46	39.6	7.8	8	15.65	82.2
R498915		2.40	0.730	4.01	5.57	265	360	1.36	2.94	1.89	51.3	47.8	5.4	7	12.45	68.2
R498916		2.48	0.653	7.00	6.31	301	1170	1.60	4.62	4.65	32.4	47.5	7.6	6	14.55	93.1

***** See Appendix Page for comments regarding this certificate *****

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VANCOUVER BC V6B 1L8

Finalized Date: 1-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15088819

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
R498881		3.17	16.35	0.15	1.2	0.123	2.66	24.6	16.3	0.80	617	16.35	2.00	7.8	3.2	670
R498882		2.97	16.10	0.13	1.3	0.070	2.74	21.4	16.0	0.82	608	2.60	2.22	7.8	3.2	620
R498883		2.81	15.60	0.13	1.4	0.061	2.73	19.8	14.9	0.78	555	2.46	2.12	7.8	2.8	620
R498884		4.99	15.00	0.16	1.1	0.690	3.13	27.1	13.5	0.98	1550	2.69	0.09	6.6	2.9	560
R498885		3.26	16.35	0.15	1.3	0.147	3.25	26.4	20.5	0.51	676	2.57	0.08	7.0	2.3	590
R498886		7.65	13.85	0.16	1.1	0.569	2.89	23.9	16.8	0.53	633	1.28	0.07	4.6	2.2	460
R498887		0.50	0.70	<0.05	<0.1	0.006	0.14	0.8	2.8	12.65	228	0.20	0.01	0.2	4.3	220
R498888		2.78	15.90	0.13	1.3	0.081	2.83	20.4	16.9	0.65	560	3.61	1.43	7.4	2.4	580
R498889		3.13	15.65	0.15	1.2	0.117	2.75	22.9	27.2	0.98	1060	1.58	0.18	7.1	2.7	620
R498890		5.07	15.30	0.14	1.1	0.305	3.02	25.9	26.5	0.78	1930	13.80	0.15	5.9	14.5	540
R498891		2.52	15.70	0.13	1.4	0.086	2.70	21.6	16.8	0.72	473	4.03	1.97	7.7	2.7	610
R498892		2.79	15.85	0.15	1.3	0.070	2.58	22.2	13.6	0.83	490	1.46	2.21	7.6	2.9	640
R498893		2.72	16.05	0.15	1.3	0.066	2.56	19.3	13.4	0.81	485	1.38	2.19	7.6	2.8	620
R498894		3.10	16.20	0.14	1.3	0.085	2.62	20.8	14.5	0.84	528	1.40	1.73	7.5	3.0	650
R498895		5.60	14.75	0.16	1.2	1.420	3.01	23.0	6.8	1.11	3890	1.44	0.04	5.7	2.6	490
R498896		6.48	15.35	0.14	1.1	0.789	2.94	22.0	19.2	0.75	1840	8.85	0.12	6.2	12.1	540
R498897		5.75	17.35	0.17	1.5	0.273	3.29	38.9	6.2	0.64	1280	5.23	0.05	6.1	3.1	520
R498898		4.63	18.70	0.14	1.1	0.237	3.00	17.6	10.7	0.99	3180	3.26	0.03	6.2	2.4	540
R498899		7.04	17.40	0.14	1.2	0.297	3.33	22.8	6.2	0.59	1280	1.49	0.04	5.9	2.9	550
R498900		2.89	16.75	0.14	1.4	0.055	2.68	23.4	17.3	0.75	531	2.14	1.83	7.9	2.8	660
R498901		2.77	15.80	0.15	1.4	0.035	3.31	19.6	10.1	0.89	1250	2.63	0.86	7.4	3.5	590
R498902		4.48	17.25	0.15	1.3	0.184	3.32	24.2	12.8	0.79	779	4.57	0.09	6.5	2.8	610
R498903		8.88	16.25	0.17	1.0	0.278	3.15	17.2	5.6	0.57	929	3.57	0.05	3.8	2.8	510
R498904		0.47	0.20	<0.05	<0.1	<0.005	0.03	0.5	1.0	12.30	212	0.15	<0.01	0.1	1.5	170
R498905		4.68	16.35	0.15	1.3	0.127	3.22	21.0	9.8	0.74	794	4.71	0.38	5.6	2.5	560
R498906		3.70	15.00	0.13	1.4	0.130	2.80	24.0	44.2	0.91	1840	2.27	0.04	6.8	2.3	550
R498907		3.83	15.85	0.15	1.3	0.147	2.81	26.8	25.4	1.23	756	1220	0.23	6.9	3.2	660
R498908		7.52	15.30	0.15	0.9	0.290	2.97	17.5	12.5	0.77	783	4.70	0.05	5.3	2.8	480
R498909		4.36	14.15	0.12	1.6	0.879	2.46	21.5	41.6	0.98	856	5.11	0.38	6.1	7.9	490
R498910		1.82	18.80	0.14	3.5	0.064	2.61	21.3	56.9	0.63	563	1.15	0.05	8.8	14.2	660
R498911		3.26	16.45	0.15	1.3	0.136	2.55	23.4	35.2	0.82	716	1.60	0.05	7.7	6.9	610
R498912		2.72	15.15	0.13	1.1	0.078	2.50	19.7	51.1	0.82	517	1.07	0.06	7.1	2.1	540
R498913		3.14	15.75	0.20	1.3	0.101	2.04	28.4	71.3	0.93	865	2.38	0.03	7.5	2.2	680
R498914		3.51	16.40	0.13	1.1	0.085	2.79	18.6	41.9	0.63	754	2.73	0.08	7.7	2.1	600
R498915		3.23	13.45	0.14	1.1	0.261	2.63	25.8	27.8	0.84	2820	1.97	0.03	5.5	2.3	380
R498916		4.52	14.60	0.15	1.2	0.187	2.88	24.5	11.1	1.85	4680	1.92	0.04	6.2	2.8	550

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Finalized Date: 1-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15088819

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
R498881		70.6	107.5	0.006	0.72	2.65	11.4	1	2.7	370	0.64	0.40	11.4	0.278	1.14	4.5
R498882		16.6	86.9	0.002	0.08	1.84	10.3	1	2.1	409	0.66	0.08	11.0	0.262	1.04	3.8
R498883		16.6	85.7	<0.002	0.08	2.17	9.9	1	2.3	374	0.67	0.07	11.7	0.260	1.03	3.7
R498884		225	165.0	0.002	2.49	22.5	10.1	1	5.2	70.4	0.57	0.41	11.6	0.230	2.41	5.6
R498885		19.3	155.0	0.002	1.30	8.29	10.1	1	6.1	59.8	0.63	0.46	14.9	0.237	1.83	4.2
R498886		129.0	171.5	<0.002	5.22	24.0	7.8	1	8.9	34.2	0.55	0.91	13.0	0.154	1.89	5.5
R498887		1.8	4.9	<0.002	0.01	0.12	0.8	<1	<0.2	39.0	<0.05	<0.05	0.2	0.012	0.03	0.9
R498888		21.4	100.5	0.002	0.25	3.94	9.5	1	2.5	267	0.69	0.12	13.5	0.245	1.31	4.1
R498889		44.4	114.0	0.004	0.72	8.56	10.8	1	3.3	132.0	0.54	0.28	10.8	0.254	2.13	3.3
R498890		488	162.5	0.002	2.73	27.5	9.3	1	5.4	109.0	0.50	0.32	11.2	0.211	2.37	5.1
R498891		18.9	91.5	0.012	0.22	1.94	9.5	1	3.1	308	0.69	0.20	11.8	0.249	1.21	4.0
R498892		16.6	90.0	0.002	0.31	1.35	10.5	1	2.4	382	0.63	0.28	11.9	0.268	1.14	3.7
R498893		16.9	81.8	<0.002	0.33	1.32	10.3	1	2.4	376	0.61	0.30	10.6	0.261	1.10	3.4
R498894		18.9	103.5	<0.002	0.70	2.94	10.8	1	2.8	317	0.62	0.35	11.2	0.264	1.33	3.5
R498895		1275	207	<0.002	4.13	11.75	9.1	1	5.3	57.0	0.51	0.36	11.5	0.200	2.65	4.5
R498896		1280	159.0	<0.002	4.64	61.8	9.2	2	7.8	94.0	0.54	1.36	10.7	0.212	2.45	5.2
R498897		123.0	191.0	0.002	5.25	9.91	9.7	2	11.3	26.1	0.68	0.75	13.9	0.195	2.57	5.7
R498898		321	177.0	<0.002	4.18	44.5	9.5	1	17.1	43.2	0.49	0.23	9.8	0.229	2.36	3.8
R498899		296	217	<0.002	6.60	18.30	9.8	2	14.8	18.7	0.48	1.34	11.0	0.207	2.69	4.1
R498900		15.7	101.5	<0.002	0.53	3.08	11.0	1	2.2	416	0.67	0.23	11.4	0.270	1.19	4.2
R498901		40.0	136.5	<0.002	1.50	5.63	9.7	1	3.2	231	0.69	0.95	10.9	0.241	2.54	4.5
R498902		50.7	151.5	<0.002	2.93	7.86	10.5	1	7.2	73.7	0.53	0.79	12.5	0.234	2.42	4.3
R498903		102.5	174.5	0.007	8.82	5.81	8.7	1	11.2	19.1	0.29	0.81	9.7	0.142	2.31	3.3
R498904		1.3	1.9	<0.002	0.01	0.07	0.2	<1	<0.2	42.1	<0.05	<0.05	<0.2	<0.005	0.02	0.6
R498905		72.7	150.0	0.005	3.42	4.14	9.7	1	7.3	108.0	0.47	1.13	10.7	0.198	2.19	4.4
R498906		118.5	145.5	0.003	1.54	14.40	9.7	1	4.1	80.6	0.57	0.16	12.7	0.223	2.29	5.6
R498907		26.7	148.0	3.55	1.82	7.26	9.4	2	6.2	97.7	0.65	1.42	12.4	0.211	2.02	8.8
R498908		65.2	191.5	0.010	7.71	12.30	8.4	2	11.8	23.7	0.42	0.53	9.6	0.180	2.20	3.3
R498909		522	109.5	0.009	2.82	88.8	7.8	1	4.0	200	0.51	0.44	9.5	0.204	1.67	3.7
R498910		43.0	79.8	<0.002	0.18	17.90	5.2	1	1.9	445	0.73	<0.05	8.8	0.257	1.55	6.4
R498911		181.0	109.5	0.002	0.83	26.4	9.7	1	3.0	173.0	0.66	0.12	12.2	0.251	1.86	3.9
R498912		27.0	85.8	<0.002	0.98	15.45	9.0	1	2.5	107.5	0.55	0.57	12.2	0.222	1.52	4.5
R498913		144.0	114.5	<0.002	1.12	24.9	10.3	1	2.5	183.5	0.59	0.45	15.5	0.243	1.59	4.5
R498914		139.5	113.0	<0.002	1.55	22.6	9.7	1	3.8	103.5	0.69	1.09	13.8	0.240	1.66	4.5
R498915		748	146.0	<0.002	2.20	24.7	6.7	1	9.7	59.9	0.47	0.26	9.9	0.179	2.21	4.8
R498916		642	160.5	<0.002	3.30	19.10	8.6	1	4.7	106.5	0.48	0.59	12.6	0.203	2.57	5.1

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 1-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15088819

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	V	W	Y	Zn	Zr
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	1	0.1	0.1	2	0.5
R498881		75	1.7	15.8	149	32.6
R498882		73	1.2	15.8	44	38.0
R498883		71	1.2	14.2	43	39.0
R498884		65	4.6	12.6	914	30.5
R498885		66	3.5	13.0	48	36.4
R498886		52	4.2	8.2	192	28.9
R498887		7	0.3	1.1	16	0.5
R498888		67	3.1	13.4	58	35.2
R498889		73	2.1	15.4	134	33.2
R498890		68	5.7	11.4	904	31.2
R498891		69	1.6	13.7	53	40.1
R498892		73	1.6	14.8	43	37.2
R498893		73	1.5	13.9	42	37.5
R498894		76	1.7	14.1	48	35.9
R498895		59	4.3	10.9	2410	32.1
R498896		63	6.2	10.9	2450	30.0
R498897		63	6.7	9.3	159	37.9
R498898		64	8.6	9.0	441	30.3
R498899		63	7.5	9.1	223	33.6
R498900		76	1.0	15.6	40	37.7
R498901		68	3.3	12.6	115	38.2
R498902		73	4.5	11.5	86	36.6
R498903		60	5.2	7.8	120	28.3
R498904		2	0.3	0.7	17	<0.5
R498905		65	3.5	10.2	118	35.2
R498906		64	3.9	11.9	314	36.1
R498907		64	3.0	14.9	57	32.8
R498908		57	8.1	6.4	51	21.7
R498909		54	2.9	11.4	1220	48.9
R498910		50	1.9	10.0	134	137.0
R498911		70	2.2	14.1	235	38.7
R498912		63	2.3	11.7	93	28.8
R498913		68	4.2	14.2	401	31.6
R498914		67	4.2	13.0	238	27.6
R498915		50	8.2	9.0	3500	32.8
R498916		59	5.6	11.9	2570	36.2

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: KLAZA

Finalized Date: 1-JUL-2015
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH15088819

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	ME-MS61

ALS Canada Ltd.

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 2-JUL-2015
Account: ROCKHA

CERTIFICATE WH15088820

Project: KLAZA

P.O. No.: BATCH 15

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 17-JUN-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21d	Sample logging - ClientBarCode Dup
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
SPL-21d	Split sample - duplicate
BAG-06	Double Bagging Coarse Rejects
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31d	Pulverize Split - duplicate

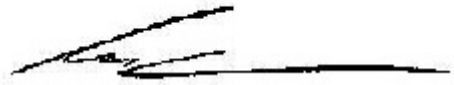
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Zn-OG62	Ore Grade Zn - Four Acid	VARIABLE
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	
Ag-OG62	Ore Grade Ag - Four Acid	VARIABLE
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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Finalized Date: 2-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15088820

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
R498917		5.54	0.088	1.29	7.21	77.7	1030	1.47	1.27	3.61	2.18	51.3	6.7	8	22.7	54.3
R498918		8.73	0.011	0.15	7.36	10.9	2000	1.70	0.24	2.51	0.23	43.5	6.7	10	14.75	8.2
R498919		4.09	0.054	0.43	6.87	60.3	1650	1.64	0.39	2.78	0.93	36.4	6.0	8	24.2	10.9
R498920		2.91	0.162	2.01	6.63	138.5	1340	1.68	1.43	3.22	16.30	46.4	8.0	8	18.50	39.9
R498921		5.73	0.016	0.29	6.52	22.5	1970	1.71	0.29	2.66	0.98	43.9	7.1	9	16.75	9.0
R498922		7.41	0.510	2.14	6.91	132.5	1510	1.74	1.36	2.61	9.11	46.2	6.7	9	19.85	48.4
R498923		<0.02	0.519	2.21	7.08	133.5	1570	1.75	1.42	2.60	9.64	51.9	6.5	10	20.3	49.3
R498924		2.46	0.204	4.69	5.61	135.5	490	1.17	5.96	1.63	5.23	39.8	7.6	9	4.87	76.5
R498925		0.29	0.890	12.00	6.29	1555	200	1.45	11.95	1.82	33.1	40.1	18.0	19	12.55	290
R498926		2.72	0.133	1.99	7.01	115.5	190	1.46	3.95	0.98	2.56	37.2	9.8	9	10.15	30.8
R498927		4.14	0.141	1.02	6.96	137.5	1470	1.55	1.48	3.26	2.73	50.9	8.2	9	18.80	11.4
R498928		3.12	0.142	0.80	6.85	154.0	920	1.64	1.58	3.76	3.11	72.7	12.4	7	21.1	94.8
R498929		6.11	0.065	1.12	6.67	36.4	1080	1.32	3.49	2.71	1.83	55.2	15.3	9	17.75	18.3
R498930		4.62	<0.005	0.01	0.06	<0.2	20	0.06	0.03	21.0	0.06	1.23	1.1	1	0.18	2.7
R498931		1.79	0.099	1.37	7.39	50.0	810	1.59	2.08	1.68	3.50	56.5	6.1	10	14.25	24.0
R498932		1.92	0.259	0.96	7.47	110.0	700	1.88	1.40	1.77	1.28	51.9	12.2	6	21.0	32.7
R498933		6.98	0.025	0.23	8.03	16.4	3070	1.59	0.50	1.78	0.33	45.2	6.3	10	16.25	13.5
R498934		2.44	0.243	2.22	6.38	178.0	460	1.46	5.52	2.81	2.09	35.1	9.2	8	21.5	103.5
R498935		7.69	0.023	0.26	8.13	19.7	2600	1.56	0.59	2.50	0.35	59.8	8.4	11	16.25	30.6
R498936		3.51	0.027	0.26	7.30	24.9	2570	1.54	0.59	2.43	0.38	43.4	9.1	9	17.65	42.0
R498937		2.18	0.330	1.69	7.46	86.8	2120	1.50	3.24	2.97	0.51	52.5	12.8	9	21.4	67.7
R498938		2.05	0.015	0.32	7.15	14.3	2450	1.55	0.73	2.47	0.49	46.9	7.9	10	14.05	17.3
R498939		7.58	0.723	2.17	6.80	48.6	1750	1.61	4.08	2.71	1.13	41.4	7.9	10	22.2	25.6
R498940		3.71	0.019	0.08	7.23	19.3	2760	1.79	0.18	3.85	0.40	61.8	5.8	17	22.6	9.5
R498941		7.56	0.044	0.56	6.76	28.8	1420	1.58	1.32	3.25	0.82	38.0	7.5	9	23.1	20.4
R498942		3.27	0.007	0.16	6.83	8.1	2590	1.45	0.69	2.63	0.22	34.6	6.3	9	19.30	19.2
R498943		9.48	0.323	0.57	7.03	28.0	2860	1.62	1.05	2.87	0.46	38.4	8.7	11	16.80	228
R498944		3.86	0.042	0.60	7.58	52.6	1870	1.65	0.84	2.35	0.69	52.0	11.7	10	20.4	23.0
R498945		0.31	1.820	41.8	5.70	2480	420	1.17	32.8	1.64	44.1	37.8	16.3	21	9.47	1185
R498946		1.09	0.131	2.34	8.54	92.5	1360	2.68	2.11	3.07	2.63	55.5	4.9	7	39.7	42.7
R498947		10.14	0.016	0.62	7.12	32.6	1290	1.94	0.17	3.41	0.75	54.9	4.4	5	19.75	6.7
R498948		9.60	0.032	0.83	7.53	45.0	1700	1.96	0.13	2.61	1.60	56.3	4.7	5	22.8	11.4
R498949		1.53	1.050	>100	6.89	678	2240	1.21	450	3.43	146.5	42.9	33.9	4	11.80	856
R498950		4.57	<0.005	0.34	0.13	0.5	30	0.09	0.50	21.7	0.21	1.41	0.8	<1	0.23	2.8
R498951		7.30	0.931	23.0	8.58	1235	70	1.31	8.78	0.87	7.70	72.7	14.9	10	11.55	1505
R498952		8.47	0.162	2.17	8.32	163.5	500	1.49	2.07	1.57	4.36	85.1	28.4	9	13.40	82.1

***** See Appendix Page for comments regarding this certificate *****

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VANCOUVER BC V6B 1L8

Finalized Date: 2-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15088820

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
R498917		2.74	15.75	0.16	1.2	0.072	3.11	25.1	10.1	1.19	1460	2.25	0.06	7.9	2.2	630
R498918		2.79	16.15	0.14	1.3	0.051	2.94	20.4	24.3	0.71	539	1.30	1.52	8.1	2.4	610
R498919		2.44	14.80	0.14	1.0	0.058	2.80	17.7	48.9	0.90	992	1.01	0.09	7.0	2.1	530
R498920		3.75	14.85	0.14	1.1	0.125	3.12	22.8	44.9	1.10	2560	2.47	0.13	7.5	2.9	560
R498921		2.62	15.15	0.15	1.0	0.066	2.98	19.6	19.7	0.77	887	2.05	1.35	7.7	2.3	580
R498922		2.70	15.75	0.14	0.9	0.115	3.27	22.4	13.7	0.96	2510	3.94	0.04	7.2	2.6	570
R498923		2.65	15.75	0.14	0.9	0.117	3.24	26.1	13.4	0.98	2500	5.94	0.04	7.1	2.3	570
R498924		4.08	13.80	0.14	0.8	0.166	2.85	20.3	12.3	0.86	1380	1.39	0.05	3.7	2.3	380
R498925		6.49	15.40	0.14	1.1	0.795	2.92	18.6	20.3	0.72	1830	8.33	0.12	6.4	12.0	540
R498926		5.12	17.25	0.16	1.2	0.120	3.61	18.1	13.9	0.58	630	1.03	0.06	5.4	2.4	540
R498927		3.54	15.55	0.17	1.0	0.189	3.32	25.4	21.7	1.24	1520	1.51	0.09	7.5	2.7	570
R498928		3.11	15.30	0.16	0.8	0.166	3.04	40.5	14.1	1.30	2730	1.89	0.04	6.5	2.7	540
R498929		3.33	15.05	0.15	0.7	0.150	2.51	27.5	36.4	0.92	732	3.00	0.11	6.5	3.3	550
R498930		0.45	0.23	0.05	<0.1	0.005	0.03	0.6	1.0	12.95	205	0.20	0.01	0.2	1.0	220
R498931		3.37	15.75	0.16	0.9	0.196	3.83	29.1	12.0	0.84	1400	8.45	0.07	6.3	1.8	610
R498932		4.68	18.55	0.17	0.9	0.128	3.65	23.5	13.6	0.83	1230	2.86	0.05	7.0	2.7	860
R498933		2.80	17.55	0.15	1.0	0.068	2.42	20.8	42.5	0.64	550	1.10	0.06	8.1	2.0	670
R498934		5.32	15.00	0.17	0.8	0.150	3.02	16.6	13.2	0.99	704	1.02	0.06	6.5	2.5	560
R498935		3.24	17.45	0.23	0.9	0.067	2.97	30.9	23.9	0.83	572	2.03	1.49	8.1	2.6	660
R498936		3.06	17.00	0.15	0.9	0.066	3.05	19.9	31.4	0.82	621	2.23	1.24	8.3	2.5	660
R498937		4.12	17.30	0.19	0.9	0.080	3.19	25.1	49.2	1.04	862	6.06	0.95	8.1	2.8	670
R498938		3.02	16.30	0.14	0.9	0.062	2.74	21.7	30.3	0.74	562	3.76	1.82	8.2	2.5	680
R498939		3.50	15.15	0.14	0.7	0.143	3.07	19.9	30.8	0.92	875	2.59	0.78	6.7	3.0	600
R498940		2.58	16.20	0.18	3.0	0.027	3.04	31.9	23.5	1.18	613	0.60	0.14	9.0	5.9	1120
R498941		2.98	15.00	0.13	0.7	0.096	2.79	18.9	28.7	1.02	708	9.54	0.62	6.6	2.6	580
R498942		2.81	15.00	0.16	0.7	0.049	2.95	17.2	13.9	0.67	559	4.30	2.07	6.4	2.6	590
R498943		3.25	15.90	0.14	0.8	0.088	2.71	17.5	20.5	0.75	565	6.08	2.11	7.0	3.0	640
R498944		3.92	17.15	0.14	0.9	0.127	2.99	25.8	39.7	0.87	705	5.95	0.55	7.5	2.9	650
R498945		9.09	13.40	0.12	0.8	1.530	2.67	19.1	16.5	0.67	2280	15.85	0.06	4.2	15.0	450
R498946		2.94	23.1	0.14	2.8	0.094	3.02	24.8	47.5	0.88	1200	1.91	0.17	12.3	3.2	1120
R498947		2.52	18.05	0.17	2.1	0.040	2.71	26.0	45.6	0.87	902	1.58	0.14	8.4	1.9	880
R498948		2.77	19.35	0.17	2.2	0.044	2.48	27.0	107.5	0.76	1100	1.69	0.26	8.8	2.2	910
R498949		7.23	14.75	0.12	0.8	5.25	3.38	23.0	10.7	1.26	5230	4.21	0.03	3.2	2.7	680
R498950		0.49	0.36	0.12	<0.1	0.010	0.06	0.7	1.3	13.25	214	0.31	0.02	0.3	1.8	220
R498951		12.80	21.7	0.15	1.1	0.959	4.54	36.3	7.6	0.88	1380	1.53	0.05	3.0	3.9	770
R498952		4.72	17.10	0.13	1.1	0.215	4.12	47.2	7.3	0.94	1990	0.40	0.05	4.6	3.1	620

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 2-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15088820

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
R498917		75.7	115.0	<0.002	0.74	12.80	10.1	1	2.5	98.7	0.70	0.25	14.6	0.250	2.14	6.0
R498918		25.4	107.0	<0.002	0.07	3.88	10.0	1	1.8	284	0.72	<0.05	14.2	0.249	1.32	4.9
R498919		36.5	107.5	<0.002	0.47	6.49	8.7	1	1.6	112.0	0.59	<0.05	12.8	0.219	2.12	4.8
R498920		416	131.5	<0.002	1.97	9.98	9.5	1	3.0	122.0	0.68	0.13	12.7	0.221	2.22	5.7
R498921		40.8	96.5	<0.002	0.24	4.39	9.6	1	1.7	277	0.64	<0.05	10.5	0.242	1.60	3.6
R498922		188.5	141.0	<0.002	1.87	16.90	9.1	1	2.4	80.0	0.59	0.19	11.8	0.235	3.38	4.7
R498923		187.0	156.5	<0.002	1.88	17.10	9.3	1	2.4	80.0	0.58	0.18	13.4	0.232	3.47	4.8
R498924		170.0	178.5	<0.002	3.76	18.05	7.4	1	6.1	29.3	0.32	0.33	9.8	0.131	2.06	3.6
R498925		1285	144.0	<0.002	4.65	65.3	8.9	2	8.1	94.7	0.55	1.11	9.9	0.209	2.51	5.1
R498926		155.0	191.0	<0.002	4.60	6.59	9.8	1	8.9	42.0	0.50	0.66	12.6	0.179	2.49	5.8
R498927		109.5	186.0	<0.002	1.86	7.09	10.0	1	3.1	110.5	0.66	0.13	11.9	0.234	2.74	4.6
R498928		88.4	170.0	<0.002	1.61	12.50	9.0	1	2.4	110.0	0.46	0.23	15.3	0.225	2.85	4.9
R498929		101.5	95.8	<0.002	1.50	14.05	9.3	1	2.9	96.7	0.49	1.53	11.1	0.224	1.82	4.7
R498930		1.5	1.4	<0.002	<0.01	0.07	0.2	<1	<0.2	46.5	<0.05	<0.05	0.2	<0.005	0.02	0.6
R498931		144.5	201	<0.002	1.03	8.17	9.5	<1	5.7	83.5	0.60	0.19	13.2	0.225	3.69	4.6
R498932		86.1	174.5	<0.002	2.30	12.15	12.9	1	5.7	79.0	0.55	0.24	10.9	0.287	3.36	4.1
R498933		17.3	89.4	<0.002	0.31	8.18	10.7	1	2.0	124.0	0.63	0.10	12.8	0.281	1.57	2.0
R498934		96.6	121.5	<0.002	4.04	12.60	9.0	1	4.9	117.5	0.52	0.60	9.4	0.229	2.53	3.4
R498935		24.1	130.0	<0.002	0.33	4.73	11.6	1	2.2	351	0.61	0.08	13.6	0.272	1.61	3.5
R498936		26.3	107.5	<0.002	0.34	6.71	10.6	1	2.4	319	0.62	0.07	10.5	0.274	1.74	2.9
R498937		45.1	161.5	<0.002	1.58	3.94	11.4	1	5.6	314	0.60	1.55	11.4	0.268	2.20	4.0
R498938		26.8	98.7	<0.002	0.17	2.36	10.8	1	2.0	393	0.63	0.12	11.3	0.278	1.41	3.2
R498939		93.6	116.0	<0.002	1.29	4.08	9.4	<1	2.3	290	0.50	0.45	9.5	0.251	2.06	3.1
R498940		20.7	136.0	<0.002	0.09	3.89	6.4	<1	1.2	360	0.64	<0.05	8.9	0.297	2.14	4.0
R498941		37.0	113.0	0.002	0.52	2.54	9.6	1	2.0	235	0.47	0.15	8.4	0.247	1.98	2.3
R498942		17.1	114.0	<0.002	0.06	1.32	8.9	1	1.4	395	0.46	0.19	7.9	0.245	1.64	2.5
R498943		56.5	101.0	<0.002	0.26	3.88	10.2	1	1.9	449	0.52	0.12	8.9	0.262	1.33	3.2
R498944		68.8	140.5	<0.002	1.18	3.96	11.3	1	4.3	289	0.65	0.12	14.3	0.258	1.90	4.4
R498945		1580	148.0	0.002	7.83	104.0	8.1	1	9.5	63.6	0.36	0.65	9.2	0.162	2.08	5.8
R498946		134.5	92.5	<0.002	0.65	10.55	5.9	1	3.7	438	0.85	<0.05	8.8	0.400	2.13	8.7
R498947		68.4	95.4	<0.002	0.19	3.95	5.0	<1	1.4	244	0.61	<0.05	8.2	0.293	1.85	4.1
R498948		99.9	97.1	<0.002	0.28	5.25	5.4	1	1.7	258	0.65	<0.05	8.8	0.304	1.78	5.0
R498949		3030	255	<0.002	7.35	49.9	8.7	1	11.1	81.2	0.30	0.32	12.7	0.138	2.81	3.3
R498950		5.6	2.7	<0.002	<0.01	0.12	0.2	<1	<0.2	53.7	<0.05	<0.05	0.2	<0.005	0.02	0.7
R498951		538	306	<0.002	>10.0	49.0	15.5	1	14.6	32.0	0.31	0.39	17.6	0.184	3.64	6.0
R498952		343	264	<0.002	3.60	8.97	11.2	1	6.6	57.8	0.50	0.22	19.9	0.200	3.51	5.8

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 2-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15088820

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Ag-OG62	Zn-OG62
	Analyte	V	W	Y	Zn	Zr	Ag	Zn
	Units	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	1	0.1	0.1	2	0.5	1	0.001
R498917		68	3.9	14.5	247	31.5		
R498918		70	1.2	14.3	56	33.9		
R498919		61	2.5	12.5	133	28.9		
R498920		64	3.0	14.4	1200	28.0		
R498921		69	2.0	13.2	98	26.8		
R498922		66	6.3	11.6	754	24.3		
R498923		65	6.4	12.2	793	22.9		
R498924		52	7.9	5.6	384	23.7		
R498925		63	6.3	10.1	2450	29.9		
R498926		67	6.9	8.8	237	29.1		
R498927		66	3.1	14.5	262	21.7		
R498928		63	4.3	13.1	239	20.2		
R498929		63	3.4	12.2	179	16.4		
R498930		2	0.2	0.8	15	<0.5		
R498931		61	9.3	10.3	336	20.4		
R498932		96	7.4	12.1	154	18.7		
R498933		74	6.8	13.1	64	23.8		
R498934		65	3.8	11.3	163	18.1		
R498935		75	1.7	16.4	67	21.8		
R498936		75	2.0	13.9	75	21.4		
R498937		79	4.0	15.2	90	19.7		
R498938		77	1.5	14.1	83	20.8		
R498939		69	1.9	12.8	144	19.0		
R498940		61	0.9	12.0	100	124.5		
R498941		68	1.1	13.6	115	17.0		
R498942		67	0.6	13.1	64	18.7		
R498943		73	0.9	14.7	76	19.0		
R498944		74	3.4	15.3	106	21.8		
R498945		56	6.7	9.0	3380	23.9		
R498946		56	2.7	12.9	287	93.9		
R498947		46	1.1	12.1	145	69.6		
R498948		47	1.4	12.4	264	73.4		
R498949		32	6.4	9.1	>10000	21.1	234	1.045
R498950		3	0.1	0.8	28	0.6		
R498951		63	8.9	9.4	635	29.9		
R498952		68	6.3	14.5	425	29.9		

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VANCOUVER BC V6B 1L8

Project: KLAZA

Finalized Date: 2-JUL-2015
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH15088820

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Ag-OG62	Au-AA24	ME-MS61	ME-OG62
Zn-OG62			

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C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 3-JUL-2015
Account: ROCKHA

CERTIFICATE WH15090614

Project: KLAZA

P.O. No.: BATCH 14

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 22-JUN-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21d	Sample logging - ClientBarCode Dup
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
SPL-21d	Split sample - duplicate
BAG-06	Double Bagging Coarse Rejects
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31d	Pulverize Split - duplicate

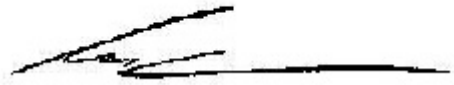
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Pb-OG62	Ore Grade Pb - Four Acid	VARIABLE
As-OG62	Ore Grade As - Four Acid	VARIABLE
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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VANCOUVER BC V6B 1L8

Finalized Date: 3-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15090614

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
R498417		5.05	0.057	2.53	7.53	152.5	1870	1.49	0.62	1.02	12.25	55.3	8.2	7	15.35	21.9
R498418		6.44	0.073	4.63	7.00	213	880	1.77	0.74	1.87	38.0	55.0	13.2	8	21.3	59.8
R498419		3.18	0.120	13.15	6.58	566	710	1.69	2.39	2.56	92.3	49.6	11.7	6	17.95	97.4
R498420		6.04	<0.005	0.06	0.07	0.8	30	0.05	0.02	20.8	0.23	1.17	0.7	1	0.21	1.8
R498421		4.51	0.006	0.25	7.61	21.6	2330	1.41	0.49	1.84	0.36	54.8	4.6	8	23.1	7.1
R498422		4.49	0.066	3.91	6.94	373	1890	1.50	0.35	2.51	17.30	54.3	7.3	9	19.10	28.8
R498423		3.23	0.027	0.87	7.70	133.5	640	1.81	0.31	2.45	0.96	57.6	6.6	8	24.5	9.1
R498424		3.22	0.234	0.29	9.14	25.5	1150	1.73	1.24	2.45	0.28	40.6	10.2	5	15.80	1.5
R498425		1.75	0.516	60.9	5.78	527	600	1.51	0.57	2.73	116.0	40.4	8.3	6	21.5	104.0
R498426		4.04	0.011	0.28	7.47	19.6	890	2.20	0.21	3.34	0.34	57.7	6.1	9	36.0	7.5
R498427		0.32	1.650	42.6	5.88	2270	1310	1.25	38.9	1.66	45.5	39.3	17.5	21	9.63	1170
R498428		2.90	4.47	19.25	6.52	4730	400	1.58	7.32	1.74	50.2	46.6	4.8	7	14.85	350
R498429		7.76	0.040	1.54	7.72	202	1930	1.84	0.23	2.61	2.04	59.3	6.0	7	26.8	44.8
R498430		3.85	0.035	0.73	7.36	26.3	2240	2.09	0.53	2.78	0.91	58.4	5.9	29	25.8	18.3
R498431		1.93	0.654	25.5	6.91	279	1510	1.91	5.82	1.43	31.7	52.9	19.6	14	27.8	114.5
R498432		3.62	<0.005	0.17	8.04	10.8	2420	1.69	0.27	2.18	0.16	57.8	7.1	8	16.95	8.6
R498433		4.38	0.009	0.60	7.45	68.0	1950	1.96	0.20	2.71	1.74	47.9	6.5	9	19.00	17.0
R498434		0.31	0.936	11.45	6.68	1390	980	1.46	11.75	1.86	32.2	49.0	18.6	19	14.40	284
R498435		1.21	0.818	14.25	4.39	1205	240	1.03	3.48	1.49	21.7	25.1	13.9	8	7.32	42.0
R498436		3.96	<0.005	0.23	7.65	13.0	1430	1.49	0.18	2.04	0.29	52.9	5.8	9	15.10	13.3
R498437		4.36	0.110	0.70	7.89	71.5	2140	1.49	0.99	1.52	1.04	57.4	7.6	8	12.85	28.0
R498438		1.89	0.102	0.49	8.17	15.3	1660	1.60	0.75	1.45	0.58	63.3	7.4	8	14.45	39.2
R498439		5.63	0.249	4.26	7.45	2110	1010	1.57	1.09	2.41	10.55	54.5	5.6	7	13.60	31.1
R498440		2.87	0.171	4.98	7.27	972	750	1.59	1.30	2.19	17.25	55.4	9.3	7	11.10	81.8
R498441		1.75	0.473	10.30	5.99	2620	3570	1.38	2.31	2.02	84.9	39.2	6.4	7	9.35	58.0
R498442		4.53	<0.005	0.02	0.10	2.0	40	0.08	0.01	20.7	0.10	1.30	0.8	1	0.19	1.7
R498443		1.22	0.047	1.68	7.75	294	530	1.56	0.51	3.18	4.76	57.2	5.4	6	18.05	26.3
R498444		2.44	0.483	4.13	6.74	2960	670	1.08	2.19	1.69	18.40	42.6	36.1	8	8.36	11.6
R498445		5.76	0.160	8.13	7.31	339	1120	1.19	4.02	2.00	29.9	32.2	49.2	13	6.87	10.7
R498446		<0.02	0.143	7.73	7.18	337	1040	1.22	4.04	1.99	26.2	35.7	48.7	13	6.74	9.7
R498447		2.50	0.796	11.65	6.38	2770	980	1.06	3.41	0.63	54.3	36.4	46.5	13	6.35	39.7
R498448		1.89	0.042	1.41	7.83	138.0	1020	1.45	0.32	2.84	5.22	53.0	5.1	6	17.70	7.6
R498449		1.08	2.95	7.55	6.46	>10000	440	1.16	0.78	1.05	39.1	40.5	4.0	5	18.70	42.3
R498450		3.81	0.056	1.74	7.71	118.0	1620	1.59	0.46	3.06	1.50	46.9	10.3	8	28.3	20.9
R498451		4.29	0.006	0.26	7.54	48.4	1920	1.40	0.28	2.21	0.32	46.4	6.2	9	23.4	7.4
R498452		4.96	<0.005	0.16	7.33	33.2	2240	1.96	0.15	3.29	0.13	53.2	6.9	15	28.3	9.7

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 3-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15090614

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
R498417		3.15	14.90	0.11	1.2	0.175	3.32	31.3	63.5	0.54	1900	1.43	0.07	7.3	2.0	570
R498418		3.20	14.10	0.13	1.2	0.510	3.01	30.3	25.7	0.69	2110	1.25	0.03	6.9	2.3	520
R498419		3.81	13.45	0.12	1.0	0.659	3.07	27.2	42.6	0.89	2640	1.38	0.04	6.5	2.0	470
R498420		0.49	0.21	0.13	<0.1	0.008	0.03	0.6	0.9	12.85	226	0.09	<0.01	0.1	1.5	170
R498421		2.79	15.50	0.13	1.3	0.070	2.82	28.8	202	0.67	968	2.56	0.07	8.2	1.9	600
R498422		3.17	14.05	0.12	1.2	0.135	3.05	30.2	61.1	0.89	2220	2.31	0.04	6.9	2.0	530
R498423		3.13	15.65	0.15	1.4	0.064	2.94	30.9	291	0.85	1680	1.71	0.04	8.1	2.2	620
R498424		6.63	20.7	0.10	1.4	0.102	3.00	18.7	40.5	1.76	1560	2.09	0.48	6.2	3.6	1330
R498425		3.80	11.75	0.09	1.1	0.170	2.47	21.4	71.4	0.93	2450	2.85	0.06	5.6	2.5	450
R498426		2.43	17.20	0.13	3.4	0.035	2.75	30.3	180.0	1.22	712	1.37	0.09	9.8	3.8	740
R498427		9.19	13.30	0.10	0.8	1.635	2.70	21.2	16.3	0.68	2320	16.90	0.06	4.7	13.9	450
R498428		5.33	14.20	0.09	1.1	0.652	2.90	25.4	36.7	0.73	1880	1.55	0.04	6.7	2.3	510
R498429		2.64	15.15	0.12	1.3	0.085	3.11	32.7	27.6	0.89	1800	1.05	0.04	7.9	1.9	560
R498430		2.30	18.10	0.14	3.8	0.043	2.42	31.0	68.5	0.94	652	2.81	0.05	9.0	19.2	650
R498431		4.78	15.25	0.10	1.9	0.347	2.28	27.1	143.0	0.66	906	23.8	0.05	7.4	11.1	560
R498432		2.81	16.20	0.14	1.2	0.060	2.88	30.5	134.0	0.66	578	1.56	1.60	8.4	2.3	650
R498433		2.80	15.70	0.12	1.2	0.043	3.17	23.9	52.1	0.71	1310	1.83	1.31	8.2	2.4	580
R498434		6.59	14.45	0.11	1.0	0.813	2.96	26.9	20.3	0.77	1820	8.33	0.13	6.2	11.6	530
R498435		7.14	9.19	0.06	0.6	0.211	2.10	12.9	23.2	0.56	4820	4.62	0.03	4.0	2.2	300
R498436		2.84	15.20	0.12	1.1	0.047	3.05	27.9	41.4	0.72	1100	3.57	0.20	7.6	2.2	550
R498437		2.89	16.15	0.12	1.4	0.082	2.78	31.2	67.8	0.60	1430	1.08	0.08	8.5	2.0	600
R498438		2.91	16.85	0.12	1.5	0.082	2.83	34.0	83.7	0.59	1340	1.63	0.07	8.8	2.1	630
R498439		3.87	15.30	0.10	1.2	0.116	3.46	30.5	12.2	0.86	3930	2.34	0.02	7.7	2.1	580
R498440		4.80	15.30	0.11	1.1	0.193	3.47	31.3	10.2	0.74	5320	3.27	0.02	6.9	2.4	550
R498441		5.16	13.40	0.09	0.9	0.400	2.86	20.1	16.1	0.75	2480	6.08	0.01	5.9	2.0	450
R498442		0.48	0.29	0.12	<0.1	<0.005	0.04	0.6	1.0	12.70	216	0.07	0.01	0.3	1.9	180
R498443		2.86	16.10	0.12	1.2	0.061	3.54	31.1	10.1	1.04	3370	1.83	0.03	8.3	2.1	620
R498444		5.63	13.95	0.09	1.0	0.148	3.30	24.2	9.0	0.64	2950	1.76	0.02	6.7	2.6	520
R498445		5.56	15.15	0.11	1.7	0.183	3.60	16.3	4.7	0.84	4080	3.60	0.03	7.0	3.2	620
R498446		5.48	14.70	0.09	1.7	0.169	3.57	18.9	4.6	0.82	4100	3.38	0.03	6.8	3.0	650
R498447		8.47	14.35	0.10	1.5	0.255	3.18	18.5	7.4	0.39	1680	7.34	0.02	6.1	3.6	560
R498448		3.85	15.95	0.12	1.1	0.052	3.58	27.5	13.0	0.96	3270	1.33	0.02	7.7	2.2	600
R498449		5.20	15.30	0.11	1.0	0.231	2.95	20.6	16.2	0.50	1730	2.91	0.02	6.3	1.9	440
R498450		3.17	16.75	0.12	1.2	0.076	2.91	23.1	92.7	1.05	1170	2.29	0.04	9.0	2.6	690
R498451		2.82	15.95	0.13	1.3	0.054	3.24	23.1	172.5	0.73	943	1.20	0.26	8.6	2.2	610
R498452		2.43	17.35	0.16	2.3	0.028	3.10	26.7	48.1	0.99	724	1.58	0.04	10.4	4.9	870

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
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VANCOUVER BC V6B 1L8

Finalized Date: 3-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15090614

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
R498417		527	159.0	<0.002	0.90	16.35	9.9	<1	2.3	114.5	0.61	0.12	15.0	0.243	2.37	4.8
R498418		941	157.0	<0.002	1.48	20.7	9.2	<1	2.7	122.0	0.59	0.13	14.5	0.220	2.83	6.2
R498419		1240	171.0	<0.002	2.04	23.9	8.2	1	2.6	133.0	0.57	1.19	13.3	0.204	2.64	5.6
R498420		4.1	1.4	<0.002	<0.01	0.09	0.2	<1	<0.2	49.7	<0.05	<0.05	<0.2	<0.005	<0.02	0.8
R498421		16.4	116.0	<0.002	0.18	19.05	9.7	1	1.7	184.5	0.74	0.24	15.8	0.256	1.97	3.3
R498422		668	168.0	<0.002	1.03	18.85	9.3	1	2.6	150.5	0.59	<0.05	14.0	0.221	2.58	5.3
R498423		68.3	150.5	<0.002	0.64	13.90	10.7	1	1.9	291	0.68	0.10	15.6	0.256	2.53	4.6
R498424		18.8	157.5	<0.002	0.46	8.19	16.3	1	1.7	244	0.36	0.63	3.6	0.489	2.97	2.6
R498425		>10000	132.5	<0.002	1.75	68.2	7.1	1	2.0	209	0.48	0.07	9.8	0.186	2.00	6.9
R498426		43.9	120.0	<0.002	0.11	12.55	7.5	<1	1.3	531	0.73	<0.05	9.7	0.295	2.03	6.6
R498427		1660	154.0	<0.002	8.02	108.0	8.0	2	10.6	67.3	0.39	0.71	9.7	0.166	2.34	6.0
R498428		1700	185.0	<0.002	4.47	65.7	8.4	<1	9.5	141.5	0.51	0.08	11.3	0.213	2.58	4.9
R498429		160.0	163.0	<0.002	0.68	21.1	9.9	1	2.0	230	0.68	<0.05	17.1	0.247	3.28	5.9
R498430		109.0	87.5	<0.002	0.17	19.20	6.2	1	2.2	386	0.73	<0.05	11.6	0.263	1.17	5.9
R498431		4890	115.0	<0.002	3.33	74.5	8.0	1	4.3	289	0.61	0.76	12.4	0.229	1.59	11.7
R498432		21.6	120.0	<0.002	0.09	8.68	10.5	1	1.7	333	0.68	0.09	13.4	0.277	1.22	4.4
R498433		128.0	126.0	<0.002	0.18	7.84	9.5	<1	1.8	305	0.73	<0.05	14.1	0.253	1.90	5.0
R498434		1295	169.5	<0.002	4.73	66.5	9.0	2	7.6	98.8	0.52	1.11	11.5	0.207	2.60	5.5
R498435		2140	142.5	<0.002	6.44	54.3	5.4	<1	5.0	51.4	0.32	0.42	7.6	0.133	1.91	4.1
R498436		25.9	130.0	<0.002	0.09	17.70	9.8	1	1.6	144.5	0.60	<0.05	16.6	0.240	1.74	4.7
R498437		59.6	134.0	<0.002	0.58	19.30	10.1	1	2.0	144.0	0.75	0.40	16.6	0.250	1.75	4.6
R498438		40.2	137.0	<0.002	0.39	23.2	10.6	<1	2.1	147.0	0.82	0.40	17.8	0.262	1.81	4.1
R498439		707	244	<0.002	2.39	28.5	10.0	1	5.7	97.6	0.71	<0.05	15.5	0.238	3.24	7.0
R498440		598	238	<0.002	3.11	33.4	9.7	1	4.4	75.1	0.53	0.22	14.9	0.225	3.28	4.7
R498441		2830	194.5	<0.002	4.95	45.4	8.2	<1	5.2	118.0	0.48	0.15	10.2	0.196	2.75	4.6
R498442		4.5	1.8	<0.002	<0.01	0.15	0.2	1	<0.2	49.5	<0.05	<0.05	0.2	0.006	0.02	0.8
R498443		178.5	193.5	<0.002	1.52	16.95	10.6	<1	2.8	176.0	0.69	0.18	15.5	0.264	3.62	4.9
R498444		560	229	<0.002	5.12	22.2	8.9	<1	5.4	59.9	0.52	0.58	12.4	0.219	3.14	3.5
R498445		1580	230	<0.002	3.92	6.94	10.2	1	3.7	43.5	0.56	1.13	11.2	0.251	3.12	4.4
R498446		1470	222	<0.002	3.88	6.45	10.1	1	3.6	42.5	0.56	1.08	10.9	0.251	3.10	4.3
R498447		2260	193.5	<0.002	8.53	15.05	8.7	1	5.2	31.5	0.47	1.92	9.8	0.223	2.54	4.7
R498448		313	204	<0.002	2.47	9.25	10.0	1	3.4	175.0	0.63	0.06	14.6	0.253	3.19	4.9
R498449		2310	197.5	<0.002	4.43	52.9	8.1	1	9.2	100.5	0.53	0.06	11.4	0.210	2.61	4.2
R498450		213	107.5	<0.002	0.57	13.10	11.6	1	2.1	274	0.66	0.13	12.3	0.287	2.32	5.2
R498451		36.9	126.0	<0.002	0.30	9.78	9.5	1	1.8	268	0.69	0.05	13.8	0.262	1.88	3.9
R498452		22.6	115.0	<0.002	0.21	8.67	6.2	1	1.7	353	0.72	<0.05	10.2	0.275	2.31	5.4

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CERTIFICATE OF ANALYSIS WH15090614

Sample Description	Method / Analyte / Units / LOR	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Pb-OG62 Pb % 0.001	As-OG62 As % 0.001
R498417		68	3.7	13.7	1200	32.0		
R498418		64	3.8	13.7	4140	32.0		
R498419		56	2.3	13.5	7050	30.2		
R498420		3	0.1	0.7	34	<0.5		
R498421		69	2.4	15.2	64	35.1		
R498422		62	3.0	14.4	1380	32.1		
R498423		72	3.6	16.2	99	39.3		
R498424		164	2.9	18.6	120	49.4		
R498425		54	3.2	13.4	6900	34.1	1.210	
R498426		70	2.3	14.4	61	131.5		
R498427		57	7.0	9.7	3310	23.5		
R498428		59	6.4	10.3	3580	34.7		
R498429		68	6.5	31.5	150	33.1		
R498430		53	2.1	13.1	109	152.5		
R498431		60	4.0	13.6	2220	66.9		
R498432		75	3.2	16.9	46	32.4		
R498433		68	2.4	15.8	149	32.7		
R498434		62	5.6	11.9	2370	30.2		
R498435		40	7.4	7.9	1570	14.5		
R498436		66	3.7	17.4	58	32.5		
R498437		67	3.1	16.1	102	37.2		
R498438		71	2.8	16.9	73	37.5		
R498439		67	6.9	14.3	769	32.2		
R498440		64	7.2	13.5	1280	28.8		
R498441		54	5.7	7.8	4910	25.7		
R498442		3	0.1	0.7	16	0.6		
R498443		72	4.0	14.9	351	33.2		
R498444		59	3.0	8.7	1150	30.9		
R498445		73	3.1	11.2	1870	58.2		
R498446		73	3.1	10.8	1640	56.8		
R498447		63	4.4	9.9	3140	50.7		
R498448		67	6.1	13.0	363	30.7		
R498449		58	5.8	7.9	2510	28.0		1.010
R498450		78	3.3	16.5	136	32.1		
R498451		70	2.3	14.6	60	33.7		
R498452		60	2.6	12.6	61	84.3		

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

2103 Dollarton Hwy
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Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: KLAZA

Finalized Date: 3-JUL-2015
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH15090614

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

As-OG62	Au-AA24	ME-MS61	ME-OG62
Pb-OG62			

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 2-JUL-2015
Account: ROCKHA

CERTIFICATE WH15090617

Project: KLAZA

P.O. No.: BATCH 16

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 22-JUN-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21d	Sample logging - ClientBarCode Dup
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
SPL-21d	Split sample - duplicate
BAG-06	Double Bagging Coarse Rejects
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31d	Pulverize Split - duplicate

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
ME-MS61	48 element four acid ICP-MS	

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 2-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15090617

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-AA24 Au ppm 0.005	Au-GRA22 Au ppm 0.05	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05
R498953		2.90	0.701		7.68	7.03	493	190	1.46	8.27	0.24	4.83	48.6	16.0	13	6.57
R498954		5.26	0.611		4.70	7.23	391	210	1.44	5.55	0.76	3.29	52.9	9.6	10	8.87
R498955		10.06	0.107		0.77	6.77	131.0	820	1.91	0.22	3.53	4.27	57.7	7.3	15	14.95
R498956		4.45	0.440		4.71	7.07	314	270	1.43	5.88	0.47	4.56	66.5	9.9	11	7.94
R498957		2.50	0.318		3.64	7.37	284	320	1.49	4.94	0.47	3.30	57.7	13.7	9	8.18
R498958		0.34	0.358		4.21	6.81	733	380	1.41	3.44	2.10	10.80	53.6	12.9	24	13.70
R498959		10.30	0.184		0.57	7.25	68.4	1650	1.60	2.88	2.44	0.46	49.3	7.1	13	20.0
R498960		1.41	>10.0	11.05	8.26	6.49	3880	130	1.15	46.9	1.62	2.50	47.5	8.8	9	22.0
R498961		1.72	0.054		0.36	7.37	26.2	310	1.58	2.69	2.14	0.24	77.2	72.2	12	8.09
R498962		4.50	0.577		0.36	7.47	34.5	2200	1.85	2.51	2.47	0.71	53.6	16.6	12	8.49
R498963		7.19	0.055		0.43	7.51	16.4	2400	1.64	2.09	2.57	0.14	51.4	10.3	13	7.98
R498964		4.20	0.874		2.21	7.68	69.7	510	1.54	6.50	2.17	1.81	57.8	10.8	11	9.69
R498965		4.02	1.815		7.03	7.01	2530	560	1.33	20.6	1.01	8.98	46.9	84.2	11	7.69
R498966		4.65	<0.005		0.03	0.09	1.4	30	0.08	0.06	21.1	0.07	1.33	1.0	1	0.28
R498967		2.28	8.47		42.1	5.93	711	300	1.22	81.1	2.07	20.9	38.7	13.1	7	7.25
R498968		2.94	0.743		1.56	6.80	2760	1160	1.61	1.37	2.91	2.71	43.4	8.6	9	19.45
R498969		3.51	0.016		0.29	7.34	27.6	2230	1.69	1.32	2.70	0.10	45.5	7.3	12	13.95
R498970		<0.02	0.018		0.28	7.55	28.9	2190	1.72	1.33	2.65	0.08	53.0	7.2	10	14.30
R498971		3.94	0.177		27.2	6.39	516	400	1.50	54.4	4.57	4.00	48.4	8.1	9	13.45
R498972		2.78	0.032		0.33	7.36	22.2	1860	1.48	0.64	2.00	0.12	42.8	8.1	9	11.80
R498973		3.68	0.032		0.10	6.91	11.5	2160	1.80	0.72	2.23	0.10	49.0	6.2	10	9.00
R498974		5.22	0.299		0.29	7.29	12.7	2890	1.62	2.62	2.48	0.16	50.4	6.7	14	10.10
R498975		2.77	0.505		2.42	7.91	695	300	1.66	4.39	0.97	0.93	53.9	7.4	10	15.60
R498976		2.97	0.216		2.82	7.95	68.3	410	1.72	4.84	1.45	0.98	66.1	19.0	11	16.50
R498977		4.56	0.147		1.07	7.22	70.5	410	1.29	1.77	1.11	0.65	50.8	9.0	11	13.00
R498978		0.34	0.867		11.40	6.66	1665	230	1.41	11.55	1.87	33.2	45.4	18.4	20	13.75
R498979		1.35	0.693		5.14	5.46	468	370	1.04	8.01	1.02	4.11	34.3	7.6	9	8.14
R498980		3.70	0.218		1.05	7.56	69.7	490	1.62	2.16	1.98	0.65	61.0	9.7	10	17.70
R498981		3.01	0.311		1.83	7.68	72.0	480	1.58	2.93	1.42	0.33	62.7	11.9	15	13.95
R498982		5.23	0.375		0.92	7.31	82.7	520	1.47	1.87	1.56	0.42	57.2	17.6	15	12.60
R498983		4.70	0.083		0.47	7.52	41.0	1750	1.61	0.85	1.74	0.33	49.0	7.2	12	12.70
R498984		1.63	0.979		19.90	5.02	838	310	0.98	19.20	0.73	2.37	17.30	9.6	7	5.49
R498985		4.59	<0.005		0.04	0.07	<0.2	20	<0.05	0.05	20.8	0.07	1.18	0.8	<1	0.14
R498986		7.94	0.198		1.29	7.56	158.5	630	1.61	1.80	1.63	0.41	58.9	8.0	11	14.05
R498987		5.20	0.123		0.39	7.49	24.6	2260	1.70	0.69	2.58	0.79	45.3	7.8	16	13.95
R498988		9.60	0.029		0.26	7.32	38.2	1750	1.64	0.52	2.38	0.30	43.8	7.6	12	16.75

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 2-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15090617

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni
	Units	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	LOR	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2
R498953		147.0	5.91	20.5	0.16	1.2	0.280	3.61	25.6	7.8	0.39	234	1.08	0.05	4.6	3.2
R498954		89.3	5.64	20.1	0.18	1.1	0.229	3.73	27.8	11.3	0.56	703	1.33	0.04	4.6	2.7
R498955		18.3	2.58	19.25	0.16	3.5	0.028	3.34	28.4	18.2	1.10	3750	1.86	0.02	10.4	6.4
R498956		181.5	5.32	19.70	0.19	0.9	0.330	3.72	36.0	9.8	0.51	932	1.31	0.04	5.2	2.4
R498957		140.5	5.22	19.55	0.17	1.0	0.263	3.85	31.6	10.0	0.52	901	1.76	0.04	5.5	2.5
R498958		315	5.10	16.30	0.15	1.2	0.299	3.10	30.0	25.0	0.79	1870	14.50	0.15	6.3	14.9
R498959		49.3	3.17	17.10	0.14	1.2	0.079	2.87	24.4	34.8	0.86	983	17.65	0.12	8.3	2.8
R498960		1910	8.16	16.50	0.16	0.9	0.766	2.47	23.7	29.7	0.71	605	37.6	0.13	6.9	3.4
R498961		19.1	4.29	17.05	0.17	1.0	0.062	3.93	44.7	11.6	0.74	397	1.06	1.33	6.8	9.9
R498962		32.5	3.26	18.15	0.17	1.3	0.071	3.26	28.2	12.7	0.71	455	2.00	1.61	8.5	2.9
R498963		48.5	3.29	17.55	0.14	0.9	0.105	3.02	25.8	10.9	0.88	508	1.66	2.13	8.2	3.2
R498964		202	4.37	18.40	0.20	1.0	0.139	3.75	30.6	16.5	0.79	553	1.93	0.69	7.6	2.9
R498965		259	9.16	16.30	0.20	0.8	0.528	3.50	25.0	8.2	0.67	338	3.77	0.14	5.0	4.7
R498966		2.5	0.51	0.31	0.05	<0.1	0.006	0.04	0.7	1.0	13.05	220	0.17	0.01	0.2	1.7
R498967		489	10.05	15.00	0.15	0.7	0.431	2.93	20.1	5.2	1.00	1820	1.85	0.04	5.5	2.7
R498968		43.0	3.82	18.10	0.13	0.9	0.146	2.96	21.4	19.2	0.96	1370	1.19	0.04	7.4	3.1
R498969		19.4	3.23	18.10	0.14	1.3	0.095	2.73	21.6	12.4	0.79	541	1.30	1.57	8.4	2.9
R498970		17.8	3.13	17.30	0.15	1.3	0.093	2.71	26.2	12.2	0.79	545	1.18	1.52	8.3	2.7
R498971		309	4.48	15.20	0.14	1.1	0.308	2.63	26.2	10.9	1.45	1280	2.18	0.60	6.6	3.1
R498972		37.7	2.99	18.05	0.14	1.2	0.063	2.87	20.5	30.3	0.51	797	1.58	0.08	8.4	2.7
R498973		19.5	2.33	16.05	0.15	1.4	0.061	3.11	24.4	14.3	0.65	295	2.47	1.92	8.6	2.5
R498974		80.7	3.05	17.15	0.15	1.2	0.074	3.07	25.5	16.9	0.77	311	3.78	1.56	7.7	2.9
R498975		28.5	6.30	19.55	0.18	1.2	0.208	3.90	28.6	7.8	0.58	1040	2.85	0.05	7.5	3.0
R498976		84.2	4.68	18.30	0.18	1.3	0.178	3.79	35.7	14.3	0.72	1040	2.70	0.45	4.9	3.0
R498977		62.2	4.56	14.80	0.18	1.0	0.195	3.52	28.1	13.2	0.73	703	0.42	0.04	4.6	2.8
R498978		295	6.63	15.90	0.15	1.1	0.784	2.99	23.3	19.5	0.76	1840	8.33	0.13	6.6	12.6
R498979		293	8.27	14.10	0.15	0.9	0.435	2.62	18.6	8.7	0.55	709	1.19	0.03	3.5	1.9
R498980		52.8	4.19	16.80	0.15	0.9	0.149	3.25	33.6	87.5	0.96	992	0.61	0.04	4.1	2.3
R498981		132.5	4.57	18.85	0.15	0.9	0.171	3.64	35.4	13.6	0.80	769	3.01	0.05	3.0	2.1
R498982		113.0	4.25	17.15	0.15	1.0	0.143	3.54	32.2	26.4	0.84	655	0.49	0.06	4.5	2.8
R498983		43.1	3.23	17.65	0.14	1.2	0.085	3.52	25.5	47.9	0.69	695	2.95	0.06	6.5	2.8
R498984		2350	7.58	14.40	0.14	0.7	0.856	2.38	9.3	21.2	0.39	268	4.77	0.04	2.9	1.8
R498985		3.9	0.48	0.14	<0.05	<0.1	0.005	0.03	0.6	0.9	12.85	219	0.10	<0.01	0.1	1.4
R498986		45.7	3.79	18.40	0.16	1.1	0.097	3.58	32.9	9.4	0.82	898	1.70	0.04	6.9	2.9
R498987		40.2	3.12	17.50	0.15	1.1	0.084	3.15	22.3	16.1	0.86	580	1.80	1.77	8.4	3.0
R498988		18.1	3.18	17.50	0.14	1.2	0.081	2.80	21.4	38.1	0.71	644	1.31	0.94	8.2	3.0

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VANCOUVER BC V6B 1L8

Finalized Date: 2-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15090617

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
	LOR	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02
R498953		530	495	231	<0.002	6.26	16.50	9.8	1	19.7	10.9	0.46	0.30	15.5	0.175	2.41
R498954		610	361	264	<0.002	5.82	16.25	10.5	1	15.9	66.7	0.39	0.35	15.7	0.178	3.25
R498955		1030	149.0	131.0	<0.002	1.00	14.60	6.7	<1	1.7	208	0.71	<0.05	9.0	0.293	3.30
R498956		580	246	263	<0.002	5.08	15.60	10.2	1	12.6	21.9	0.40	0.94	13.8	0.183	3.02
R498957		610	186.5	273	<0.002	4.89	12.45	9.7	1	12.4	20.8	0.41	0.77	13.8	0.187	3.27
R498958		530	496	160.0	0.004	2.77	29.0	9.5	1	5.9	110.0	0.52	0.27	12.6	0.214	2.60
R498959		620	23.8	107.0	<0.002	0.55	16.65	11.0	1	3.3	107.5	0.74	0.08	14.0	0.260	2.01
R498960		530	34.6	118.5	0.002	5.82	291	10.0	1	10.8	73.5	0.53	0.72	12.3	0.217	1.42
R498961		660	22.4	155.0	<0.002	2.74	2.20	11.1	2	4.6	242	0.54	0.86	12.0	0.246	2.15
R498962		630	23.7	136.0	<0.002	1.20	3.92	11.0	1	5.4	285	0.88	0.23	14.2	0.253	1.80
R498963		650	16.2	109.0	<0.002	0.67	3.14	11.1	<1	4.3	370	0.66	0.13	13.6	0.283	1.55
R498964		640	130.5	189.0	<0.002	2.51	19.20	11.4	1	9.0	170.0	0.62	0.42	13.7	0.248	2.27
R498965		570	862	219	<0.002	8.66	102.5	10.0	2	11.4	42.4	0.39	4.36	12.6	0.182	2.29
R498966		190	2.3	1.7	<0.002	0.01	0.20	0.3	<1	<0.2	51.8	<0.05	<0.05	<0.2	0.005	<0.02
R498967		470	438	173.5	<0.002	9.22	27.4	8.9	1	10.9	40.5	0.45	1.75	10.9	0.182	2.04
R498968		630	98.2	96.5	<0.002	1.70	17.35	10.5	<1	6.4	83.1	0.51	0.09	9.3	0.261	2.23
R498969		680	22.8	91.5	<0.002	0.48	3.12	11.0	1	2.3	327	0.67	0.22	11.6	0.287	1.63
R498970		650	23.8	103.0	<0.002	0.51	3.05	11.2	<1	2.2	314	0.66	0.23	13.9	0.283	1.66
R498971		510	290	123.5	<0.002	2.41	37.5	10.2	1	4.8	192.0	0.53	0.23	10.8	0.220	2.02
R498972		660	25.7	102.0	<0.002	0.40	8.94	11.1	1	2.4	108.0	0.71	0.06	10.9	0.287	1.71
R498973		470	20.2	123.0	<0.002	0.28	0.97	8.6	1	1.9	319	1.04	0.13	18.5	0.208	1.40
R498974		600	20.1	123.0	<0.002	1.02	1.96	10.4	1	3.1	449	0.65	0.83	13.2	0.250	1.73
R498975		830	143.0	257	<0.002	5.87	7.76	10.3	<1	10.4	42.9	0.59	0.34	13.4	0.265	3.14
R498976		740	84.6	191.5	0.002	3.23	3.76	12.5	1	8.9	97.6	0.52	0.33	13.8	0.191	3.02
R498977		560	40.1	224	<0.002	3.30	4.65	9.6	1	7.3	53.1	0.42	0.30	12.1	0.155	3.15
R498978		550	1380	159.5	<0.002	4.75	64.2	9.9	2	8.3	97.6	0.54	1.05	11.3	0.213	2.62
R498979		440	152.5	192.0	<0.002	8.31	7.80	8.0	<1	12.1	42.9	0.30	0.48	10.4	0.118	2.30
R498980		620	42.3	180.5	<0.002	2.87	4.70	11.0	1	7.8	89.8	0.36	0.37	14.3	0.170	2.75
R498981		600	24.4	229	<0.002	3.51	12.10	11.0	2	9.9	67.7	0.25	1.05	13.5	0.160	3.03
R498982		570	33.0	203	<0.002	2.87	14.25	10.6	1	8.7	82.2	0.39	0.34	13.5	0.169	2.76
R498983		610	43.1	160.0	<0.002	1.48	19.75	10.6	1	4.7	111.5	0.54	0.16	13.2	0.227	2.58
R498984		370	289	119.0	<0.002	8.32	216	8.2	1	12.2	21.7	0.24	0.65	8.8	0.102	1.42
R498985		190	1.7	1.4	<0.002	0.01	0.32	0.2	<1	<0.2	48.2	<0.05	<0.05	<0.2	<0.005	<0.02
R498986		630	92.1	226	<0.002	3.00	14.85	12.3	1	8.6	60.4	0.52	0.38	13.5	0.239	2.81
R498987		640	63.4	121.5	<0.002	0.44	5.19	11.0	1	2.8	341	0.66	0.22	11.6	0.274	1.82
R498988		630	28.0	96.9	<0.002	0.55	10.75	10.7	<1	2.4	243	0.70	0.07	12.0	0.269	1.58

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
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www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 2-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15090617

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	U	V	W	Y	Zn	Zr
	Units	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.1	1	0.1	0.1	2	0.5
R498953		3.5	63	7.1	8.0	362	29.0
R498954		3.7	68	6.3	9.5	273	30.2
R498955		4.4	59	3.3	12.3	368	135.5
R498956		4.3	65	9.0	9.0	373	23.9
R498957		3.7	66	9.7	9.4	270	25.0
R498958		5.8	66	5.8	12.1	894	31.5
R498959		5.2	74	14.6	15.8	70	29.8
R498960		7.6	62	15.0	13.8	234	24.6
R498961		4.2	72	1.5	15.0	47	24.5
R498962		5.9	71	1.8	15.1	75	27.2
R498963		4.6	75	1.8	16.9	45	24.0
R498964		5.3	71	3.1	14.7	201	24.8
R498965		4.9	65	4.5	11.3	735	20.8
R498966		1.0	2	0.1	0.8	18	0.6
R498967		4.6	55	6.2	9.6	1460	17.5
R498968		4.2	71	6.1	11.6	224	24.2
R498969		4.9	76	1.9	15.2	32	34.6
R498970		5.5	75	1.4	15.9	31	34.0
R498971		9.4	65	4.2	17.7	392	26.9
R498972		3.3	77	7.0	14.2	40	30.8
R498973		7.2	54	1.3	15.0	23	31.6
R498974		4.6	68	1.5	14.0	27	29.3
R498975		5.1	73	9.7	11.2	95	31.2
R498976		6.1	81	7.3	12.0	130	29.6
R498977		4.6	64	6.9	8.5	101	25.1
R498978		5.6	64	6.1	11.6	2490	30.5
R498979		2.9	51	8.5	7.6	486	19.7
R498980		5.5	72	5.4	10.3	97	22.7
R498981		3.6	72	4.8	11.0	57	24.1
R498982		4.4	67	4.2	11.2	66	24.1
R498983		4.3	73	4.7	11.6	55	28.9
R498984		3.5	50	8.1	6.1	217	17.2
R498985		0.8	2	0.1	0.8	16	<0.5
R498986		4.8	76	8.3	11.5	52	27.8
R498987		4.0	76	1.8	15.0	98	27.7
R498988		3.4	74	7.6	14.2	50	29.4

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: KLAZA

Finalized Date: 2-JUL-2015
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH15090617

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	Au-GRA22	ME-MS61

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 8-JUL-2015
Account: ROCKHA

CERTIFICATE WH15092110

Project: KLAZA

P.O. No.: BATCH 17

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 24-JUN-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21d	Sample logging - ClientBarCode Dup
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
SPL-21d	Split sample - duplicate
BAG-06	Double Bagging Coarse Rejects
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31d	Pulverize Split - duplicate

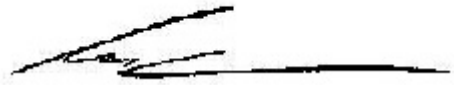
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Pb-OG62	Ore Grade Pb - Four Acid	VARIABLE
Zn-OG62	Ore Grade Zn - Four Acid	VARIABLE
As-OG62	Ore Grade As - Four Acid	VARIABLE
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	
Ag-OG62	Ore Grade Ag - Four Acid	VARIABLE
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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VANCOUVER BC V6B 1L8

Finalized Date: 8-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15092110

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
R498989		1.37	3.36	9.20	5.25	979	230	1.21	9.11	2.23	21.5	39.4	5.1	8	9.37	527
R498990		4.40	0.025	0.26	7.39	16.2	1420	1.33	0.64	2.15	1.30	48.3	6.4	9	24.7	20.2
R498991		2.82	1.385	2.25	7.22	274	820	1.56	1.13	1.68	0.90	49.6	5.6	10	11.80	191.5
R498992		3.99	0.022	0.16	7.21	8.0	3080	1.65	0.58	2.78	0.17	44.9	7.1	11	11.85	15.5
R498993		9.42	0.083	1.48	7.93	435	2680	1.85	2.45	0.67	53.9	48.9	9.1	10	10.80	388
R498994		4.55	<0.005	0.35	7.36	8.5	2320	1.64	0.18	2.67	1.65	45.0	6.3	11	11.60	8.4
R498995		0.34	0.855	11.95	6.51	1580	180	1.46	13.20	1.85	31.6	47.1	18.3	19	14.65	286
R498996		3.24	0.070	4.13	7.05	167.5	890	1.53	3.50	1.91	17.45	46.8	17.0	9	18.55	65.9
R498997		6.91	<0.005	0.31	7.51	19.4	2260	1.57	0.40	2.62	0.63	46.7	7.0	11	15.25	16.9
R498998		6.99	0.681	10.45	6.59	920	610	1.44	12.50	1.63	31.4	44.3	51.2	10	13.75	135.0
R498999		4.60	<0.005	0.03	0.06	0.7	30	<0.05	0.04	21.2	0.10	1.17	0.6	1	0.18	1.3
R499000		5.73	<0.005	0.15	7.17	6.5	2200	1.36	0.16	2.74	0.25	44.3	7.0	12	9.63	12.6
R499001		2.64	0.036	2.68	6.97	58.1	1530	1.36	4.04	2.82	6.17	49.4	5.8	10	12.15	36.4
R499002		7.17	<0.005	0.44	7.59	22.7	3220	1.41	0.52	2.47	1.12	44.7	6.2	12	14.65	29.0
R499003		10.26	<0.005	0.34	7.37	12.0	2450	1.59	0.30	2.79	0.48	45.1	5.9	13	10.85	13.7
R499004		4.61	0.170	5.46	6.28	156.0	460	1.32	1.70	1.96	75.1	53.6	6.4	9	12.00	44.7
R499005		3.10	0.185	6.16	6.54	1010	920	1.39	1.18	2.89	43.6	45.3	6.7	9	14.85	67.1
R499006		3.13	<0.005	0.17	7.43	8.5	2420	1.52	0.18	3.00	0.44	45.4	7.4	11	12.05	10.8
R499007		6.31	0.041	2.41	7.31	197.0	1360	1.47	1.30	2.60	5.34	49.6	7.0	11	17.60	56.3
R499008		0.34	0.361	4.45	6.83	724	410	1.36	3.36	2.05	10.30	50.6	11.6	25	14.55	310
R499009		3.10	0.006	0.59	7.18	25.9	1980	1.58	0.58	2.73	1.72	43.8	7.3	10	15.45	32.5
R499010		1.49	0.007	0.41	7.13	19.8	2080	1.49	0.38	2.71	0.71	42.3	7.1	9	14.45	23.4
R499011		1.30	0.198	2.25	6.90	3630	220	1.47	2.97	0.48	3.57	51.3	7.1	9	12.50	15.3
R499012		5.22	0.032	2.55	6.76	105.0	2310	1.60	1.97	3.27	18.80	44.7	7.0	10	17.35	44.5
R499013		5.38	0.057	1.37	7.01	142.5	1040	2.00	47.1	2.65	0.65	37.5	6.9	33	18.75	365
R499014		3.63	0.544	6.56	6.40	270	330	1.35	3.75	2.60	46.5	42.3	8.8	16	12.30	115.5
R499015		7.31	0.013	0.37	7.28	20.1	1190	1.69	0.37	2.70	0.58	48.3	8.3	21	15.35	11.9
R499016		<0.02	0.011	0.38	7.55	19.1	1190	1.58	0.27	2.71	0.58	49.5	8.2	21	15.45	11.1
R499017		3.01	0.491	11.60	6.82	198.5	390	1.89	24.4	3.10	67.9	38.8	9.7	34	11.15	193.5
R499018		5.11	4.27	98.1	5.41	1600	670	1.54	185.0	1.65	151.0	35.1	32.3	19	16.70	3040
R499019		4.56	<0.005	0.09	0.07	0.9	30	<0.05	0.17	21.4	0.25	1.23	0.6	1	0.17	3.3
R499020		4.37	0.007	0.40	6.27	20.2	1610	1.27	0.49	1.03	0.45	36.3	1.7	3	8.35	8.0
R499021		8.12	0.704	8.71	6.99	598	540	1.58	4.76	1.91	32.6	43.5	7.7	26	13.70	142.5
R499022		4.80	8.79	>100	6.57	>10000	460	1.38	3.53	0.79	437	44.4	6.3	11	15.70	644
R499023		5.23	0.012	0.61	7.21	28.9	1710	1.87	0.19	2.98	1.19	49.5	7.9	21	29.5	11.9
R499024		4.64	0.010	0.53	6.61	24.4	1840	2.06	0.18	3.83	0.79	44.2	6.8	21	25.7	16.6

***** See Appendix Page for comments regarding this certificate *****

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VANCOUVER BC V6B 1L8

Finalized Date: 8-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15092110

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
R498989		5.49	13.30	0.07	0.8	0.630	2.58	22.0	23.0	0.75	1820	2.43	0.03	4.6	2.9	400
R498990		3.11	17.15	0.08	1.1	0.080	2.73	23.3	69.8	0.72	1110	7.57	0.09	8.8	2.6	750
R498991		3.63	17.00	0.08	1.1	0.247	2.43	26.2	132.0	0.70	396	1.77	0.05	6.8	2.8	620
R498992		3.14	16.65	0.08	1.1	0.058	2.71	22.6	17.6	0.82	371	1.74	1.71	7.8	3.0	670
R498993		4.40	16.65	0.09	1.0	0.493	2.92	24.7	24.7	0.39	2680	1.74	0.12	6.8	5.4	630
R498994		3.09	16.65	0.09	1.2	0.059	2.88	21.8	11.5	0.81	736	1.83	2.08	8.5	2.7	660
R498995		6.60	15.65	0.09	1.1	0.801	2.89	24.5	19.8	0.77	1840	9.28	0.13	6.4	11.9	550
R498996		4.94	15.30	0.09	1.1	0.758	3.14	24.0	20.4	0.79	1660	1.33	0.13	7.5	3.1	620
R498997		3.17	16.45	0.09	1.2	0.092	2.92	22.8	11.6	0.74	974	1.25	1.70	8.5	2.7	670
R498998		8.38	14.45	0.09	1.1	0.925	3.05	23.0	8.6	0.71	2400	2.77	0.06	6.4	3.2	590
R498999		0.49	0.18	0.05	<0.1	0.008	0.02	0.6	1.1	13.30	231	0.07	0.01	0.1	1.5	230
R499000		3.07	16.25	0.09	1.6	0.045	2.67	21.0	9.0	0.83	763	0.98	2.26	8.8	2.8	640
R499001		4.44	16.40	0.10	1.1	0.297	3.13	25.2	13.7	0.81	1680	1.06	0.92	7.7	2.6	620
R499002		3.28	17.70	0.08	1.1	0.091	2.88	22.0	24.6	0.74	1120	2.14	0.38	8.9	2.8	730
R499003		3.18	17.40	0.09	1.2	0.072	2.45	21.8	13.5	0.82	942	0.64	2.12	9.0	2.9	700
R499004		4.25	14.30	0.09	1.4	0.368	2.93	30.2	9.2	0.85	2240	0.87	0.04	6.4	2.2	440
R499005		4.02	15.60	0.08	1.2	0.557	3.02	22.6	11.6	0.98	1620	1.44	0.53	7.5	2.5	590
R499006		3.08	17.30	0.10	1.5	0.061	2.90	21.8	12.8	0.79	1140	1.42	1.87	8.9	3.0	680
R499007		4.35	16.05	0.09	1.2	0.287	3.42	26.1	9.5	0.98	2370	0.93	0.32	7.8	2.6	630
R499008		5.12	15.35	0.09	1.1	0.298	3.02	29.1	25.9	0.79	1940	13.50	0.15	6.2	14.2	530
R499009		3.48	16.90	0.08	1.3	0.139	3.10	20.8	12.9	0.84	1540	1.28	1.17	8.3	3.2	660
R499010		3.19	16.55	0.08	1.2	0.078	2.96	20.2	12.0	0.81	1280	1.29	1.39	8.1	2.7	690
R499011		6.80	15.05	0.09	1.1	0.556	3.29	28.0	8.0	0.52	1700	1.32	0.04	6.9	2.8	540
R499012		3.98	15.40	0.08	1.2	0.593	2.60	22.8	13.8	1.10	2230	1.77	0.83	7.5	2.6	620
R499013		3.21	18.20	0.08	1.8	0.814	2.45	18.6	124.5	0.96	846	2.24	0.26	10.5	7.2	870
R499014		5.27	16.50	0.07	1.6	0.344	2.23	22.1	80.4	1.10	762	3.36	0.17	6.1	6.2	590
R499015		2.64	19.90	0.08	3.5	0.040	1.13	22.3	380	1.20	678	1.51	0.49	8.4	8.9	890
R499016		2.66	19.85	0.08	3.5	0.040	1.15	22.9	379	1.22	676	1.45	0.49	8.4	8.9	910
R499017		4.55	17.30	0.09	1.7	0.697	3.25	20.1	19.8	1.34	1670	4.20	0.05	9.4	9.2	890
R499018		10.25	14.30	0.10	2.1	2.16	1.46	18.5	72.2	0.70	940	72.0	0.11	7.9	7.9	530
R499019		0.51	0.22	<0.05	<0.1	0.008	0.03	0.6	1.3	13.35	232	0.17	0.01	0.2	1.7	170
R499020		1.05	15.95	0.09	2.5	0.018	0.72	18.7	235	0.46	310	3.08	0.35	13.8	1.9	310
R499021		4.17	16.45	0.09	1.3	0.555	3.15	23.6	26.2	0.88	958	7.25	0.05	8.5	5.3	750
R499022		5.14	17.30	0.08	1.3	2.09	2.89	24.1	9.8	0.47	384	8.03	0.05	6.1	4.4	470
R499023		2.74	18.75	0.09	3.2	0.040	2.88	23.3	35.3	1.22	622	0.79	0.09	8.3	8.9	860
R499024		2.94	18.65	0.09	3.2	0.036	2.30	20.1	41.5	1.06	583	0.66	0.76	8.3	8.8	870

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

2103 Dollarton Hwy
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Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 8-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15092110

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
R498989		1020	188.0	<0.002	4.99	99.9	7.9	1	15.6	44.6	0.39	0.34	10.4	0.164	1.80	6.3
R498990		65.3	98.1	<0.002	0.59	13.25	12.5	1	2.6	112.0	0.70	0.13	13.3	0.294	1.75	4.6
R498991		99.2	139.0	<0.002	2.41	47.0	10.6	1	6.4	103.0	0.56	0.17	13.8	0.237	1.75	4.5
R498992		20.1	105.0	<0.002	1.01	2.10	11.4	1	3.1	361	0.61	0.22	11.7	0.261	1.39	4.1
R498993		65.5	166.5	<0.002	0.68	53.2	11.0	1	4.6	63.8	0.60	0.13	15.5	0.239	2.09	4.8
R498994		133.0	108.0	<0.002	0.08	2.37	10.6	1	1.7	369	0.67	<0.05	11.9	0.270	1.33	3.8
R498995		1320	173.0	<0.002	4.75	65.6	9.4	2	8.0	98.1	0.54	1.20	11.8	0.214	2.60	5.4
R498996		793	157.5	<0.002	2.24	12.50	10.3	1	2.6	82.8	0.61	0.36	13.1	0.253	2.27	5.1
R498997		48.1	117.0	0.002	0.13	3.68	11.2	1	1.9	323	0.68	<0.05	12.8	0.276	1.45	3.5
R498998		524	182.5	0.003	6.77	18.75	9.3	2	4.0	41.8	0.56	1.51	11.8	0.219	2.55	4.1
R498999		2.1	1.3	<0.002	<0.01	0.08	0.2	1	<0.2	50.8	<0.05	<0.05	<0.2	<0.005	<0.02	0.6
R499000		21.0	99.9	<0.002	0.04	1.47	10.5	1	1.7	376	0.78	<0.05	12.7	0.270	1.09	4.4
R499001		332	138.5	<0.002	1.63	4.98	10.0	1	2.0	223	0.59	0.40	12.5	0.252	2.16	4.1
R499002		81.8	104.5	0.002	0.28	7.52	13.0	1	1.9	133.5	0.65	<0.05	11.3	0.307	1.54	5.1
R499003		48.9	94.3	<0.002	0.15	3.04	13.0	1	1.9	386	0.69	<0.05	12.6	0.297	1.21	4.5
R499004		2070	201	0.002	2.33	7.93	7.1	1	2.8	56.8	0.65	0.28	16.8	0.170	2.76	6.6
R499005		1890	149.5	<0.002	2.48	17.70	10.0	1	3.4	139.5	0.59	0.11	10.8	0.244	2.49	4.4
R499006		43.4	102.5	<0.002	0.10	3.33	10.8	1	1.8	349	0.68	<0.05	12.0	0.285	1.37	3.7
R499007		523	190.0	<0.002	1.19	8.21	11.2	1	2.3	126.5	0.59	0.09	11.2	0.264	2.77	3.7
R499008		494	172.0	0.003	2.77	29.9	9.3	1	5.9	112.0	0.51	0.30	12.0	0.212	2.44	5.2
R499009		141.0	131.5	<0.002	0.39	4.98	11.2	1	1.8	252	0.59	<0.05	9.9	0.278	1.96	3.6
R499010		84.2	118.0	<0.002	0.26	4.83	10.6	1	1.6	287	0.55	<0.05	9.3	0.274	1.72	3.1
R499011		306	207	<0.002	5.02	25.2	9.8	1	4.8	21.2	0.60	0.22	12.0	0.240	2.74	5.8
R499012		223	111.0	<0.002	1.29	9.05	10.9	1	2.4	211	0.60	0.07	11.4	0.257	1.70	5.3
R499013		57.3	98.0	<0.002	0.88	37.3	9.8	1	1.8	188.5	0.76	0.34	9.6	0.261	2.16	3.7
R499014		779	133.5	<0.002	4.13	18.80	9.3	2	11.9	152.5	0.48	0.41	9.5	0.226	1.72	4.1
R499015		23.6	30.0	<0.002	0.19	4.85	9.5	1	1.4	266	0.60	<0.05	7.5	0.351	1.28	3.6
R499016		24.8	31.2	<0.002	0.20	4.89	9.4	1	1.5	271	0.58	<0.05	7.6	0.356	1.22	3.4
R499017		1380	167.5	<0.002	3.10	34.3	10.4	1	11.6	176.5	0.68	0.57	9.1	0.252	2.46	7.5
R499018		5530	79.5	0.005	>10.0	283	6.4	2	17.7	227	0.60	1.60	7.4	0.200	1.50	7.6
R499019		7.3	1.4	<0.002	<0.01	0.27	0.2	1	<0.2	51.8	<0.05	<0.05	<0.2	<0.005	<0.02	0.6
R499020		32.1	29.1	<0.002	0.40	7.57	2.1	1	2.1	306	1.44	<0.05	8.4	0.120	0.68	4.8
R499021		1450	168.5	<0.002	3.33	23.7	10.5	1	8.5	117.5	0.62	0.62	10.9	0.242	2.58	8.8
R499022		>10000	146.5	<0.002	5.76	118.0	8.3	2	24.9	66.5	0.52	0.55	10.2	0.211	2.09	4.4
R499023		35.8	83.6	<0.002	0.21	11.25	9.0	1	1.4	245	0.53	<0.05	7.9	0.329	1.67	5.6
R499024		39.5	66.0	<0.002	0.07	8.03	8.5	1	1.4	692	0.54	<0.05	7.0	0.325	1.16	4.8

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 8-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15092110

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Ag-OG62	Pb-OG62	Zn-OG62	As-OG62
	Analyte	V	W	Y	Zn	Zr	Ag	Pb	Zn	As
	Units	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%
	LOR	1	0.1	0.1	2	0.5	1	0.001	0.001	0.001
R498989		58	6.7	10.5	1320	23.3				
R498990		85	11.7	15.2	138	31.1				
R498991		72	6.8	11.9	96	28.6				
R498992		79	1.4	15.0	32	31.1				
R498993		75	2.1	16.9	3750	27.5				
R498994		77	1.5	16.0	219	33.3				
R498995		64	6.1	11.8	2400	32.0				
R498996		73	2.4	12.6	1860	28.6				
R498997		80	1.8	16.4	138	33.5				
R498998		64	2.7	11.2	2520	29.2				
R498999		2	0.1	0.7	22	<0.5				
R499000		76	1.1	17.1	69	39.5				
R499001		73	1.7	13.3	607	30.4				
R499002		86	3.9	15.9	179	30.7				
R499003		83	1.4	16.6	102	32.3				
R499004		47	2.4	11.2	4810	36.4				
R499005		70	2.4	12.2	3410	34.0				
R499006		80	0.9	15.9	110	42.0				
R499007		73	3.4	14.3	579	33.7				
R499008		67	5.5	12.1	886	33.6				
R499009		80	1.9	15.1	288	36.8				
R499010		77	1.9	14.4	140	36.8				
R499011		68	4.8	9.2	350	29.7				
R499012		75	2.1	15.4	1700	34.2				
R499013		80	2.1	11.7	202	64.0				
R499014		71	4.1	10.9	2110	55.9				
R499015		92	1.2	13.4	131	128.5				
R499016		93	1.2	13.4	135	129.0				
R499017		82	5.7	11.7	3220	60.3				
R499018		53	3.5	11.0	8140	72.9				
R499019		2	0.1	0.8	30	0.5				
R499020		15	1.8	13.0	77	60.3				
R499021		77	4.4	11.9	2160	41.8				
R499022		63	4.5	9.0	>10000	36.2	110	1.040	2.25	1.010
R499023		88	1.4	14.9	107	119.5				
R499024		86	1.0	12.9	92	121.0				

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: KLAZA

Finalized Date: 8-JUL-2015
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH15092110

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Ag-OG62	As-OG62	Au-AA24	ME-MS61
ME-OG62	Pb-OG62	Zn-OG62	

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 5-JUL-2015
Account: ROCKHA

CERTIFICATE WH15092112

Project: KLAZA

P.O. No.: BATCH 18

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 24-JUN-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21d	Sample logging - ClientBarCode Dup
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
SPL-21d	Split sample - duplicate
BAG-06	Double Bagging Coarse Rejects
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31d	Pulverize Split - duplicate

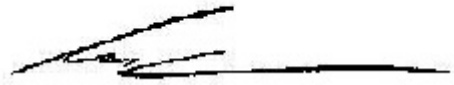
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	
Ag-OG62	Ore Grade Ag - Four Acid	VARIABLE
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.

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VANCOUVER BC V6B 1L8

Finalized Date: 5-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15092112

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
R498453		7.29	0.006	0.26	6.48	22.8	2030	1.46	0.13	2.43	0.23	36.3	5.9	12	17.55	7.6
R498454		3.89	0.025	1.56	6.76	129.0	1850	1.56	0.56	2.45	4.33	41.0	6.7	9	21.4	17.5
R498455		2.31	5.51	>100	4.63	706	920	1.06	18.30	0.17	3.51	27.6	7.4	9	16.85	1050
R498456		7.85	0.011	0.59	6.27	114.5	1790	1.15	1.11	2.39	0.58	34.8	9.7	9	17.25	36.4
R498457		9.81	0.009	3.26	7.64	26.1	1960	1.24	1.35	0.54	0.87	46.6	6.6	9	15.60	94.3
R498458		5.11	0.034	0.95	7.18	50.3	2180	1.37	2.96	1.23	0.73	37.8	6.3	9	19.30	66.8
R498459		0.34	0.883	11.55	6.44	1570	890	1.38	11.65	1.79	31.4	45.9	18.2	19	14.10	277
R498460		2.45	0.112	10.45	6.11	635	1550	1.42	2.28	2.00	3.94	42.7	8.1	8	17.40	784
R498461		4.99	<0.005	0.12	7.20	9.2	2380	1.60	1.61	1.99	0.19	47.5	6.5	10	12.90	9.2
R498462		2.38	0.124	3.14	6.85	178.5	1170	1.44	1.01	1.95	0.71	41.6	8.3	9	13.50	832
R498463		1.39	0.575	23.8	6.04	415	750	1.28	1.99	1.91	11.60	43.8	7.8	6	17.00	896
R498464		2.79	0.005	0.72	6.87	43.5	2280	1.44	0.47	2.48	0.36	43.3	6.3	15	12.15	65.8
R498465		<0.02	0.005	0.63	6.87	37.5	2280	1.47	0.45	2.49	0.37	44.1	6.0	9	12.15	63.8
R498466		4.68	<0.005	0.12	6.81	10.2	2260	1.22	0.28	2.00	0.31	43.5	5.8	8	19.50	7.6
R498467		1.80	0.014	1.27	6.05	463	2770	1.47	0.29	3.36	5.70	43.5	10.4	7	16.25	16.1
R498468		1.79	<0.005	0.18	6.76	16.8	1860	1.23	0.38	1.91	0.30	39.0	6.3	8	17.10	15.5
R498469		3.76	0.023	1.17	6.16	47.7	2830	1.66	0.51	3.45	3.26	45.5	8.1	7	19.00	14.4
R498470		6.18	0.023	0.98	6.23	107.5	1930	1.45	0.50	4.50	1.52	45.6	6.8	7	21.0	12.8
R498471		4.57	<0.005	0.02	0.07	<0.2	40	0.05	0.03	20.2	0.07	1.14	0.7	<1	0.19	1.8
R498472		5.73	<0.005	0.69	6.70	55.4	2010	1.32	0.81	2.42	2.88	39.3	6.7	9	19.50	10.7
R498473		0.34	0.368	4.50	6.65	699	620	1.15	3.04	1.99	10.20	48.2	12.5	26	13.90	304
R498474		4.97	<0.005	0.25	6.85	12.0	2360	1.40	0.76	2.54	0.16	39.0	6.8	11	18.70	9.8
R498475		4.74	<0.005	0.84	6.43	45.8	1690	1.30	1.12	2.73	0.49	43.2	7.8	8	17.20	20.5
R498476		7.59	<0.005	1.43	6.98	26.1	2430	1.19	0.52	1.56	1.49	47.2	6.7	8	15.15	18.1
R498477		4.46	<0.005	0.13	6.98	8.7	2230	1.49	0.17	2.43	0.11	43.6	7.0	11	10.70	13.3
R498478		1.13	0.409	4.84	6.32	1500	840	1.34	0.18	1.51	6.13	50.7	5.8	8	13.00	28.1
R498479		4.57	<0.005	0.04	0.06	1.8	30	0.09	0.02	20.5	0.07	1.30	0.6	1	0.14	2.7
R498480		4.21	<0.005	0.21	7.14	14.7	2090	1.39	0.19	1.90	0.18	48.7	7.3	11	11.30	12.7
R498481		2.00	0.116	2.23	6.62	492	1110	1.34	0.28	2.10	2.90	46.6	9.5	9	16.70	61.8
R498482		4.64	<0.005	0.11	7.34	14.7	1960	1.08	0.14	1.17	0.11	51.6	6.9	10	17.25	10.1
R498483		1.97	<0.005	0.13	7.37	16.2	1950	1.28	0.17	1.41	0.12	48.7	7.5	10	15.55	12.3
R498484		4.49	0.291	2.54	6.69	121.5	2900	1.37	1.50	2.20	1.61	47.1	11.1	9	18.55	182.5
R498485		2.91	<0.005	0.09	7.75	6.9	1680	1.16	0.21	0.77	0.09	46.3	7.0	10	11.20	13.4
R498486		2.25	<0.005	0.24	6.32	15.3	1670	1.28	0.27	2.12	0.82	42.1	5.2	7	18.15	10.6
R498487		2.17	0.282	13.10	6.12	957	780	1.58	5.79	2.11	20.5	42.1	10.1	9	16.75	198.5
R498488		3.82	<0.005	0.41	7.12	67.5	1390	1.27	0.24	1.34	0.79	45.7	6.0	9	13.45	13.9

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 5-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15092112

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
R498453		2.73	15.30	0.08	1.2	0.044	3.06	17.9	20.5	0.63	890	1.12	1.42	8.3	2.4	570
R498454		2.94	15.85	0.09	1.3	0.086	3.06	19.6	61.1	0.58	1220	4.05	1.43	8.8	2.4	580
R498455		5.26	10.50	0.08	0.7	0.560	2.29	16.3	40.9	0.13	1060	2.08	0.15	4.5	2.1	330
R498456		2.58	15.70	0.08	1.3	0.053	2.95	16.4	33.6	0.34	1620	0.66	0.09	9.0	2.7	600
R498457		2.82	16.75	0.08	1.1	0.057	2.96	23.9	40.9	0.27	1040	1.14	0.09	8.9	2.5	620
R498458		2.96	16.00	0.09	1.0	0.066	3.25	18.8	81.3	0.41	1280	1.02	0.10	8.6	2.2	610
R498459		6.41	15.05	0.09	1.0	0.789	2.86	24.4	18.5	0.75	1800	8.67	0.13	6.3	11.9	540
R498460		3.32	13.80	0.08	0.9	0.189	3.21	22.8	33.5	0.63	5280	1.07	0.16	6.8	3.0	490
R498461		2.66	15.65	0.10	1.1	0.035	2.77	24.5	11.8	0.53	599	1.00	2.14	8.0	2.4	600
R498462		3.15	15.90	0.08	1.2	0.101	3.58	20.6	29.9	0.64	3710	1.00	0.11	8.1	2.3	570
R498463		4.14	14.00	0.08	0.9	0.585	3.14	24.5	17.7	0.60	9910	1.51	0.11	6.3	2.4	470
R498464		2.99	15.80	0.08	1.1	0.056	3.13	21.1	10.4	0.65	1520	0.57	1.67	8.3	2.5	580
R498465		2.91	15.85	0.09	1.0	0.052	3.12	21.3	10.2	0.65	1500	0.54	1.69	8.1	2.3	570
R498466		2.74	15.50	0.09	1.2	0.036	2.65	21.7	42.8	0.66	968	0.80	0.32	8.3	2.4	610
R498467		2.65	13.75	0.09	1.2	0.041	2.81	23.0	32.8	0.98	3350	1.43	0.05	7.3	3.3	520
R498468		2.48	15.45	0.09	1.3	0.036	2.85	18.9	46.1	0.62	1420	0.83	0.07	8.5	2.3	600
R498469		2.75	13.25	0.10	1.1	0.043	2.82	25.2	30.2	1.12	2450	2.14	0.05	6.5	2.6	490
R498470		2.86	13.35	0.09	1.2	0.037	3.38	24.5	15.3	1.46	3060	2.05	0.10	7.0	2.6	530
R498471		0.48	0.20	0.06	<0.1	0.005	0.02	0.6	1.0	12.65	218	0.07	<0.01	0.2	1.6	160
R498472		2.73	15.40	0.10	1.2	0.057	3.18	18.9	12.9	0.66	1240	0.96	1.52	8.1	2.5	570
R498473		4.95	15.20	0.09	1.0	0.294	2.93	27.2	20.8	0.77	1890	15.30	0.15	6.2	14.3	510
R498474		2.87	16.15	0.09	1.3	0.044	2.89	19.8	8.9	0.64	783	1.10	2.04	8.4	2.7	590
R498475		2.63	14.80	0.09	1.3	0.039	2.98	21.7	22.1	0.85	1290	8.85	0.48	8.0	2.9	570
R498476		2.75	15.35	0.09	1.4	0.042	2.82	23.7	26.7	0.54	1460	0.83	0.14	8.6	2.4	610
R498477		2.80	16.05	0.10	1.1	0.040	2.76	21.5	12.0	0.81	947	7.90	2.01	8.4	2.7	600
R498478		4.79	14.75	0.09	0.9	0.203	3.23	28.4	13.2	0.50	10250	14.05	0.05	6.5	2.6	480
R498479		0.46	0.20	0.06	<0.1	0.006	0.02	0.7	1.0	12.85	215	0.08	0.01	0.3	1.6	190
R498480		2.94	16.55	0.10	1.2	0.034	3.10	24.0	16.6	0.77	1040	13.85	1.54	8.8	2.7	630
R498481		3.51	14.70	0.08	1.1	0.087	3.49	24.2	15.2	0.68	7240	1.04	0.21	7.5	2.5	530
R498482		2.74	16.75	0.10	1.3	0.033	3.12	26.8	24.8	0.58	913	1.35	0.46	9.1	2.6	620
R498483		2.89	16.80	0.09	1.3	0.046	3.15	24.7	22.8	0.64	1000	0.89	0.69	9.3	2.7	630
R498484		3.67	15.00	0.09	1.1	0.114	3.33	25.8	31.1	0.89	2470	1.27	0.05	7.4	2.6	520
R498485		2.65	16.00	0.09	1.3	0.035	2.78	24.1	39.3	0.59	721	0.88	0.10	9.2	2.9	620
R498486		2.49	13.95	0.10	1.2	0.037	2.83	21.8	58.4	0.71	1450	0.94	0.11	7.2	2.2	520
R498487		3.93	14.05	0.09	0.9	0.431	2.45	23.6	38.6	0.76	2670	27.0	0.03	6.2	4.2	470
R498488		2.73	15.75	0.09	1.3	0.049	2.89	23.0	27.4	0.53	2060	0.76	0.14	8.7	2.6	590

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 5-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15092112

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
R498453		30.9	109.0	<0.002	0.10	4.47	8.8	1	1.5	315	0.65	<0.05	11.3	0.234	1.70	3.8
R498454		325	121.0	<0.002	0.33	6.70	9.8	1	1.7	320	0.70	<0.05	13.0	0.245	1.78	4.6
R498455		5160	120.0	<0.002	0.55	1100	6.0	1	4.1	72.0	0.35	0.39	8.6	0.154	1.87	6.8
R498456		41.9	107.0	<0.002	0.39	38.2	9.2	1	3.1	121.5	0.70	0.13	11.1	0.255	1.83	9.1
R498457		48.6	130.0	<0.002	0.05	55.3	10.7	1	1.9	72.1	0.71	<0.05	14.5	0.258	1.50	2.8
R498458		51.7	134.0	<0.002	0.11	32.7	9.6	1	2.1	103.5	0.64	<0.05	12.1	0.248	1.85	2.6
R498459		1300	166.5	0.002	4.52	64.3	8.8	2	7.5	97.2	0.51	1.26	12.1	0.203	2.54	5.3
R498460		528	157.0	<0.002	1.39	190.0	8.5	1	1.8	82.4	0.55	<0.05	12.0	0.208	2.39	9.5
R498461		19.4	108.5	<0.002	0.03	9.78	9.7	1	1.7	297	0.64	<0.05	13.5	0.249	1.22	2.9
R498462		37.9	134.0	<0.002	0.86	53.1	8.9	1	1.5	91.8	0.64	0.05	12.5	0.237	2.54	4.6
R498463		3430	178.0	<0.002	2.40	197.0	8.0	1	3.1	78.6	0.49	<0.05	11.7	0.198	2.59	2.9
R498464		48.4	121.5	<0.002	0.14	10.25	9.3	1	1.7	274	0.62	<0.05	11.8	0.246	1.55	3.6
R498465		55.8	120.0	<0.002	0.14	9.77	9.4	1	1.7	277	0.61	<0.05	12.1	0.241	1.51	4.0
R498466		18.4	99.0	<0.002	0.06	17.05	9.9	1	1.6	158.0	0.63	<0.05	13.1	0.242	1.41	4.1
R498467		375	118.0	<0.002	0.60	23.3	8.8	1	1.4	146.5	0.61	<0.05	12.0	0.216	2.12	4.7
R498468		14.3	99.9	<0.002	0.13	14.20	9.5	1	1.8	128.5	0.65	<0.05	11.6	0.243	1.70	2.1
R498469		190.5	146.5	<0.002	0.54	17.60	8.2	1	1.6	195.5	0.53	<0.05	12.1	0.205	2.10	4.8
R498470		61.2	153.5	<0.002	0.68	14.90	8.4	1	1.8	180.0	0.57	<0.05	12.8	0.213	2.65	5.6
R498471		1.8	1.4	<0.002	<0.01	0.10	0.2	1	<0.2	51.9	<0.05	<0.05	<0.2	<0.005	0.02	0.7
R498472		71.5	127.0	<0.002	0.14	6.69	8.6	1	2.0	269	0.62	<0.05	11.6	0.238	1.75	3.1
R498473		488	163.5	0.003	2.64	29.5	8.6	1	5.5	111.5	0.48	0.32	12.3	0.203	2.43	5.4
R498474		21.0	113.0	<0.002	0.04	3.68	9.3	1	1.7	367	0.63	<0.05	11.6	0.247	1.40	2.4
R498475		43.5	119.0	<0.002	0.22	12.55	9.3	1	1.6	180.5	0.59	<0.05	12.5	0.235	2.05	4.7
R498476		403	112.5	<0.002	0.13	26.5	9.8	1	1.6	116.0	0.66	<0.05	14.3	0.246	1.44	3.9
R498477		20.1	115.0	0.002	0.07	3.28	9.8	1	1.6	348	0.61	<0.05	11.7	0.254	1.36	4.0
R498478		909	181.0	0.003	3.25	53.6	8.5	1	2.2	61.8	0.51	<0.05	12.5	0.207	2.76	4.4
R498479		2.8	1.2	<0.002	<0.01	0.16	0.2	1	<0.2	48.0	<0.05	<0.05	<0.2	<0.005	0.02	1.1
R498480		31.0	130.5	0.003	0.12	6.81	9.3	1	1.7	285	0.67	<0.05	13.8	0.259	1.61	3.0
R498481		257	179.0	<0.002	0.69	45.9	8.9	1	2.1	111.0	0.61	0.06	13.4	0.219	2.70	5.3
R498482		17.7	135.0	<0.002	0.08	15.95	10.4	1	1.8	151.5	0.72	<0.05	14.8	0.259	1.61	5.3
R498483		18.1	136.5	<0.002	0.07	13.50	10.5	1	2.1	178.0	0.73	<0.05	14.6	0.263	1.71	4.6
R498484		82.5	187.0	<0.002	0.51	80.3	9.4	1	1.6	109.0	0.60	<0.05	13.5	0.219	2.68	4.9
R498485		18.7	118.5	<0.002	0.04	15.95	10.9	1	1.8	84.4	0.71	<0.05	14.6	0.254	1.35	2.7
R498486		30.2	113.0	<0.002	0.11	24.1	9.2	<1	1.3	116.0	0.61	<0.05	11.7	0.216	1.77	4.4
R498487		1540	132.5	0.003	2.41	86.5	8.7	1	3.3	106.0	0.49	0.64	10.8	0.202	2.01	5.8
R498488		61.4	116.5	<0.002	0.25	19.15	10.3	1	1.6	92.9	0.70	<0.05	12.7	0.246	1.73	4.4

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 5-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15092112

Sample Description	Method / Analyte / Units / LOR	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Ag-OG62 Ag ppm 1
R498453		65	1.9	14.0	53	32.7	
R498454		69	2.3	15.3	414	34.0	
R498455		51	10.6	6.5	461	18.7	907
R498456		69	5.4	13.2	96	36.2	
R498457		72	7.6	14.8	134	30.1	
R498458		70	4.1	14.1	122	27.4	
R498459		62	5.7	13.2	2380	30.4	
R498460		60	6.1	14.0	353	25.0	
R498461		70	2.4	16.1	60	30.1	
R498462		66	6.0	14.2	135	33.3	
R498463		55	7.5	14.5	1610	27.3	
R498464		70	2.7	14.9	89	30.7	
R498465		69	2.6	15.2	90	27.8	
R498466		70	2.4	14.9	84	33.3	
R498467		63	4.1	17.2	648	33.7	
R498468		69	3.5	13.9	69	36.1	
R498469		58	3.0	15.0	307	31.4	
R498470		59	3.1	16.1	191	33.3	
R498471		3	0.1	0.8	19	0.5	
R498472		67	2.6	14.1	368	34.9	
R498473		66	5.4	12.4	855	31.5	
R498474		70	2.6	15.0	62	37.5	
R498475		65	4.0	15.7	93	37.6	
R498476		68	4.7	17.1	211	39.9	
R498477		73	4.0	15.9	50	31.0	
R498478		58	16.5	12.9	808	27.0	
R498479		2	0.1	0.8	16	<0.5	
R498480		74	3.4	15.9	58	34.7	
R498481		63	9.3	16.3	615	33.6	
R498482		74	4.6	17.8	54	39.3	
R498483		74	4.7	17.4	51	39.1	
R498484		64	6.3	14.9	188	32.5	
R498485		72	7.8	15.9	45	37.7	
R498486		63	2.5	15.3	114	34.1	
R498487		68	11.6	13.3	1620	28.2	
R498488		70	5.5	15.2	213	35.5	

***** See Appendix Page for comments regarding this certificate *****

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: KLAZA

Finalized Date: 5-JUL-2015
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH15092112

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

Applies to Method:				
	BAG-06	CRU-31	CRU-QC	LOG-21
	LOG-21d	LOG-23	PUL-31	PUL-31d
	PUL-QC	SPL-21	SPL-21d	WEI-21

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:				
	Ag-OG62	Au-AA24	ME-MS61	ME-OG62

ALS Canada Ltd.

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 4-JUL-2015
Account: ROCKHA

CERTIFICATE WH15092114

Project: KLAZA

P.O. No.: BATCH 19

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 24-JUN-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21d	Sample logging - ClientBarCode Dup
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
SPL-21d	Split sample - duplicate
BAG-06	Double Bagging Coarse Rejects
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31d	Pulverize Split - duplicate

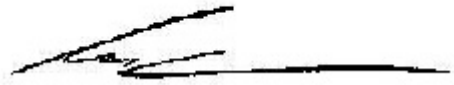
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 4-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15092114

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
R499025		3.91	0.034	0.62	6.55	36.7	810	2.00	0.21	2.54	1.27	44.7	5.3	29	21.6	14.2
R499026		2.87	0.154	1.66	6.66	75.6	720	1.84	1.12	2.10	4.33	43.9	6.4	31	33.5	146.5
R499027		5.02	0.626	7.36	7.45	234	1110	1.72	2.06	2.01	9.53	44.7	10.7	10	17.55	90.9
R499028		4.57	<0.005	0.01	0.10	0.6	40	0.06	0.04	20.4	0.12	1.17	1.2	1	0.55	2.0
R499029		5.67	0.005	0.29	6.70	20.3	2210	1.61	0.47	2.82	0.16	37.2	7.9	10	16.40	17.7
R499030		11.19	0.029	0.49	6.87	39.1	2390	1.60	2.15	2.31	0.34	40.1	8.7	11	14.20	53.3
R499031		5.43	0.051	1.43	7.04	141.0	780	1.45	1.63	1.67	5.78	52.4	8.5	8	13.90	96.6
R499032		<0.02	0.057	1.46	7.24	139.5	840	1.47	1.79	1.72	5.72	52.4	7.9	9	14.35	100.5
R499033		3.23	0.221	9.66	7.49	322	870	1.60	2.95	1.37	9.17	57.8	10.9	9	17.30	423
R499034		7.61	<0.005	0.15	6.88	33.5	1710	1.89	0.22	3.31	0.62	47.7	4.3	5	24.8	5.6
R499035		6.73	0.084	4.42	7.48	143.5	1110	1.62	4.98	1.58	21.0	45.8	9.3	9	20.9	160.5
R499036		6.25	0.031	3.70	7.79	111.5	1260	1.75	7.90	1.93	9.20	56.2	9.9	9	25.3	106.0
R499037		8.15	0.024	0.80	7.08	79.4	1920	1.57	1.69	2.31	2.12	47.3	8.4	9	16.35	42.6
R499038		4.26	0.012	0.24	6.99	23.5	2590	1.61	3.25	2.34	0.19	40.2	5.5	9	15.25	34.7
R499039		0.34	0.353	4.41	6.82	715	830	1.47	3.38	2.06	11.25	50.7	13.1	25	14.10	320
R499040		3.27	0.172	3.42	6.98	90.8	950	1.38	13.75	1.80	4.30	53.6	10.9	10	10.10	89.8
R499041		5.65	0.015	0.21	7.71	28.6	2440	1.44	1.73	1.94	0.21	35.9	18.4	9	15.65	36.8
R499042		3.96	0.007	0.29	6.86	51.3	2280	1.08	1.13	1.41	0.32	35.7	17.2	11	11.80	58.7
R499043		4.58	<0.005	0.01	0.07	<0.2	30	0.06	0.04	20.5	0.11	1.13	1.1	<1	0.26	2.9
R499044		8.09	0.018	0.23	7.69	57.1	3100	1.53	2.06	2.31	0.13	31.0	16.1	8	17.50	92.4
R499045		9.53	0.010	0.08	7.17	19.3	2700	1.53	1.48	2.47	0.10	40.9	9.3	11	13.50	28.6
R499046		4.62	0.014	0.10	6.82	23.6	2480	1.54	1.55	2.35	0.12	40.7	13.7	9	13.60	29.3
R499047		6.84	0.017	0.26	7.15	23.5	2170	1.58	0.79	2.38	0.21	45.5	6.7	9	17.75	58.6
R499048		4.18	0.152	4.06	6.93	98.5	740	1.50	5.25	2.57	10.45	51.9	11.3	8	21.0	43.0
R499049		10.15	0.046	1.70	6.89	97.4	890	1.50	4.23	2.49	0.79	53.3	12.4	10	13.40	182.5
R499050		3.84	0.074	0.51	7.36	74.6	570	1.35	4.11	2.57	0.14	45.3	10.8	9	16.40	112.0
R499051		7.23	0.058	0.38	7.69	75.0	2630	1.48	2.28	2.02	0.15	54.2	8.4	11	14.00	230
R499052		8.03	0.114	0.65	7.00	54.2	440	1.56	3.55	2.46	0.67	46.8	13.7	9	17.30	107.0
R499053		4.63	0.036	0.27	7.11	35.7	2120	1.36	2.64	2.58	0.14	41.9	11.0	9	16.20	129.0
R499054		6.98	0.010	0.09	6.94	14.0	2460	1.46	0.75	2.44	0.09	37.7	4.8	10	14.05	32.5
R499055		0.34	1.730	38.8	5.68	2520	410	1.17	33.4	1.63	45.4	35.1	17.4	22	10.25	1175
R499056		3.82	1.295	4.52	7.03	254	950	1.38	2.28	2.38	17.05	49.3	13.2	9	17.10	97.9
R499057		2.58	0.118	1.00	6.69	77.1	2960	1.31	5.03	3.15	0.57	44.2	10.0	8	19.20	123.5
R499058		9.88	0.094	0.25	7.23	27.6	2790	1.50	2.48	2.20	0.21	46.3	7.5	11	12.25	58.1
R499059		6.30	0.049	1.09	6.96	46.6	2080	1.39	3.79	2.38	2.67	47.4	6.1	10	19.00	56.5
R499060		4.44	0.018	0.36	7.16	19.2	2320	1.42	0.89	2.40	0.29	44.7	5.9	14	13.15	43.5

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 4-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15092114

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
R499025		2.00	19.75	0.24	3.8	0.044	2.44	21.8	31.3	0.70	429	0.83	0.07	9.1	17.8	700
R499026		2.07	18.85	0.28	4.0	0.052	2.61	21.9	24.2	0.62	570	2.54	0.07	8.7	20.6	640
R499027		4.52	16.80	0.24	1.0	0.299	3.27	23.7	12.0	0.87	1440	2.10	0.11	6.5	5.3	640
R499028		0.48	0.35	0.11	<0.1	<0.005	0.04	0.6	1.2	12.80	217	0.09	0.01	0.2	1.9	210
R499029		2.96	16.20	0.20	0.9	0.086	2.24	17.8	62.0	0.78	666	1.26	1.63	7.6	2.7	630
R499030		3.43	16.45	0.22	0.9	0.172	2.83	19.5	42.9	0.81	831	2.83	1.22	7.5	2.6	650
R499031		3.92	15.00	0.24	0.9	0.481	3.01	28.2	48.6	0.77	1340	1.29	0.34	6.2	2.8	540
R499032		3.95	15.15	0.23	0.9	0.474	3.04	28.8	49.3	0.78	1340	1.31	0.37	6.5	2.6	570
R499033		4.81	18.05	0.29	1.6	0.403	3.23	30.9	30.9	0.65	857	2.90	0.06	7.3	4.1	700
R499034		2.63	18.90	0.17	2.2	0.034	2.39	22.3	34.3	0.74	561	1.99	0.30	9.7	2.1	880
R499035		4.01	17.00	0.22	1.0	0.188	3.25	24.6	13.2	0.73	533	8.69	0.07	6.5	5.1	630
R499036		3.44	17.10	0.23	0.9	0.294	3.11	30.6	14.8	0.93	734	1.25	0.18	7.5	2.8	640
R499037		3.55	16.45	0.22	1.0	0.186	2.70	23.9	54.6	0.81	607	1.01	0.87	7.4	3.0	600
R499038		2.90	16.45	0.22	0.9	0.142	3.07	20.0	27.0	0.65	501	0.72	1.35	7.9	2.3	590
R499039		5.11	16.00	0.24	1.1	0.310	3.01	28.8	27.5	0.79	1960	14.55	0.16	6.1	15.0	540
R499040		6.08	17.50	0.23	0.9	0.295	3.42	27.3	8.9	0.76	706	0.78	0.15	4.9	3.5	540
R499041		1.79	17.00	0.25	1.1	0.133	3.53	17.9	8.5	0.69	377	2.58	0.40	7.7	2.6	660
R499042		1.16	14.15	0.25	1.0	0.075	3.26	19.0	7.9	0.40	216	3.56	0.09	6.4	2.6	500
R499043		0.46	0.24	0.12	<0.1	0.005	0.03	0.5	1.1	12.95	216	0.11	<0.01	0.1	1.5	180
R499044		2.78	15.70	0.30	0.9	0.146	4.07	15.3	11.7	0.71	398	2.35	0.25	7.0	4.1	620
R499045		3.24	15.75	0.25	1.0	0.106	3.02	21.2	16.2	0.70	470	1.10	1.69	7.5	2.5	590
R499046		3.25	15.80	0.23	0.9	0.119	2.82	20.8	14.8	0.69	452	0.97	1.63	7.3	2.4	580
R499047		3.10	16.40	0.26	1.0	0.118	2.95	23.4	31.9	0.75	520	1.47	1.10	7.6	2.5	610
R499048		3.97	16.30	0.25	1.1	0.310	3.05	27.4	12.6	0.98	1400	2.18	0.06	6.4	3.2	550
R499049		3.61	15.55	0.26	1.2	0.356	3.10	27.9	11.3	0.88	763	1.17	0.62	5.8	2.9	600
R499050		3.87	15.85	0.26	1.2	0.467	3.85	22.0	11.3	0.86	549	2.51	1.07	6.7	3.5	680
R499051		3.13	16.95	0.23	1.0	0.312	3.05	28.9	16.2	0.73	404	1.41	1.35	6.7	2.7	660
R499052		4.25	16.60	0.23	0.9	0.196	2.85	24.2	16.6	0.92	474	1.74	0.63	7.2	4.7	600
R499053		3.35	17.60	0.21	0.8	0.230	2.97	20.9	21.4	0.87	527	12.50	0.64	7.8	2.5	660
R499054		3.13	16.25	0.21	0.7	0.097	2.79	18.1	13.3	0.72	534	1.99	1.76	7.2	2.1	620
R499055		9.19	14.10	0.19	0.9	1.560	2.60	17.6	16.5	0.67	2340	17.00	0.06	4.7	14.7	450
R499056		4.01	14.95	0.22	0.8	0.222	3.04	27.3	13.7	0.94	699	1.23	0.26	6.6	2.9	570
R499057		3.05	15.35	0.20	0.8	0.200	3.01	22.9	37.0	0.98	780	1.61	0.59	6.7	2.2	570
R499058		3.10	15.90	0.21	0.9	0.122	2.84	25.1	14.0	0.71	435	4.26	1.81	7.5	2.7	590
R499059		3.20	15.35	0.24	1.1	0.168	3.06	25.0	25.2	0.86	948	3.03	0.42	7.2	2.1	550
R499060		2.98	15.80	0.24	1.0	0.155	3.03	22.8	16.8	0.73	666	1.24	1.76	7.3	2.6	570

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 4-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15092114

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
R499025		99.1	77.4	<0.002	0.08	8.02	6.0	<1	1.7	354	0.73	<0.05	9.0	0.263	1.25	4.0
R499026		126.0	83.4	<0.002	0.74	9.86	5.9	1	17.6	106.5	0.71	0.08	9.7	0.254	1.77	8.9
R499027		390	180.5	<0.002	3.46	16.05	11.4	1	4.3	133.0	0.51	0.35	10.5	0.237	2.80	6.3
R499028		1.9	2.6	<0.002	<0.01	0.09	0.2	<1	<0.2	51.2	<0.05	<0.05	<0.2	0.005	0.03	0.8
R499029		18.5	78.8	<0.002	0.23	4.07	10.8	<1	1.6	540	0.60	0.06	9.4	0.264	1.41	3.3
R499030		28.3	121.0	<0.002	0.44	6.34	11.7	1	2.0	325	0.55	0.73	9.7	0.263	2.08	3.6
R499031		98.4	216	<0.002	2.00	8.61	10.9	1	2.5	146.0	0.49	0.22	15.4	0.219	2.79	4.1
R499032		98.3	216	<0.002	2.03	8.79	11.1	1	2.7	152.5	0.53	0.24	15.9	0.225	2.96	4.2
R499033		285	219	<0.002	3.80	26.0	9.2	1	4.5	110.5	0.53	0.75	12.6	0.256	2.89	28.9
R499034		22.7	73.8	<0.002	0.06	8.09	5.4	<1	1.7	330	0.70	<0.05	7.9	0.316	1.50	5.9
R499035		434	163.0	<0.002	2.27	15.00	11.2	1	12.5	97.7	0.51	0.21	12.5	0.239	2.65	3.6
R499036		395	168.0	<0.002	0.74	15.70	12.0	1	14.1	140.5	0.55	0.27	14.0	0.261	2.85	4.6
R499037		93.6	115.0	<0.002	0.60	7.58	10.3	1	2.6	256	0.62	0.07	13.7	0.247	1.91	4.4
R499038		17.7	126.5	<0.002	0.31	6.98	10.2	1	1.6	314	0.64	0.08	11.3	0.252	1.89	4.1
R499039		490	173.0	0.004	2.71	28.4	9.9	1	5.6	114.5	0.52	0.33	12.3	0.212	2.54	5.6
R499040		224	201	<0.002	5.67	7.32	10.5	3	5.2	98.5	0.43	2.75	11.3	0.189	2.64	4.4
R499041		13.2	172.5	<0.002	0.51	15.10	11.5	1	1.6	145.5	0.68	0.15	12.8	0.249	2.59	4.4
R499042		19.8	154.5	0.005	0.50	74.8	10.6	<1	1.3	75.1	0.60	0.15	11.9	0.213	1.84	5.0
R499043		1.7	1.7	<0.002	<0.01	0.09	0.2	<1	<0.2	52.8	<0.05	<0.05	<0.2	<0.005	0.02	0.6
R499044		9.1	162.5	<0.002	1.22	26.5	11.0	<1	1.7	173.0	0.59	0.58	10.8	0.240	2.68	4.4
R499045		13.2	109.0	<0.002	0.55	4.46	10.4	<1	1.7	343	0.64	0.64	10.8	0.249	1.63	3.8
R499046		12.7	109.0	<0.002	0.82	4.44	10.8	<1	1.7	331	0.59	0.73	10.1	0.235	1.52	3.8
R499047		16.2	115.5	<0.002	0.29	9.09	10.7	1	1.9	267	0.60	0.10	12.6	0.251	1.62	4.3
R499048		480	150.5	<0.002	2.78	7.57	10.7	1	4.1	108.0	0.58	1.62	13.1	0.220	2.27	4.2
R499049		109.0	154.0	0.002	2.14	11.55	9.9	1	2.2	140.5	0.51	1.32	13.9	0.197	2.71	4.6
R499050		14.3	152.5	<0.002	2.29	6.60	10.7	1	2.7	216	0.53	1.95	10.8	0.225	2.62	5.0
R499051		15.8	145.0	<0.002	1.20	6.61	11.5	1	2.5	225	0.48	0.55	13.6	0.247	2.21	4.7
R499052		37.3	112.0	<0.002	2.61	6.81	11.5	1	2.9	195.0	0.55	1.25	9.7	0.238	1.91	5.7
R499053		14.4	102.5	<0.002	1.19	10.00	11.7	1	2.7	200	0.48	0.61	10.4	0.277	1.79	3.3
R499054		12.8	91.8	<0.002	0.35	5.02	10.4	<1	1.9	357	0.47	0.17	8.1	0.261	1.49	2.4
R499055		1670	148.0	0.002	7.85	104.0	8.4	1	10.6	65.2	0.39	0.69	9.0	0.170	2.20	5.7
R499056		720	204	<0.002	2.49	16.05	10.5	1	6.2	113.0	0.44	0.82	12.3	0.233	2.51	4.0
R499057		40.4	108.5	<0.002	1.09	9.30	10.6	1	2.5	265	0.48	0.43	11.4	0.234	1.92	4.2
R499058		18.3	112.0	<0.002	0.71	4.85	10.5	<1	2.2	341	0.63	0.40	12.4	0.248	1.54	4.1
R499059		112.5	145.0	<0.002	1.22	7.17	9.8	1	2.4	177.0	0.57	0.37	15.9	0.224	2.08	4.6
R499060		29.6	115.5	<0.002	0.14	3.66	9.7	1	1.9	338	0.61	0.05	13.6	0.247	1.58	4.3

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Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	V	W	Y	Zn	Zr
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	1	0.1	0.1	2	0.5
R499025		51	1.1	10.4	113	136.5
R499026		50	1.8	10.6	284	150.5
R499027		74	5.2	12.1	680	27.0
R499028		3	0.1	0.8	19	0.8
R499029		74	1.0	13.3	48	20.2
R499030		77	1.2	13.4	67	21.9
R499031		65	3.2	13.0	505	23.0
R499032		69	3.4	13.1	501	23.7
R499033		62	4.9	10.4	625	47.5
R499034		46	1.3	11.5	114	68.5
R499035		72	4.5	11.4	978	26.0
R499036		75	2.8	14.4	760	25.0
R499037		70	1.7	13.5	282	24.1
R499038		72	1.0	13.7	51	23.0
R499039		68	5.8	12.5	919	29.1
R499040		67	4.6	10.8	262	21.5
R499041		75	5.9	11.7	34	25.1
R499042		62	8.6	10.4	27	21.3
R499043		2	0.1	0.7	21	<0.5
R499044		55	3.4	9.6	36	23.0
R499045		70	1.1	13.9	36	22.6
R499046		66	1.0	14.0	35	21.2
R499047		70	1.2	15.0	46	24.2
R499048		63	3.5	12.9	659	26.9
R499049		52	2.0	11.9	78	29.1
R499050		55	1.8	17.0	46	32.4
R499051		73	1.6	15.3	41	27.0
R499052		73	1.6	16.2	54	21.7
R499053		80	1.5	14.5	45	20.0
R499054		72	1.2	12.6	37	17.8
R499055		57	7.7	9.0	3380	22.7
R499056		64	3.9	12.8	1060	19.0
R499057		68	3.2	14.6	78	20.8
R499058		71	1.3	14.4	41	23.2
R499059		65	1.8	13.1	246	29.6
R499060		68	1.2	14.0	54	25.5

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

2103 Dollarton Hwy
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Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: KLAZA

Finalized Date: 4-JUL-2015
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH15092114

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	ME-MS61

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C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 7-JUL-2015
Account: ROCKHA

CERTIFICATE WH15092121

Project: KLAZA

P.O. No.: BATCH 20

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 24-JUN-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21d	Sample logging - ClientBarCode Dup
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
SPL-21d	Split sample - duplicate
BAG-06	Double Bagging Coarse Rejects
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31d	Pulverize Split - duplicate

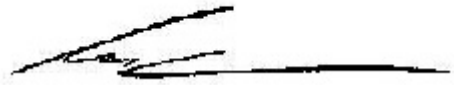
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 7-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15092121

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
R498489		4.54	0.158	4.96	6.79	251	1560	1.45	3.09	2.15	8.05	52.5	8.4	13	16.95	98.6
R498490		3.31	0.051	1.05	6.96	42.6	2070	1.72	0.75	2.60	1.61	52.2	7.6	12	19.45	34.8
R498491		6.03	<0.005	0.14	7.55	9.0	1690	1.25	0.47	1.37	0.17	55.2	5.0	11	13.55	18.9
R498492		2.64	<0.005	0.16	6.57	13.3	1630	1.96	1.36	3.63	0.15	46.7	5.0	10	26.8	26.3
R498493		6.33	<0.005	0.23	7.47	7.0	1820	1.45	1.08	1.93	0.11	51.3	5.5	11	17.00	63.0
R498494		3.05	<0.005	0.19	7.13	9.1	1680	1.35	0.52	1.75	0.10	51.0	5.3	10	15.10	71.3
R498495		2.34	0.019	0.36	6.40	191.0	900	1.66	0.33	2.52	0.24	52.7	7.0	10	16.70	55.0
R498496		7.57	<0.005	0.20	7.16	42.1	1990	1.52	0.41	1.98	0.13	49.9	5.8	8	15.60	35.1
R498497		0.34	0.892	11.90	6.48	1560	210	1.36	13.40	1.87	32.3	44.5	17.6	20	13.55	284
R498498		2.44	0.068	2.38	4.65	213	300	1.18	1.12	4.80	7.49	30.9	4.9	7	9.01	42.5
R498499		2.32	<0.005	0.27	6.95	20.8	1560	1.64	0.58	2.08	0.26	46.5	6.4	9	14.55	23.6
R498500		3.31	0.041	1.32	6.63	274	2250	1.60	0.69	2.99	1.01	52.3	6.3	8	13.60	23.1
R498501		4.96	<0.005	0.23	6.96	22.3	2190	1.51	0.79	2.26	0.10	54.4	8.5	10	10.25	61.8
R498502		4.84	<0.005	0.24	7.48	18.1	2290	1.55	0.70	2.48	0.11	52.2	10.8	13	9.19	91.3
R498503		4.42	<0.005	0.07	7.44	6.5	2200	1.62	0.40	2.81	0.07	54.6	6.4	12	16.30	11.5
R498504		1.68	0.105	1.81	6.90	168.0	340	1.55	0.74	4.08	1.19	48.4	7.6	12	16.35	50.1
R498505		1.14	0.007	0.67	7.20	90.7	1930	1.58	0.41	2.33	1.12	51.0	6.9	11	18.50	55.0
R498506		3.67	<0.005	0.12	7.40	11.2	2140	1.71	0.91	2.50	0.11	56.0	7.3	10	15.70	23.5
R498507		2.42	0.017	0.43	7.03	72.4	1080	1.45	0.45	2.80	0.31	47.6	6.8	10	17.00	12.4
R498508		2.81	0.019	1.26	7.02	91.8	1050	1.54	0.35	2.26	2.23	48.9	6.6	10	19.55	10.2
R498509		<0.02	0.023	2.19	6.61	118.5	1080	1.53	0.33	2.19	2.47	58.1	6.7	10	20.0	10.8
R498510		8.69	0.053	0.33	7.00	87.7	1940	1.73	0.67	2.39	0.36	51.3	7.2	10	15.80	20.0
R498511		0.34	1.735	40.9	5.70	2410	320	1.19	37.3	1.63	46.7	37.4	17.2	23	10.25	1170
R498512		4.03	2.16	12.10	6.67	4170	740	1.60	0.41	1.64	30.1	41.1	6.8	9	17.00	26.4
R498513		4.58	<0.005	0.02	0.07	2.5	20	0.05	0.02	20.5	0.08	1.08	0.7	3	0.24	1.9
R498514		1.39	0.088	2.03	6.79	168.0	1420	1.55	0.34	2.32	0.57	43.8	7.7	9	20.2	56.3
R498515		6.72	<0.005	0.06	7.27	6.3	2280	1.46	0.20	2.29	0.10	51.5	6.4	10	16.00	10.7
R498516		11.28	<0.005	0.15	7.26	7.2	2030	1.51	0.32	2.64	0.13	52.7	7.1	13	15.20	63.2
R498517		7.35	<0.005	0.34	7.04	17.4	1590	1.22	0.42	1.89	0.34	47.7	6.6	11	18.90	126.0
R498518		4.48	<0.005	0.50	6.68	32.9	2180	1.56	0.61	2.27	1.95	48.5	5.5	9	18.00	9.1
R498519		1.21	0.040	2.28	6.25	101.5	570	1.38	0.61	2.36	1.35	44.2	7.3	12	15.30	103.0
R498520		4.80	0.007	1.96	6.47	44.0	550	1.52	0.79	2.12	1.34	46.3	6.3	8	18.45	217
R498521		1.22	0.783	25.7	5.41	1670	1940	1.25	0.39	3.33	26.9	38.4	6.2	8	14.25	165.5
R498522		4.59	<0.005	0.05	0.10	0.7	90	0.07	0.03	20.8	0.09	1.24	0.7	2	0.63	2.3
R498523		1.60	0.178	2.46	6.86	546	1340	1.46	1.04	2.28	0.65	43.8	7.0	9	19.40	272
R498524		7.25	0.007	0.21	7.16	21.2	2120	1.78	0.47	2.71	0.09	55.3	7.5	10	22.9	111.5

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 7-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15092121

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
R498489		3.28	14.15	0.06	1.0	0.158	2.72	28.9	25.8	0.65	1210	11.45	0.70	7.0	4.6	550
R498490		2.95	15.65	0.07	1.1	0.057	2.67	27.2	16.9	0.62	740	3.07	1.94	8.2	2.6	600
R498491		2.54	15.50	0.05	1.3	0.045	3.01	29.8	72.5	0.56	672	0.51	0.27	8.4	2.2	610
R498492		2.61	13.75	0.06	1.1	0.045	2.50	25.4	174.5	1.15	890	2.02	0.05	7.0	2.0	500
R498493		2.98	16.10	0.05	1.3	0.054	3.18	26.2	113.0	0.72	841	1.69	0.31	8.2	2.3	610
R498494		2.85	15.45	0.05	1.3	0.047	3.13	25.9	107.5	0.70	781	2.13	0.36	8.2	2.2	590
R498495		2.52	15.25	0.07	1.3	0.041	3.39	26.7	45.5	0.67	2540	1.37	0.06	7.6	2.3	550
R498496		2.63	15.25	0.05	1.2	0.057	3.59	26.0	85.4	0.67	1410	3.28	0.11	7.8	1.8	600
R498497		6.52	14.65	0.05	1.1	0.804	2.91	23.5	20.6	0.77	1820	8.72	0.13	6.3	11.3	520
R498498		3.63	10.30	<0.05	0.8	0.095	2.08	16.6	26.1	1.34	4850	11.90	0.02	4.6	2.3	330
R498499		2.21	15.50	0.06	1.4	0.054	3.56	22.7	50.5	0.64	1420	0.98	0.06	8.8	1.9	610
R498500		3.08	14.30	0.06	1.1	0.066	3.26	29.1	29.4	0.96	2800	1.04	0.23	7.4	2.5	570
R498501		2.76	14.90	0.08	1.3	0.072	3.54	29.1	53.9	0.74	1060	0.53	0.63	8.8	2.1	610
R498502		2.88	15.60	0.07	1.5	0.053	3.12	27.3	36.9	0.72	763	0.75	2.00	8.2	2.5	600
R498503		2.76	16.15	0.07	1.3	0.037	3.04	28.3	43.4	0.66	1020	21.1	1.88	8.7	2.2	620
R498504		3.23	13.90	0.06	1.1	0.040	2.88	26.8	28.3	1.09	4540	4.58	0.02	7.1	2.3	550
R498505		2.91	15.90	0.08	1.3	0.069	3.93	26.4	16.1	0.65	3130	1.66	0.68	8.2	2.2	600
R498506		2.98	15.90	0.06	1.4	0.034	3.00	29.3	40.5	0.73	681	1.37	1.75	8.8	2.4	620
R498507		2.61	14.30	0.07	1.4	0.032	3.80	25.2	21.7	0.73	3100	0.82	0.08	7.2	2.2	600
R498508		2.50	15.55	0.05	1.4	0.033	3.07	25.2	74.5	0.65	2530	1.57	0.10	8.0	2.3	620
R498509		2.39	15.95	0.06	1.5	0.037	2.96	30.3	73.2	0.62	2510	1.73	0.09	8.5	2.2	580
R498510		2.87	16.10	0.08	1.5	0.035	3.23	26.2	30.0	0.69	2050	1.56	1.12	8.4	2.5	590
R498511		8.87	14.00	0.05	0.9	1.590	2.59	18.8	16.7	0.68	2280	17.30	0.06	4.9	13.7	430
R498512		3.50	15.70	<0.05	1.5	0.026	2.43	21.1	110.0	0.53	7610	1.38	0.02	7.1	2.1	550
R498513		0.47	0.24	0.11	<0.1	<0.005	0.03	0.5	1.1	12.70	219	0.08	0.01	0.1	1.1	180
R498514		2.55	16.30	0.08	1.7	0.038	3.72	22.0	50.4	0.57	4170	0.49	0.19	8.1	2.5	580
R498515		2.54	15.90	0.08	1.8	0.034	3.08	27.1	22.9	0.64	625	0.67	1.49	7.8	2.4	570
R498516		2.85	15.80	0.07	1.6	0.042	2.78	27.9	18.2	0.77	659	1.23	1.95	8.0	2.3	570
R498517		2.87	15.20	0.06	1.6	0.046	2.86	24.7	46.8	0.69	876	1.04	0.43	8.2	2.2	570
R498518		2.49	14.55	0.07	1.4	0.036	2.71	25.9	161.0	0.76	2350	1.15	0.07	7.8	2.1	550
R498519		2.56	13.75	0.05	1.4	0.046	2.33	24.1	143.5	0.81	2470	0.95	0.04	6.9	2.4	460
R498520		2.43	14.30	<0.05	1.5	0.074	2.00	24.8	328	0.74	1520	0.87	0.04	7.8	2.2	500
R498521		2.68	11.75	<0.05	1.1	0.058	2.11	21.4	92.5	1.08	3340	0.96	0.04	5.9	1.8	400
R498522		0.51	0.32	0.14	<0.1	0.005	0.04	0.6	2.8	12.95	232	0.11	0.01	0.2	1.2	180
R498523		2.30	15.65	0.14	1.7	0.066	3.30	23.0	66.7	0.75	1870	1.02	0.11	7.8	2.2	560
R498524		3.03	15.90	0.11	1.7	0.044	2.80	29.9	24.8	0.76	768	0.93	1.57	8.4	2.4	580

***** See Appendix Page for comments regarding this certificate *****

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VANCOUVER BC V6B 1L8

Finalized Date: 7-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15092121

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
R498489		536	115.0	0.002	0.88	21.5	10.2	1	2.7	201	0.59	0.21	13.7	0.249	1.49	6.8
R498490		103.5	106.5	<0.002	0.22	5.89	11.1	1	2.3	349	0.67	<0.05	14.7	0.270	1.33	4.3
R498491		19.3	124.0	<0.002	0.04	16.70	9.9	1	2.2	139.0	0.73	<0.05	15.4	0.266	1.47	2.5
R498492		12.3	120.5	<0.002	0.09	25.4	8.6	1	2.3	276	0.60	0.06	12.7	0.226	2.02	2.9
R498493		17.6	123.5	<0.002	0.03	13.60	10.6	1	2.0	196.0	0.73	<0.05	15.4	0.271	1.74	4.3
R498494		15.5	118.5	<0.002	0.03	15.90	10.0	1	1.9	186.5	0.69	<0.05	15.2	0.265	1.65	4.5
R498495		16.9	134.0	<0.002	0.71	38.4	10.0	1	2.0	164.5	0.65	<0.05	14.2	0.246	2.45	5.5
R498496		16.4	141.5	<0.002	0.23	23.2	9.5	1	2.0	162.5	0.69	<0.05	14.6	0.266	2.21	4.9
R498497		1315	150.5	<0.002	4.81	62.8	8.6	1	8.2	94.6	0.55	1.01	11.7	0.214	2.55	5.1
R498498		819	122.5	<0.002	1.57	48.3	5.6	<1	1.7	131.5	0.41	<0.05	7.8	0.149	1.92	16.5
R498499		19.4	136.0	<0.002	0.15	24.0	10.7	<1	2.1	191.5	0.75	<0.05	14.3	0.274	2.39	4.8
R498500		48.0	165.5	<0.002	0.40	27.4	9.1	<1	2.2	148.5	0.61	<0.05	13.9	0.239	2.53	6.1
R498501		11.1	154.5	<0.002	0.10	25.5	10.9	1	1.9	203	0.71	<0.05	16.6	0.272	2.23	3.6
R498502		17.0	122.0	<0.002	0.09	17.25	10.5	1	1.9	335	0.77	<0.05	16.1	0.268	1.42	4.8
R498503		16.6	114.0	0.002	0.09	7.85	10.7	1	1.9	388	0.69	<0.05	16.3	0.271	1.37	4.6
R498504		47.5	142.0	<0.002	1.59	54.8	8.8	1	2.0	154.0	0.59	<0.05	14.9	0.236	2.50	4.5
R498505		127.5	158.5	<0.002	0.47	36.6	10.3	<1	2.0	237	0.67	<0.05	17.0	0.269	2.56	5.2
R498506		18.2	115.5	<0.002	0.12	6.26	11.1	1	2.0	374	0.70	<0.05	17.0	0.279	1.43	4.7
R498507		23.7	148.5	<0.002	1.35	23.1	9.3	<1	1.9	178.5	0.61	<0.05	14.6	0.259	2.57	5.3
R498508		140.0	116.0	<0.002	0.47	27.2	10.0	1	2.6	203	0.69	<0.05	15.0	0.261	2.37	5.3
R498509		164.0	124.0	<0.002	0.48	29.2	10.7	1	2.6	198.5	0.72	<0.05	17.3	0.251	2.37	6.0
R498510		25.1	134.5	<0.002	0.32	16.60	10.4	<1	2.6	292	0.73	<0.05	15.3	0.253	1.99	5.3
R498511		1630	141.0	<0.002	7.96	103.5	7.8	1	11.4	63.9	0.42	0.73	8.9	0.168	2.24	5.3
R498512		801	96.1	<0.002	2.74	73.8	8.6	1	6.8	246	0.61	<0.05	13.7	0.239	2.15	5.0
R498513		2.1	1.4	<0.002	<0.01	0.14	0.2	<1	<0.2	46.8	<0.05	<0.05	<0.2	<0.005	<0.02	0.6
R498514		36.7	145.0	<0.002	1.32	32.2	10.8	1	2.8	178.0	0.68	<0.05	14.5	0.248	2.60	5.2
R498515		18.2	120.5	<0.002	0.05	6.19	10.1	1	2.0	298	0.63	<0.05	17.2	0.251	1.31	5.3
R498516		18.6	109.5	<0.002	0.04	5.23	10.3	1	2.1	347	0.64	<0.05	17.5	0.252	1.26	4.7
R498517		17.4	117.0	<0.002	0.10	38.1	10.2	1	3.3	152.0	0.74	<0.05	16.3	0.255	1.50	4.0
R498518		46.0	111.0	<0.002	0.21	19.90	8.8	1	2.4	204	0.74	<0.05	14.0	0.242	1.71	5.4
R498519		72.3	104.5	<0.002	0.64	69.6	8.0	1	3.3	164.5	0.65	<0.05	13.3	0.213	1.73	5.3
R498520		16.7	91.4	<0.002	0.16	129.0	9.0	1	2.7	192.0	0.76	<0.05	13.5	0.228	1.46	3.4
R498521		337	94.6	<0.002	0.70	147.5	6.7	1	5.2	174.5	0.59	<0.05	10.1	0.185	1.62	5.1
R498522		1.7	2.5	<0.002	0.01	0.58	0.2	<1	<0.2	49.8	<0.05	<0.05	<0.2	<0.005	0.02	0.6
R498523		23.5	133.5	<0.002	0.36	135.0	10.2	1	2.6	181.0	0.80	<0.05	13.9	0.244	2.19	5.6
R498524		17.5	126.0	<0.002	0.07	7.37	11.0	1	2.6	357	0.84	<0.05	15.9	0.260	1.33	5.7

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 7-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15092121

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	V	W	Y	Zn	Zr
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	1	0.1	0.1	2	0.5
R498489		67	6.3	17.0	631	31.2
R498490		71	3.1	17.3	149	34.6
R498491		64	4.2	16.3	55	36.2
R498492		61	2.8	16.8	56	32.1
R498493		71	3.2	16.8	54	38.1
R498494		69	2.8	15.9	54	37.1
R498495		66	3.0	16.0	49	35.1
R498496		69	2.6	14.2	55	36.7
R498497		62	6.0	11.2	2480	29.6
R498498		46	3.1	13.1	960	22.7
R498499		71	2.5	13.7	60	39.6
R498500		66	3.0	17.5	122	33.2
R498501		70	2.7	15.7	76	40.9
R498502		69	1.7	16.5	62	40.6
R498503		72	1.8	17.0	43	39.8
R498504		62	12.1	14.9	128	33.0
R498505		71	4.6	16.1	178	38.4
R498506		73	1.4	17.4	44	42.0
R498507		71	3.9	14.7	54	40.1
R498508		70	3.4	14.5	186	41.7
R498509		68	3.4	16.1	202	40.8
R498510		69	2.9	16.6	63	42.3
R498511		55	7.5	9.8	3410	25.0
R498512		64	5.5	11.6	2100	43.4
R498513		1	0.1	0.7	17	<0.5
R498514		66	3.2	15.0	90	57.0
R498515		63	3.2	16.1	45	58.0
R498516		67	1.2	17.1	50	43.2
R498517		67	2.4	16.4	70	40.1
R498518		63	3.0	14.9	156	38.3
R498519		60	2.6	13.1	94	35.4
R498520		61	3.2	14.8	107	39.1
R498521		51	3.3	13.4	1710	31.5
R498522		2	0.1	0.7	20	<0.5
R498523		65	3.0	16.1	99	42.6
R498524		69	1.2	18.9	51	44.3

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: KLAZA

Finalized Date: 7-JUL-2015
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH15092121

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	ME-MS61

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 4-JUL-2015
Account: ROCKHA

CERTIFICATE WH15092124

Project: KLAZA

P.O. No.: BATCH 21

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 24-JUN-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21d	Sample logging - ClientBarCode Dup
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
SPL-21d	Split sample - duplicate
BAG-06	Double Bagging Coarse Rejects
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31d	Pulverize Split - duplicate

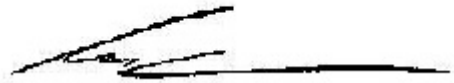
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 4-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15092124

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
R499061		4.90	0.833	4.06	7.04	652	120	1.38	23.7	1.90	3.59	44.4	35.3	11	10.75	450
R499062		7.42	0.073	0.69	7.42	60.5	960	1.40	3.40	2.23	0.35	45.6	16.8	12	12.25	57.2
R499063		8.58	0.305	7.99	7.41	248	570	1.50	14.90	1.73	0.85	50.3	8.3	9	14.35	410
R499064		7.53	0.084	1.59	7.82	64.5	1660	1.52	5.00	1.84	0.77	55.9	7.7	10	16.05	74.1
R499065		0.32	0.891	11.60	6.60	1585	380	1.41	13.70	1.86	31.1	46.1	19.0	19	14.35	282
R499066		8.04	0.164	3.22	7.39	260	710	1.57	4.72	1.57	4.43	50.1	5.5	8	17.10	80.7
R499067		7.86	0.416	5.92	7.33	302	140	1.36	6.10	0.78	4.88	54.9	9.1	9	8.95	175.0
R499068		8.07	1.065	12.25	6.68	413	70	1.24	24.5	0.33	8.71	46.1	16.5	8	12.05	89.2
R499069		4.55	<0.005	0.04	0.09	1.2	40	0.05	0.10	21.2	0.08	1.50	0.6	<1	0.18	2.1
R499070		7.25	0.072	1.37	7.79	64.5	1010	1.39	4.39	2.14	0.21	53.4	3.9	9	14.80	155.0
R499071		8.87	0.019	0.27	7.60	72.3	2460	1.57	0.96	2.25	0.29	47.4	5.7	9	16.70	35.5
R499072		4.56	0.032	1.17	6.85	401	2050	1.28	1.18	3.40	3.04	48.4	6.7	10	19.55	41.8
R499073		11.65	0.011	0.23	7.52	15.7	2420	1.44	1.59	2.49	0.84	43.6	7.3	11	13.75	34.2
R499074		<0.02	0.012	0.21	7.64	15.3	2340	1.51	1.39	2.49	0.91	49.2	6.9	11	13.85	31.1
R499075		3.62	0.013	0.44	7.34	15.0	3310	1.56	1.01	2.81	0.94	28.9	3.6	9	14.85	22.3
R499076		4.00	0.011	0.20	7.64	20.8	2800	1.36	0.97	2.80	0.11	48.3	5.0	9	15.15	69.0
R499077		2.24	0.015	0.22	7.43	22.6	2610	1.39	1.62	2.35	0.11	47.0	7.3	9	14.90	64.0
R499078		11.14	0.030	0.68	7.15	39.0	2160	1.48	1.28	2.22	0.54	47.6	6.7	9	15.40	39.1
R499079		5.33	0.008	0.17	7.16	20.2	1490	1.32	0.69	1.96	0.17	43.0	7.1	8	15.65	24.7
R499080		6.03	0.037	1.03	6.20	50.9	1360	1.67	1.19	2.09	1.11	39.6	4.8	6	12.95	70.8
R499081		10.32	<0.005	0.15	7.60	10.1	2140	1.63	0.46	2.32	0.15	45.6	7.0	10	16.80	12.7
R499082		8.22	<0.005	0.13	7.00	10.2	2700	1.58	0.68	2.66	0.10	37.7	7.6	10	17.65	7.6
R499083		6.37	0.018	0.87	7.91	39.4	2100	1.68	0.83	2.29	0.93	48.7	6.0	9	22.3	21.6
R499084		7.32	0.021	1.97	7.93	85.0	2040	1.81	0.72	1.91	1.93	50.7	8.5	9	19.85	117.5
R499085		0.32	0.372	4.59	7.19	771	390	1.47	3.66	2.18	10.50	50.1	12.6	26	14.85	334
R499086		6.13	0.135	6.87	7.26	151.0	1630	1.66	1.24	2.53	48.0	49.2	6.5	9	18.40	80.7
R499087		4.33	0.246	10.05	7.69	751	370	1.64	0.93	1.82	48.1	55.8	6.6	8	16.10	72.4
R499088		2.90	0.116	3.19	6.95	165.5	1120	1.68	1.65	2.30	13.80	46.7	7.3	8	17.20	101.5
R499089		5.84	0.023	0.49	7.29	56.2	2050	1.56	2.11	2.50	0.20	45.0	7.5	9	14.65	174.5
R499090		4.96	0.020	0.48	7.61	31.8	2270	1.68	1.87	2.44	0.20	45.8	8.3	12	16.00	160.5
R499091		6.00	0.071	1.77	7.30	107.5	1180	1.44	2.25	2.14	10.35	46.3	8.2	8	17.50	115.5
R499092		4.51	2.15	10.85	7.05	353	400	1.50	14.30	2.09	21.1	49.5	8.8	8	13.95	77.1
R499093		4.59	<0.005	0.02	0.06	0.4	460	0.06	0.05	22.0	0.09	1.18	0.7	1	0.17	2.4
R499094		3.54	0.253	13.00	7.09	424	930	1.52	8.10	2.27	19.80	43.0	13.2	9	18.85	111.5
R499095		5.38	0.020	1.29	7.44	17.0	2310	1.38	1.48	2.64	0.16	44.5	8.7	11	13.05	252
R499096		11.05	0.020	0.88	7.49	19.6	2390	1.39	1.19	2.79	0.16	45.6	10.3	10	14.95	188.5

***** See Appendix Page for comments regarding this certificate *****

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 4-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15092124

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
R499061		5.99	15.95	0.09	0.8	0.391	3.01	21.9	10.0	0.71	528	1.93	0.83	6.8	6.2	610
R499062		4.07	16.00	0.09	0.9	0.274	3.10	23.4	16.2	0.78	650	4.50	0.99	7.5	5.5	630
R499063		5.06	16.20	0.09	1.0	0.496	3.36	27.2	7.3	0.90	1260	2.50	0.06	6.8	2.7	610
R499064		4.00	16.45	0.10	1.3	0.360	3.38	31.0	9.0	0.91	2410	1.41	0.06	8.3	2.8	680
R499065		6.65	15.10	0.09	1.0	0.788	2.90	24.1	18.0	0.78	1860	8.75	0.13	6.5	12.4	530
R499066		4.47	16.20	0.10	1.1	0.455	3.30	27.7	9.1	0.79	2560	1.33	0.04	7.3	2.4	590
R499067		5.49	15.40	0.09	1.2	0.389	3.59	29.6	5.9	0.54	1700	2.05	0.04	6.3	2.9	550
R499068		10.75	16.45	0.12	1.0	0.349	3.12	22.2	8.8	0.34	376	1.73	0.05	4.0	2.4	490
R499069		0.51	0.24	<0.05	<0.1	0.005	0.04	0.8	1.0	13.25	228	0.12	<0.01	0.1	1.7	200
R499070		3.20	16.85	0.10	1.1	0.321	3.88	26.6	13.2	0.69	860	1.82	0.19	9.3	2.4	620
R499071		3.17	16.55	0.10	1.3	0.124	3.47	23.8	22.3	0.75	456	1.25	1.11	9.2	2.7	620
R499072		3.36	15.00	0.10	1.0	0.260	3.02	25.5	17.7	1.16	768	1.30	0.08	7.9	2.8	560
R499073		3.04	16.70	0.10	1.1	0.111	3.09	21.9	15.7	0.73	629	1.44	1.71	9.1	2.7	640
R499074		3.06	16.60	0.11	1.1	0.107	3.03	25.3	15.9	0.75	635	1.63	1.68	8.8	2.7	630
R499075		2.14	16.15	0.11	1.2	0.183	3.64	14.4	25.9	0.69	457	2.36	0.19	8.0	1.7	660
R499076		2.94	16.75	0.11	1.3	0.179	3.41	24.1	27.2	0.76	585	1.26	0.35	8.8	2.5	690
R499077		3.17	16.90	0.11	1.2	0.166	3.27	22.4	31.5	0.80	537	2.09	0.26	9.4	2.5	740
R499078		3.17	15.30	0.10	1.4	0.113	2.39	24.6	66.7	0.79	964	1.31	0.06	7.8	2.6	610
R499079		2.74	16.40	0.10	1.5	0.084	1.96	21.0	88.2	0.62	778	1.55	0.06	9.0	2.9	660
R499080		1.73	12.15	0.09	1.9	0.137	2.92	21.0	26.8	0.72	1090	30.6	0.06	8.1	1.4	210
R499081		2.95	16.65	0.10	1.6	0.074	2.85	22.8	30.0	0.73	640	1.52	1.36	9.1	2.7	630
R499082		3.11	15.65	0.09	1.4	0.060	2.90	18.5	16.7	0.77	566	1.42	1.60	8.3	2.6	640
R499083		3.48	17.25	0.10	1.4	0.104	3.26	24.7	35.1	0.84	752	1.21	0.61	9.0	2.5	700
R499084		3.43	17.10	0.11	1.5	0.133	2.96	25.8	60.2	0.76	857	1.32	0.08	8.9	2.9	670
R499085		5.46	15.80	0.10	1.1	0.316	3.21	27.9	25.7	0.83	2070	14.50	0.16	6.5	15.2	570
R499086		3.47	16.10	0.10	1.4	0.323	3.25	25.5	20.3	0.96	900	1.80	0.08	7.9	2.7	590
R499087		4.44	16.80	0.11	1.3	0.265	3.48	30.6	11.0	0.80	553	1.37	0.04	7.5	2.4	610
R499088		3.83	16.00	0.10	1.4	0.171	3.41	23.8	13.3	0.83	2400	1.39	0.07	7.9	2.7	580
R499089		3.30	16.00	0.09	1.3	0.206	3.21	23.6	27.6	0.88	739	1.73	0.21	7.5	2.6	590
R499090		3.51	17.25	0.10	1.4	0.161	2.53	22.4	21.7	0.73	617	2.62	1.00	9.2	2.8	690
R499091		3.73	16.05	0.10	1.2	0.552	3.05	23.7	24.6	0.73	1820	2.92	0.07	8.6	2.4	650
R499092		5.13	15.75	0.10	1.0	0.401	3.27	27.1	8.7	0.95	4960	5.44	0.04	7.1	2.7	640
R499093		0.47	0.19	0.06	<0.1	0.005	0.02	0.6	1.0	13.80	217	0.09	0.01	0.1	1.6	220
R499094		3.85	16.35	0.11	1.1	0.665	3.30	22.0	10.1	0.85	2660	1.89	0.05	7.8	2.9	610
R499095		3.26	17.00	0.10	1.1	0.192	2.54	21.4	22.2	0.87	737	1.03	1.56	9.0	2.8	720
R499096		3.00	17.70	0.11	1.2	0.202	2.72	22.7	21.7	0.77	609	1.57	1.20	9.2	2.6	670

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 4-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15092124

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
R499061		503	154.0	<0.002	4.98	10.25	10.2	2	6.0	200	0.47	1.78	10.3	0.234	1.98	3.6
R499062		39.9	137.0	0.002	1.96	4.49	10.0	1	3.7	245	0.48	0.49	11.5	0.254	1.93	3.6
R499063		107.5	190.0	<0.002	3.66	22.0	10.7	1	5.9	94.0	0.54	0.77	11.8	0.241	2.58	3.4
R499064		61.8	181.5	<0.002	1.29	8.32	11.3	1	3.1	102.0	0.61	0.30	13.3	0.275	2.84	4.3
R499065		1350	173.0	<0.002	4.78	63.9	9.2	2	7.6	98.7	0.53	1.02	12.0	0.217	2.54	5.6
R499066		274	222	<0.002	2.74	12.80	10.2	1	3.8	71.3	0.56	0.49	12.8	0.251	3.17	4.1
R499067		246	226	<0.002	5.14	16.75	9.2	2	6.4	21.9	0.54	0.77	15.4	0.206	2.87	2.9
R499068		482	176.5	<0.002	>10.0	16.15	8.9	3	13.5	31.5	0.31	1.90	11.3	0.137	2.16	3.2
R499069		3.2	2.0	<0.002	0.03	0.10	0.2	<1	0.2	52.3	<0.05	<0.05	0.2	<0.005	0.02	0.8
R499070		41.5	180.5	<0.002	1.99	10.95	9.0	2	3.8	121.5	0.63	0.66	13.5	0.257	2.87	5.8
R499071		37.7	134.0	<0.002	0.44	6.40	9.9	1	2.1	316	0.78	0.11	14.8	0.261	1.76	4.8
R499072		172.0	134.0	<0.002	0.83	11.00	9.6	1	2.0	172.5	0.59	0.12	14.1	0.235	2.10	5.0
R499073		59.3	110.5	<0.002	0.16	5.39	10.3	1	1.8	325	0.69	0.10	12.3	0.271	1.44	4.5
R499074		59.7	116.5	<0.002	0.15	4.93	10.5	1	1.8	319	0.67	0.07	14.3	0.267	1.44	4.4
R499075		77.8	164.5	<0.002	0.31	27.1	10.0	1	1.6	164.0	0.59	0.12	11.6	0.264	2.78	4.2
R499076		15.0	133.0	<0.002	0.26	7.95	11.2	1	1.8	183.0	0.63	0.09	12.5	0.292	2.21	5.6
R499077		15.6	118.0	<0.002	0.32	8.85	11.5	1	2.0	170.0	0.64	0.11	11.7	0.298	2.04	5.4
R499078		33.4	118.5	<0.002	0.78	12.20	10.1	1	1.8	177.5	0.66	0.17	13.4	0.253	1.86	3.4
R499079		15.0	64.3	<0.002	0.24	16.85	10.8	1	1.8	164.5	0.69	0.07	12.9	0.271	1.26	2.7
R499080		48.4	148.5	0.002	0.59	20.3	3.9	1	1.2	106.0	1.39	0.22	26.5	0.095	2.04	11.2
R499081		18.3	107.0	<0.002	0.12	8.05	10.3	1	1.7	294	0.84	0.06	14.5	0.266	1.33	4.6
R499082		16.1	105.0	<0.002	0.75	3.25	10.0	1	1.9	337	0.66	0.07	11.2	0.261	1.56	4.2
R499083		106.0	139.5	<0.002	0.35	8.60	11.8	1	2.6	245	0.65	0.05	12.8	0.290	2.10	3.8
R499084		140.0	126.5	<0.002	0.87	18.70	11.1	1	2.7	151.5	0.70	0.16	13.7	0.283	1.98	4.8
R499085		532	173.5	0.003	2.95	31.1	9.4	1	5.5	117.5	0.52	0.34	12.3	0.225	2.55	5.5
R499086		1400	152.5	<0.002	1.53	12.55	10.1	1	6.2	168.5	0.62	0.33	12.7	0.253	2.31	4.6
R499087		1740	266	<0.002	3.45	14.90	10.7	1	9.4	119.0	0.60	0.21	14.8	0.253	2.92	5.1
R499088		706	158.5	<0.002	2.31	14.75	10.6	1	3.6	122.5	0.66	0.31	13.5	0.248	2.90	5.1
R499089		20.0	137.0	<0.002	1.24	24.8	10.3	1	3.3	146.0	0.63	0.59	13.8	0.251	2.23	5.0
R499090		20.6	93.6	<0.002	0.69	28.4	12.9	1	3.6	255	0.71	0.24	13.0	0.299	1.44	4.1
R499091		270	133.0	<0.002	2.01	12.55	11.3	2	4.2	111.0	0.68	0.32	13.6	0.271	2.22	4.6
R499092		848	216	<0.002	3.96	11.55	10.9	1	5.7	67.6	0.53	8.18	12.1	0.251	2.69	4.1
R499093		2.4	1.3	<0.002	0.01	0.06	0.2	1	<0.2	54.9	<0.05	<0.05	<0.2	<0.005	0.02	0.6
R499094		688	153.5	<0.002	2.38	22.9	10.4	1	4.6	86.3	0.56	7.46	10.9	0.262	2.94	6.7
R499095		20.5	102.5	<0.002	0.47	5.12	13.5	1	2.7	306	0.62	0.17	11.3	0.306	1.32	4.1
R499096		17.1	111.0	<0.002	0.46	9.50	12.8	1	2.8	277	0.68	0.21	12.2	0.298	1.47	3.8

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 4-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15092124

Sample Description	Method / Analyte / Units / LOR	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
R499061		72	2.3	13.1	318	23.9
R499062		73	1.7	13.1	64	26.9
R499063		71	2.9	13.0	108	27.2
R499064		77	2.9	14.8	99	32.6
R499065		65	5.9	12.1	2430	30.3
R499066		70	4.7	12.8	431	31.8
R499067		64	5.3	9.0	453	32.3
R499068		60	7.3	11.2	725	27.1
R499069		3	0.1	0.8	21	<0.5
R499070		68	1.9	17.0	45	31.6
R499071		71	1.2	16.3	52	34.3
R499072		66	2.9	15.8	295	28.7
R499073		76	1.7	16.3	100	30.3
R499074		75	1.8	17.0	104	30.9
R499075		74	2.5	12.1	92	35.7
R499076		82	2.6	17.5	51	35.5
R499077		85	2.3	17.1	54	34.0
R499078		71	3.4	15.2	80	41.9
R499079		70	6.0	14.9	55	44.4
R499080		26	1.4	12.9	97	40.0
R499081		74	3.2	16.7	47	45.8
R499082		75	2.3	14.1	42	40.7
R499083		83	2.0	16.3	107	41.3
R499084		81	4.2	15.5	156	43.4
R499085		73	5.6	12.8	940	32.0
R499086		72	2.4	14.0	1800	38.5
R499087		72	5.6	12.7	2490	38.2
R499088		71	2.3	14.2	981	37.3
R499089		73	1.6	14.1	55	36.8
R499090		88	1.5	16.7	54	38.3
R499091		76	2.1	14.1	851	34.2
R499092		74	3.6	12.0	1720	27.4
R499093		2	0.3	0.8	19	<0.5
R499094		75	3.5	12.2	1380	31.2
R499095		86	1.3	17.0	55	29.5
R499096		84	1.5	16.7	46	32.4

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: KLAZA

Finalized Date: 4-JUL-2015
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH15092124

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	ME-MS61

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 5-JUL-2015
Account: ROCKHA

CERTIFICATE WH15092133

Project: KLAZA

P.O. No.: BATCH 22

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 24-JUN-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21d	Sample logging - ClientBarCode Dup
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
SPL-21d	Split sample - duplicate
BAG-06	Double Bagging Coarse Rejects
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31d	Pulverize Split - duplicate

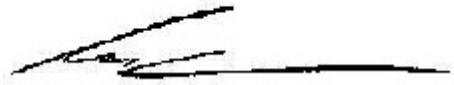
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.

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VANCOUVER BC V6B 1L8

Finalized Date: 5-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15092133

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
R498525		7.07	<0.005	0.14	6.86	2.6	2100	1.54	0.60	2.55	0.08	43.7	6.7	11	14.85	26.4
R498526		3.05	<0.005	0.10	6.85	8.0	1530	1.07	0.53	2.10	0.09	42.5	6.6	9	20.4	20.5
R498527		3.50	0.028	1.70	5.12	85.5	1650	1.07	1.62	3.71	1.39	42.0	6.0	7	14.35	63.6
R498528		<0.02	0.014	1.42	5.21	80.9	1630	1.13	1.70	3.62	1.37	40.1	6.2	7	14.55	64.2
R498529		2.93	<0.005	0.31	6.84	18.8	2000	1.59	0.85	2.10	0.47	43.8	6.7	8	23.9	12.6
R498530		7.88	0.117	0.22	7.53	197.5	1350	1.36	0.84	1.84	0.44	51.4	6.8	9	24.8	14.6
R498531		4.14	0.025	0.42	7.27	108.5	2020	1.31	0.64	1.73	0.19	40.1	6.9	10	20.5	26.6
R498532		6.45	<0.005	0.31	7.78	17.8	2010	1.46	1.46	1.70	0.20	51.6	7.7	10	21.3	35.0
R498533		3.61	<0.005	0.52	6.66	22.2	2610	1.36	1.62	2.26	0.89	43.9	7.6	8	12.40	48.8
R498534		6.38	<0.005	0.10	7.99	3.8	1680	1.18	0.35	0.62	0.10	54.4	7.0	9	18.30	19.7
R498535		9.81	<0.005	0.27	6.80	6.9	2050	1.18	0.87	2.16	0.20	39.9	6.8	9	19.60	54.0
R498536		5.49	<0.005	0.24	7.29	6.7	2080	1.51	0.64	1.92	0.22	36.5	7.6	10	20.3	39.1
R498537		4.03	<0.005	0.28	7.63	6.0	2100	1.51	1.04	1.85	0.11	49.7	7.4	9	22.2	88.7
R498538		2.94	0.008	1.21	6.89	26.2	2370	1.59	0.41	2.52	0.40	42.4	5.4	10	13.90	184.0
R498539		7.88	<0.005	0.19	7.49	25.5	2290	1.63	0.58	2.39	0.10	49.0	7.5	11	12.90	51.7
R498540		0.32	0.902	11.50	6.66	1590	910	1.38	12.70	1.85	31.5	48.2	18.8	19	14.25	284
R498541		3.28	0.857	15.05	5.46	1290	760	1.22	0.32	3.44	9.43	37.1	7.0	5	12.25	67.1
R498542		6.08	<0.005	0.14	7.21	19.0	2030	1.50	0.48	2.26	0.24	44.5	6.9	9	16.15	30.8
R498543		6.05	<0.005	0.19	6.84	29.5	1730	1.28	0.43	2.35	0.19	44.2	6.5	9	19.45	22.9
R498544		3.69	<0.005	0.50	6.84	290	1520	1.38	0.49	2.18	0.35	41.8	5.4	8	17.75	38.2
R498545		2.30	0.275	11.90	5.62	6480	680	1.33	1.64	1.27	22.5	39.9	14.4	7	15.15	128.0
R498546		4.63	<0.005	0.03	0.08	6.9	30	0.06	0.04	20.5	0.09	1.26	0.6	1	0.66	2.1
R498547		4.87	0.071	1.97	6.72	4480	1300	1.14	0.43	1.55	0.85	48.4	6.2	8	18.80	30.3
R498548		0.32	0.364	4.63	6.79	742	620	1.19	3.47	2.03	10.45	51.0	12.6	25	14.45	311
R498549		9.19	0.013	0.78	7.08	594	1520	1.32	0.43	2.12	0.21	47.6	8.9	9	13.85	82.1
R498550		5.18	<0.005	0.30	7.33	109.5	2110	1.45	0.37	2.58	0.11	45.8	7.5	11	13.70	108.0
R498551		10.91	0.019	0.56	7.35	54.1	1660	1.36	0.37	1.67	0.32	48.0	7.5	9	15.30	206
R498552		2.17	0.488	34.1	5.61	1835	580	1.25	0.54	2.38	53.9	43.1	8.2	7	12.40	628
R498553		4.58	<0.005	0.09	0.10	6.2	30	0.06	0.03	20.8	0.21	1.42	0.7	1	0.30	3.8
R498554		4.23	<0.005	0.19	7.96	14.4	2210	1.01	0.32	0.92	0.20	55.3	6.0	9	16.50	125.0
R498555		7.14	0.030	0.59	6.99	159.0	1080	1.30	0.31	2.50	0.36	51.7	7.7	6	21.6	52.5
R498556		2.89	0.456	8.93	5.42	977	380	1.16	0.21	3.51	2.67	39.6	5.3	6	19.40	16.0
R498557		1.89	0.417	75.1	4.43	725	1030	1.09	0.26	3.87	97.0	31.8	6.3	9	18.65	73.3
R498558		4.38	<0.005	0.25	7.44	66.9	660	1.54	0.09	2.04	0.40	72.5	9.5	43	31.8	14.8
R498559		1.02	0.547	6.06	2.69	245	1440	0.92	0.22	3.74	2.81	18.05	5.6	11	13.10	34.8
R498560		4.58	0.015	0.40	6.83	47.2	1040	1.48	0.40	2.63	0.25	43.4	6.8	9	23.4	41.4

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

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Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 5-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15092133

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
R498525		2.76	16.35	0.09	1.6	0.041	2.73	20.4	15.5	0.69	611	1.32	2.21	9.7	2.4	600
R498526		2.48	16.85	0.10	1.6	0.040	2.72	20.3	100.0	0.60	696	0.96	0.11	9.9	2.3	610
R498527		3.52	11.60	0.08	1.0	0.111	2.17	23.0	47.1	1.33	3160	0.93	0.03	5.9	2.2	380
R498528		3.63	11.85	0.08	1.0	0.111	2.25	22.2	46.2	1.32	3160	0.95	0.03	6.1	2.4	390
R498529		2.53	16.25	0.10	1.4	0.043	2.70	21.9	295	0.70	1440	0.65	0.08	8.9	2.4	610
R498530		2.85	16.75	0.11	1.5	0.048	2.99	26.8	181.0	0.74	1560	0.96	0.10	9.4	2.4	620
R498531		2.82	16.55	0.09	1.5	0.043	2.88	19.1	40.4	0.63	2460	0.77	0.11	9.9	2.4	640
R498532		2.94	17.75	0.11	1.6	0.051	3.30	26.2	29.7	0.65	774	2.32	0.59	9.6	2.5	640
R498533		2.94	15.90	0.10	1.3	0.099	2.62	22.2	48.5	0.78	1340	1.25	0.07	8.4	2.3	540
R498534		2.62	17.95	0.11	1.6	0.041	2.71	28.7	39.7	0.45	615	0.94	0.11	9.6	2.6	640
R498535		2.62	17.00	0.09	1.3	0.048	2.68	19.5	40.8	0.50	669	1.13	0.26	9.4	2.2	590
R498536		3.22	17.65	0.10	1.4	0.047	2.83	17.3	44.1	0.59	669	1.02	0.23	9.4	2.7	640
R498537		3.04	17.95	0.09	1.6	0.045	2.95	25.2	35.6	0.61	623	1.52	0.91	9.7	2.6	620
R498538		2.80	16.65	0.10	1.3	0.088	3.19	20.3	13.6	0.63	1650	1.93	1.51	9.2	2.2	600
R498539		3.01	17.15	0.09	1.3	0.055	3.06	24.1	17.1	0.69	850	7.70	1.83	9.6	2.6	620
R498540		6.61	15.90	0.09	1.1	0.789	2.95	25.8	18.2	0.77	1840	9.08	0.13	6.9	11.7	560
R498541		3.72	12.70	0.07	0.9	0.117	2.48	20.5	27.8	1.02	12000	8.91	0.03	6.0	2.1	410
R498542		2.91	17.60	0.09	1.3	0.056	3.04	21.7	41.4	0.63	835	16.10	1.29	9.3	2.6	630
R498543		2.66	16.00	0.12	1.2	0.044	3.04	22.4	24.1	0.77	894	7.25	0.42	8.9	2.1	570
R498544		2.61	16.40	0.10	1.3	0.059	3.79	20.7	19.1	0.72	1700	7.01	0.08	9.0	2.4	600
R498545		3.54	13.35	0.09	0.9	0.210	2.78	21.8	28.6	0.47	2850	20.4	0.03	6.2	3.8	410
R498546		0.48	0.27	0.05	<0.1	0.006	0.04	0.6	1.4	12.85	222	0.14	0.01	0.3	1.6	190
R498547		2.63	15.20	0.09	1.1	0.053	2.61	26.0	33.4	0.62	943	13.10	0.03	8.1	2.7	530
R498548		5.08	16.20	0.10	1.1	0.318	3.01	29.3	21.8	0.78	1920	15.75	0.15	6.7	14.1	540
R498549		2.69	17.45	0.10	1.3	0.112	3.77	23.9	18.1	0.77	2160	5.00	0.12	9.3	2.5	600
R498550		2.91	17.25	0.09	1.3	0.063	2.73	22.6	14.1	0.74	640	8.88	1.99	9.8	2.6	610
R498551		2.93	17.50	0.09	1.5	0.100	3.18	24.0	23.1	0.62	1780	4.32	0.61	9.8	2.5	630
R498552		3.95	13.35	0.10	1.2	0.183	2.89	23.9	20.5	0.72	9720	19.10	0.06	6.3	2.8	370
R498553		0.48	0.33	0.06	<0.1	0.007	0.04	0.7	1.2	13.10	252	0.17	0.01	0.2	1.5	180
R498554		2.83	17.90	0.11	1.5	0.064	2.77	29.8	29.5	0.49	624	3.44	0.19	9.7	2.3	590
R498555		2.84	16.50	0.10	1.4	0.066	2.68	27.4	69.5	0.89	1770	3.16	0.04	9.9	2.3	600
R498556		3.42	12.90	0.08	0.9	0.026	2.29	22.0	28.9	1.12	5080	2.93	0.02	6.1	2.1	410
R498557		3.13	10.65	0.07	1.1	0.043	1.66	17.4	55.9	1.38	4860	3.30	0.03	5.4	4.2	530
R498558		3.12	19.05	0.12	4.3	0.036	1.70	38.1	530	1.13	1110	0.90	0.04	11.7	15.6	1750
R498559		2.24	6.24	<0.05	0.5	0.024	1.04	10.1	45.9	1.41	2510	10.45	0.03	2.9	2.5	170
R498560		2.74	16.20	0.09	1.4	0.051	2.93	22.4	103.0	0.89	2160	3.59	0.07	8.2	2.6	550

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C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 5-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15092133

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
R498525		17.5	108.5	<0.002	0.02	2.04	8.9	<1	2.2	385	0.89	<0.05	13.2	0.246	1.13	5.3
R498526		16.9	98.8	<0.002	0.08	21.2	9.2	1	2.9	185.0	0.95	<0.05	11.9	0.250	1.52	3.7
R498527		95.1	127.0	<0.002	0.40	55.7	7.3	1	1.8	130.5	0.59	<0.05	11.6	0.167	1.74	7.2
R498528		76.6	132.0	<0.002	0.41	54.5	7.4	<1	1.9	128.5	0.61	<0.05	11.4	0.171	1.78	6.5
R498529		30.0	112.5	<0.002	0.23	28.6	9.5	1	2.4	215	0.82	<0.05	12.4	0.246	1.79	4.8
R498530		22.7	132.0	<0.002	0.38	28.1	9.8	1	2.6	198.0	0.82	<0.05	14.6	0.254	1.82	4.7
R498531		20.0	111.5	<0.002	0.24	15.20	10.9	1	3.0	150.0	0.84	<0.05	11.9	0.269	1.71	4.1
R498532		26.2	151.0	<0.002	0.15	9.88	10.3	1	2.5	207	0.75	<0.05	15.1	0.259	1.85	5.4
R498533		43.7	103.0	<0.002	0.23	31.8	9.5	1	2.3	160.0	0.64	<0.05	13.1	0.225	2.12	5.7
R498534		18.9	120.5	<0.002	0.02	15.00	10.3	1	2.3	97.4	0.72	<0.05	16.5	0.262	1.13	3.7
R498535		20.9	95.4	<0.002	0.08	14.00	9.4	1	2.3	203	0.69	<0.05	10.6	0.255	1.31	4.9
R498536		27.2	96.8	<0.002	0.07	12.85	10.5	1	2.5	210	0.69	<0.05	11.2	0.265	1.31	5.4
R498537		17.4	128.0	<0.002	0.04	9.50	10.2	1	2.9	254	0.74	<0.05	14.8	0.260	1.36	3.7
R498538		34.4	130.5	<0.002	0.10	11.45	9.7	1	2.5	265	0.72	<0.05	12.0	0.249	1.70	3.9
R498539		18.9	123.5	<0.002	0.23	7.10	10.3	1	2.3	321	0.72	<0.05	13.5	0.261	1.47	2.9
R498540		1340	173.0	<0.002	4.68	68.5	9.1	1	8.1	99.6	0.55	1.05	12.1	0.210	2.47	5.4
R498541		261	149.5	<0.002	1.76	81.3	7.1	1	2.3	84.7	0.47	<0.05	10.3	0.181	2.20	3.5
R498542		17.7	120.5	<0.002	0.04	10.55	10.2	1	2.1	251	0.71	<0.05	12.0	0.258	1.54	3.1
R498543		18.9	126.0	<0.002	0.14	12.90	9.7	1	2.0	126.5	0.66	<0.05	12.1	0.244	1.86	5.2
R498544		35.1	159.5	<0.002	0.49	31.0	9.8	1	2.0	98.1	0.67	<0.05	11.3	0.246	2.70	5.3
R498545		1020	184.0	<0.002	2.13	188.0	7.8	1	2.6	59.2	0.47	0.09	10.2	0.186	2.64	10.0
R498546		3.3	3.2	<0.002	<0.01	0.32	0.2	<1	<0.2	50.1	<0.05	<0.05	0.3	<0.005	0.03	0.6
R498547		43.7	141.5	<0.002	1.52	130.5	9.1	1	1.9	101.0	0.61	<0.05	13.5	0.231	2.58	5.8
R498548		496	172.5	0.004	2.69	32.1	9.0	1	5.7	111.5	0.54	0.30	12.2	0.208	2.44	5.4
R498549		29.1	174.5	<0.002	0.44	29.9	10.3	1	2.4	98.5	0.71	<0.05	13.3	0.248	2.74	5.2
R498550		19.8	114.0	<0.002	0.10	5.02	10.4	1	2.3	347	0.71	<0.05	13.4	0.259	1.36	3.4
R498551		32.9	154.0	<0.002	0.26	44.3	11.4	1	2.4	144.5	0.78	<0.05	13.9	0.254	2.06	5.1
R498552		5770	184.0	0.003	2.54	301	7.7	1	2.2	65.5	0.61	<0.05	14.4	0.157	2.45	11.0
R498553		19.5	2.5	<0.002	<0.01	1.16	0.2	1	<0.2	51.0	<0.05	<0.05	0.2	<0.005	0.03	0.9
R498554		24.4	135.5	<0.002	0.05	48.4	10.1	1	2.4	87.2	0.77	<0.05	16.8	0.250	1.31	7.5
R498555		26.8	136.5	<0.002	0.47	44.8	10.6	1	2.5	142.0	0.83	<0.05	15.0	0.256	2.15	7.5
R498556		234	136.5	<0.002	1.84	51.8	7.1	1	2.1	96.2	0.46	<0.05	10.8	0.183	2.09	5.1
R498557		3420	93.7	<0.002	1.62	121.5	5.8	<1	3.2	293	0.38	<0.05	7.3	0.178	1.52	6.3
R498558		25.9	79.2	<0.002	0.14	36.8	8.3	1	1.4	1395	0.64	<0.05	8.2	0.426	1.10	3.5
R498559		127.5	63.0	<0.002	0.71	78.4	3.8	<1	1.6	133.5	0.24	<0.05	4.7	0.086	1.02	6.1
R498560		29.1	123.5	<0.002	0.30	31.8	9.0	1	2.2	196.5	0.63	<0.05	11.9	0.226	2.21	5.6

***** See Appendix Page for comments regarding this certificate *****

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 5-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15092133

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	V	W	Y	Zn	Zr
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	1	0.1	0.1	2	0.5
R498525		70	1.3	16.7	49	38.9
R498526		72	5.3	15.4	50	39.5
R498527		56	4.0	15.5	143	25.9
R498528		56	3.9	16.0	141	31.4
R498529		69	4.7	15.3	78	35.7
R498530		71	4.1	16.1	76	39.4
R498531		77	4.9	15.6	68	40.0
R498532		72	2.8	16.7	65	42.4
R498533		67	4.5	15.4	144	36.5
R498534		73	5.5	15.6	55	44.2
R498535		71	2.8	13.1	59	34.7
R498536		75	2.5	13.1	67	36.6
R498537		72	4.3	16.5	55	43.5
R498538		70	5.4	15.0	84	34.2
R498539		73	8.0	16.7	62	36.6
R498540		64	6.2	12.3	2420	31.1
R498541		50	12.2	12.0	983	24.7
R498542		74	50.2	15.9	91	36.0
R498543		69	10.0	15.6	57	34.8
R498544		68	11.1	14.2	70	34.6
R498545		54	14.6	13.7	1220	25.4
R498546		2	0.1	0.8	20	<0.5
R498547		65	15.8	12.9	114	31.2
R498548		67	5.8	12.7	883	31.7
R498549		69	10.0	14.1	70	33.6
R498550		72	5.8	17.6	49	33.9
R498551		74	8.5	17.2	73	39.4
R498552		55	6.8	13.3	6790	31.7
R498553		3	0.1	0.9	42	0.5
R498554		69	7.6	17.4	60	39.8
R498555		73	4.1	18.3	62	34.2
R498556		50	3.5	12.4	229	25.9
R498557		48	3.3	10.9	6540	40.0
R498558		82	6.2	14.9	111	170.5
R498559		32	1.8	7.0	185	15.5
R498560		63	2.7	15.4	58	39.2

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
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VANCOUVER BC V6B 1L8

Project: KLAZA

Finalized Date: 5-JUL-2015
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH15092133

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	ME-MS61

ALS Canada Ltd.

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VANCOUVER BC V6B 1L8

Finalized Date: 9-JUL-2015
Account: ROCKHA

CERTIFICATE WH15092136

Project: KLAZA

P.O. No.: BATCH 23

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 24-JUN-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
CRU-32	Fine Crushing 90% <2mm
SPL-21	Split sample - riffle splitter
PUL-35a	Pulv 1 kg split to 95%<106 um
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate
PUL-35ad	Pulv 1 kg split to 95%<106 um DUP
BAG-01	Bulk Master for Storage
LOG-23	Pulp Login - Rcvd with Barcode
BAG-06	Double Bagging Coarse Rejects
LOG-21	Sample logging - ClientBarCode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test

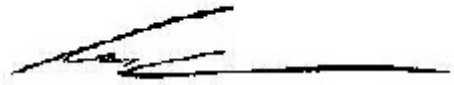
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Zn-OG62	Ore Grade Zn - Four Acid	VARIABLE
As-OG62	Ore Grade As - Four Acid	VARIABLE
Au-AA24	Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
ME-MS61	48 element four acid ICP-MS	
Ag-OG62	Ore Grade Ag - Four Acid	VARIABLE
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Cu-OG62	Ore Grade Cu - Four Acid	VARIABLE
Pb-OG62	Ore Grade Pb - Four Acid	VARIABLE

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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Finalized Date: 9-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15092136

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-AA24 Au ppm 0.005	Au-GRA22 Au ppm 0.05	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05
R499237		2.43	3.93		>100	1.36	2620	120	0.33	50.0	4.89	903	8.87	3.4	5	1.55
R499238		1.43	2.88		16.50	3.37	>10000	80	0.70	20.5	2.41	150.0	16.25	67.9	12	2.89
R499239		1.90	3.10		>100	2.53	5520	60	0.54	0.44	1.18	597	7.56	4.5	10	5.25
R499240		2.66	7.54		49.3	1.54	2830	40	0.38	14.05	3.77	28.8	7.55	9.1	4	3.02
R499241		4.63	0.297		2.21	6.97	579	170	1.13	2.48	0.51	1.27	39.1	7.2	11	7.36
R499242		<0.02	0.290		2.05	6.97	563	180	1.22	2.57	0.49	1.23	43.3	7.5	11	7.82
R499243		3.16	0.522		6.49	2.60	450	320	0.40	11.45	0.32	0.53	7.79	24.6	16	1.77
R499244		4.79	>10.0	11.55	>100	1.79	2280	80	0.37	354	4.07	378	61.0	9.2	10	2.47
R499245		2.35	1.855		42.6	5.72	3080	90	1.05	1.32	1.41	127.5	21.1	8.8	10	8.88
R499246		3.33	>10.0	11.20	>100	3.93	>10000	320	0.73	46.7	3.90	450	28.3	3.6	8	8.93
R499247		4.45	0.009		0.52	0.05	7.7	20	<0.05	0.10	21.1	0.62	0.99	0.6	1	0.12
R499248		2.11	2.77		>100	3.38	1575	110	0.44	1500	2.87	288	13.65	8.2	16	2.25
R499249		1.91	0.799		>100	3.83	514	150	0.55	497	5.79	69.2	13.50	11.1	10	4.50
R499250		4.83	1.350		18.10	6.49	771	770	1.04	21.7	1.32	77.0	38.8	6.9	13	10.95
R499251		1.82	7.45		>100	3.71	1480	250	0.63	227	1.52	52.7	23.0	58.4	14	2.70
R499252		2.17	>10.0	14.85	>100	3.25	1580	160	0.74	64.2	2.43	271	15.70	6.2	17	6.81
R499253		1.33	1.010		43.0	6.43	322	380	1.12	82.7	0.79	1.19	21.5	13.6	18	8.70
R499254		0.17	>10.0	14.40	>100	4.76	181.0	620	0.40	1.88	2.26	932	17.95	61.4	55	1.28
R499255		2.08	3.50		>100	4.70	3160	310	0.76	236	2.35	36.8	29.7	27.3	11	4.78
R499256		3.43	0.254		1.59	7.68	82.9	580	1.40	2.03	1.02	1.85	46.8	15.4	17	10.85
R499257		<0.02	0.245		1.60	7.79	80.3	590	1.41	2.03	1.05	1.66	46.9	15.8	15	11.15
R499258		1.55	1.555		20.1	4.47	442	290	0.77	51.4	0.62	0.94	46.6	32.7	15	6.03
R499259		1.82	2.73		>100	4.54	963	590	0.92	27.3	2.58	598	38.8	7.1	13	14.35
R499260		4.58	<0.005		0.51	0.06	2.5	30	0.05	0.20	22.3	0.98	1.12	0.6	2	0.24
R499261		1.39	3.67		>100	3.57	2060	130	0.60	30.1	2.20	483	23.4	4.7	7	6.82
R499262		5.64	0.759		17.75	4.14	913	670	0.91	2.01	1.96	27.6	25.0	6.3	16	9.77
R499263		2.30	>10.0	26.9	>100	5.14	>10000	140	0.99	10.75	1.12	840	24.8	7.0	17	16.95
R499264		1.83	>10.0	12.80	45.4	6.84	1405	60	1.36	21.2	1.41	32.3	36.5	11.5	27	16.15
R499265		3.88	0.206		36.4	7.48	290	440	1.47	4.49	1.57	25.2	63.4	8.4	12	15.15
R499266		2.97	1.605		34.0	4.23	1055	280	0.78	26.4	2.07	296	26.8	287	12	6.40
R499267		2.10	3.45		13.90	6.23	3700	420	1.17	0.45	2.69	238	40.6	4.5	12	11.80
R499268		0.94	2.20		13.75	4.55	4010	700	1.09	0.72	3.09	58.6	30.6	6.1	12	15.05
R499269		1.43	4.94		56.5	5.96	>10000	530	1.20	0.22	2.77	104.5	38.9	5.6	12	15.50
R499270		0.31	1.725		41.3	5.83	2640	130	1.05	34.6	1.69	43.1	34.0	15.8	25	9.52
R499271		1.41	7.28		75.5	5.07	5720	740	1.17	0.48	3.03	75.0	34.4	5.9	12	10.35
R499272		1.67	0.273		8.32	5.86	402	630	1.13	2.16	2.58	89.7	38.6	8.3	11	15.00

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CERTIFICATE OF ANALYSIS WH15092136

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni
	Units	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	LOR	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2
R499237		2510	15.00	4.85	0.07	0.2	6.61	0.62	4.8	5.3	2.01	21800	3.36	0.01	1.0	1.1
R499238		296	13.70	8.36	0.09	0.5	4.67	1.62	6.2	9.5	0.95	3930	7.03	0.03	2.1	3.7
R499239		1405	6.96	6.26	0.06	0.4	0.647	1.12	1.9	17.6	0.42	18400	6.95	0.01	2.3	1.9
R499240		1170	24.5	4.89	0.09	0.2	1.825	0.63	4.1	12.3	1.51	4180	15.75	0.02	1.1	4.5
R499241		30.6	5.65	16.90	0.08	1.1	0.210	3.32	20.0	7.8	0.46	359	1.54	0.05	4.8	2.4
R499242		27.3	5.62	17.85	0.10	1.1	0.223	3.36	22.1	8.7	0.46	361	2.16	0.05	5.1	2.5
R499243		104.0	24.1	6.93	0.10	0.4	0.115	1.22	3.4	4.1	0.18	231	2.29	0.03	1.3	2.8
R499244		>10000	20.3	6.27	0.14	0.3	9.31	0.80	32.7	5.5	1.67	4450	1.90	0.02	1.2	1.9
R499245		174.5	9.45	14.15	0.09	0.9	0.439	2.87	9.0	11.6	0.57	2940	4.40	0.02	3.5	3.7
R499246		1525	5.77	9.45	0.07	0.6	25.9	1.73	16.1	17.6	1.36	6420	6.49	0.02	3.8	1.9
R499247		5.9	0.49	0.15	<0.05	<0.1	0.034	0.02	0.5	0.8	13.25	238	0.07	<0.01	0.1	1.3
R499248		8460	12.10	9.10	0.07	0.5	4.84	1.61	7.2	5.6	1.35	2780	6.11	0.03	1.8	2.1
R499249		2090	8.31	9.08	0.06	0.4	2.31	1.86	7.0	11.4	2.31	2690	2.13	0.03	2.0	1.7
R499250		418	8.53	15.55	0.08	0.7	1.235	3.01	20.7	8.5	0.71	846	2.42	0.05	4.9	2.7
R499251		1880	15.75	10.25	0.09	0.5	1.535	1.79	12.2	7.1	0.56	3240	4.33	0.04	1.7	2.9
R499252		3420	11.45	12.15	0.07	0.6	2.87	1.42	7.8	13.4	0.80	10900	3.08	0.03	2.5	2.3
R499253		3000	13.45	15.05	0.10	0.8	0.861	3.43	9.7	4.7	0.53	600	3.02	0.06	4.7	3.0
R499254		>10000	10.45	16.55	0.09	0.5	3.12	0.89	8.4	5.3	0.89	1840	158.5	1.20	2.2	18.5
R499255		>10000	19.05	12.85	0.10	0.5	7.25	2.26	16.6	6.6	0.88	4200	3.66	0.03	2.5	3.1
R499256		52.3	4.73	14.15	0.09	0.9	0.228	3.81	25.6	8.5	0.67	1460	1.74	0.04	4.5	2.3
R499257		51.8	4.69	14.60	0.10	0.9	0.221	3.85	25.8	8.4	0.68	1480	2.07	0.04	4.8	2.5
R499258		470	18.15	11.55	0.11	0.6	0.700	2.15	25.1	5.9	0.50	898	1.69	0.04	1.9	3.1
R499259		1825	9.71	11.05	0.08	1.1	9.93	1.82	20.3	23.8	0.83	7280	29.6	0.04	5.2	3.8
R499260		6.3	0.53	0.20	<0.05	<0.1	0.020	0.03	0.5	0.9	13.95	252	0.15	<0.01	0.1	1.5
R499261		2880	13.25	8.07	0.08	0.6	4.12	1.55	11.1	8.6	0.69	13450	2.95	0.02	3.3	1.5
R499262		518	3.35	9.04	0.06	0.6	0.361	1.83	14.1	35.7	0.55	4120	3.88	0.02	3.9	2.7
R499263		2210	10.50	16.85	0.09	1.4	14.80	2.29	12.4	9.9	0.40	621	8.60	0.05	4.6	7.9
R499264		2080	12.00	18.20	0.08	2.8	1.385	2.91	17.9	14.4	0.65	609	4.76	0.07	7.5	18.8
R499265		594	4.17	15.75	0.11	1.1	0.358	3.54	35.1	10.7	0.76	899	1.08	0.05	5.9	2.8
R499266		527	19.25	10.60	0.10	0.5	6.62	2.00	15.1	4.5	0.79	3170	2.57	0.03	3.1	8.6
R499267		183.5	5.15	13.90	0.08	0.9	0.566	2.98	21.4	19.7	0.74	19200	3.11	0.02	6.2	2.2
R499268		30.1	3.84	9.61	0.05	0.7	0.031	1.97	17.1	41.0	0.72	13150	5.53	0.02	4.2	2.2
R499269		62.0	4.02	12.50	0.08	1.2	0.037	2.27	21.3	44.4	0.82	13450	1.43	0.02	5.6	2.6
R499270		1180	9.50	13.25	0.08	0.8	1.490	2.68	17.7	15.5	0.70	2400	15.55	0.06	4.5	13.3
R499271		105.5	4.48	10.65	0.07	0.9	0.076	2.75	18.8	26.7	0.93	13650	5.46	0.04	5.0	2.5
R499272		579	3.39	11.90	0.08	1.0	1.110	2.77	21.7	27.7	0.82	4290	1.15	0.10	5.6	3.0

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	Analyte	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
	LOR	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02
R499237		100	>10000	33.4	0.003	>10.0	100.5	1.6	2	17.0	45.6	0.08	0.28	1.9	0.040	0.49
R499238		250	1660	94.6	<0.002	>10.0	79.2	4.3	2	8.4	39.5	0.18	2.22	4.7	0.085	1.12
R499239		160	>10000	73.2	<0.002	7.03	860	3.2	1	4.0	124.5	0.20	<0.05	2.9	0.080	1.22
R499240		130	1290	29.9	0.005	>10.0	362	2.5	2	14.3	60.2	0.09	1.55	3.6	0.033	0.91
R499241		510	217	189.5	0.002	5.55	13.25	7.9	1	10.9	18.5	0.49	0.35	11.8	0.171	2.17
R499242		510	195.0	196.0	<0.002	5.52	12.50	8.3	1	11.6	19.3	0.51	0.35	12.6	0.175	2.22
R499243		200	139.5	54.0	0.006	>10.0	9.42	3.7	4	6.2	6.7	0.12	3.94	2.9	0.053	0.81
R499244		140	>10000	38.7	<0.002	>10.0	376	2.5	4	19.7	53.5	0.12	4.71	3.0	0.041	0.70
R499245		790	4150	185.0	0.003	9.57	52.5	8.8	1	7.3	46.7	0.21	0.22	2.1	0.284	2.59
R499246		250	>10000	104.5	<0.002	5.54	629	4.8	2	5.3	84.9	0.32	0.09	7.2	0.129	1.69
R499247		180	75.3	0.8	<0.002	0.01	0.64	0.1	1	<0.2	49.2	<0.05	<0.05	<0.2	<0.005	<0.02
R499248		270	>10000	80.4	<0.002	>10.0	144.0	4.1	3	17.8	36.8	0.21	4.14	4.9	0.069	0.96
R499249		300	6020	110.0	<0.002	7.05	76.4	5.1	2	6.1	118.0	0.18	1.05	4.9	0.085	1.27
R499250		540	1440	199.5	<0.002	8.05	18.30	8.2	1	11.7	63.9	0.38	0.32	8.7	0.179	2.28
R499251		300	5210	107.5	<0.002	>10.0	126.5	4.8	3	14.4	39.5	0.15	2.04	5.9	0.067	1.20
R499252		220	>10000	77.7	<0.002	>10.0	154.5	3.8	1	17.3	71.6	0.18	0.40	4.2	0.087	1.11
R499253		560	191.0	217	<0.002	>10.0	10.60	9.0	4	10.6	47.3	0.39	5.10	8.2	0.165	2.21
R499254		610	>10000	28.5	0.064	>10.0	205	10.8	11	17.9	238	0.15	0.52	1.6	0.194	6.95
R499255		390	2370	143.5	0.004	>10.0	85.5	5.8	4	18.5	51.1	0.23	1.83	7.1	0.103	1.59
R499256		600	73.6	253	<0.002	3.64	5.23	8.1	1	7.6	33.4	0.37	0.31	12.6	0.161	3.12
R499257		620	60.8	259	<0.002	3.65	5.32	8.4	1	8.0	34.2	0.39	0.33	12.2	0.168	3.20
R499258		400	205	126.5	<0.002	>10.0	42.0	6.6	4	9.8	25.4	0.17	2.84	6.9	0.101	1.45
R499259		460	>10000	92.2	<0.002	>10.0	228	4.6	1	5.0	169.0	0.43	0.21	6.8	0.150	1.48
R499260		190	41.5	1.4	<0.002	0.01	0.45	0.2	1	<0.2	48.9	<0.05	<0.05	<0.2	<0.005	0.02
R499261		260	>10000	86.7	<0.002	>10.0	1770	4.4	1	4.5	83.4	0.29	0.30	5.6	0.110	1.34
R499262		290	1930	99.6	<0.002	1.98	283	5.4	1	2.0	51.2	0.35	<0.05	7.4	0.133	1.49
R499263		430	>10000	103.5	<0.002	>10.0	389	6.2	3	28.5	89.8	0.37	1.70	5.9	0.176	1.63
R499264		590	1075	106.0	<0.002	>10.0	118.0	6.9	3	15.4	83.0	0.58	1.17	9.0	0.240	1.95
R499265		550	2870	219	<0.002	3.00	79.9	8.9	1	4.8	74.3	0.47	1.10	17.9	0.201	2.86
R499266		320	5360	100.5	0.002	>10.0	32.4	5.5	5	8.6	38.1	0.24	6.07	5.9	0.124	1.44
R499267		540	1270	180.5	<0.002	4.18	177.0	8.8	1	3.5	109.0	0.51	<0.05	10.0	0.237	2.43
R499268		370	1260	95.3	<0.002	2.50	95.4	5.6	1	4.1	131.0	0.34	<0.05	7.2	0.159	1.57
R499269		500	3050	103.0	<0.002	2.79	192.5	6.9	1	13.5	194.0	0.45	<0.05	10.2	0.198	1.83
R499270		470	1725	147.0	<0.002	8.08	108.5	7.5	2	10.1	61.5	0.39	0.74	8.4	0.171	1.96
R499271		400	2130	141.5	<0.002	2.67	297	6.0	1	5.5	88.3	0.48	<0.05	8.5	0.167	2.00
R499272		420	867	134.0	<0.002	1.78	106.0	6.7	1	1.9	114.5	0.48	<0.05	11.4	0.184	1.61

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Project: KLAZA

CERTIFICATE OF ANALYSIS WH15092136

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Ag-OG62	Cu-OG62	Pb-OG62	Zn-OG62	As-OG62
	Analyte	U	V	W	Y	Zn	Zr	Ag	Cu	Pb	Zn	As
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%
	LOR	0.1	1	0.1	0.1	2	0.5	1	0.001	0.001	0.001	0.001
R499237		1.2	13	2.4	3.7	>10000	4.8	133		2.88	6.77	
R499238		5.0	32	3.4	4.9	>10000	11.8				1.175	1.645
R499239		3.2	24	2.3	4.8	>10000	10.3	720		10.20	3.66	
R499240		17.5	18	4.3	6.4	2310	7.1					
R499241		7.2	58	6.5	6.3	122	28.3					
R499242		7.4	59	6.9	6.7	111	30.0					
R499243		1.7	26	3.5	2.5	42	9.3					
R499244		5.3	17	3.3	13.8	>10000	8.5	396	2.76	1.765	3.28	
R499245		2.6	103	6.0	6.9	>10000	32.9				1.205	
R499246		3.0	35	4.0	7.2	>10000	16.6	495		8.72	2.59	1.360
R499247		0.7	3	0.1	0.6	67	<0.5					
R499248		2.3	35	5.4	3.9	>10000	12.5	837		1.305	2.53	
R499249		3.1	44	5.5	6.4	4890	8.9	259				
R499250		4.1	60	8.2	7.9	5590	16.9					
R499251		1.9	38	4.2	7.5	4560	11.7	129				
R499252		1.7	32	4.4	4.2	>10000	21.4	101		1.420	1.960	
R499253		9.3	70	7.0	7.9	105	21.8					
R499254		2.1	135	8.1	12.4	>10000	10.3	131	2.84	2.47	15.10	
R499255		6.1	42	10.5	30.1	3660	12.8	168	1.090			
R499256		4.1	57	7.0	10.8	207	24.8					
R499257		4.2	57	7.1	10.8	184	23.7					
R499258		2.4	49	4.7	8.7	122	13.7					
R499259		4.5	40	2.0	9.6	>10000	39.6	295		2.51	4.95	
R499260		0.9	2	0.1	0.7	70	<0.5					
R499261		2.3	33	2.8	8.0	>10000	14.4	314		3.64	3.93	
R499262		8.6	49	6.8	7.5	2780	16.3					
R499263		3.4	53	5.0	6.0	>10000	48.0	576		8.50	3.55	1.700
R499264		4.8	58	4.5	10.5	2180	109.5					
R499265		3.4	63	4.3	10.4	1820	33.8					
R499266		2.6	41	3.7	7.4	>10000	15.3				2.40	
R499267		3.7	70	7.7	13.0	>10000	23.9				2.28	
R499268		4.1	47	3.7	11.4	3740	22.7					
R499269		3.6	56	7.7	11.0	7440	37.2					1.120
R499270		5.1	59	7.1	8.5	3390	24.0					
R499271		5.5	48	3.3	9.4	4600	25.6					
R499272		5.2	54	3.2	12.2	>10000	29.4				1.010	

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

2103 Dollarton Hwy
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www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: KLAZA

Finalized Date: 9-JUL-2015
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH15092136

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

BAG-01	BAG-06	CRU-32	CRU-QC
LOG-21	LOG-21d	LOG-23	PUL-35a
PUL-35ad	PUL-QC	SPL-21	SPL-21d
WEI-21			

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Ag-OG62	As-OG62	Au-AA24	Au-GRA22
Cu-OG62	ME-MS61	ME-OG62	Pb-OG62
Zn-OG62			

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CERTIFICATE WH15092138

Project: KLAZA

P.O. No.: BATCH 24

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 24-JUN-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21d	Sample logging - ClientBarCode Dup
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
SPL-21d	Split sample - duplicate
BAG-06	Double Bagging Coarse Rejects
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31d	Pulverize Split - duplicate

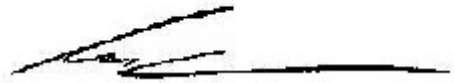
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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Finalized Date: 9-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15092138

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
R499097		3.61	0.115	2.85	6.40	203	1450	1.44	5.82	2.73	2.23	54.8	9.0	7	13.15	599
R499098		4.45	0.015	0.75	6.36	61.2	1590	1.51	1.94	3.23	0.91	39.1	8.9	10	12.35	87.0
R499099		2.02	0.014	0.73	6.06	42.3	1380	1.31	1.73	6.01	1.02	42.2	7.9	8	12.10	76.9
R499100		4.86	0.396	6.72	6.50	375	670	1.40	9.57	1.31	6.64	41.7	5.8	9	8.48	201
R499101		5.95	0.056	0.90	7.37	37.4	1950	1.71	2.23	2.05	1.59	51.1	7.8	10	12.20	72.1
R499102		6.44	2.75	6.91	7.03	374	1030	1.54	23.0	1.51	1.76	47.2	7.7	10	11.45	842
R499103		2.01	0.249	1.90	5.76	453	1830	1.81	1.45	3.10	3.85	49.4	6.7	14	18.85	76.5
R499104		6.33	<0.005	0.09	6.35	13.0	1720	2.13	0.16	3.23	0.11	49.3	6.8	16	13.95	15.6
R499105		9.31	0.005	0.13	6.64	23.2	1990	2.11	0.15	2.97	0.12	55.5	7.4	17	13.95	17.9
R499106		<0.02	<0.005	0.11	6.61	22.8	2000	2.13	0.18	2.92	0.12	57.1	7.2	17	14.05	16.6
R499107		1.77	0.493	26.2	6.74	1470	490	1.81	33.6	2.14	14.05	48.5	10.0	10	12.00	282
R499108		5.64	0.020	0.83	7.49	64.8	1970	1.61	2.90	1.76	0.46	57.6	9.3	10	11.80	34.1
R499109		12.39	0.014	0.36	7.29	30.2	2030	1.67	3.83	2.43	0.37	48.8	8.0	9	12.60	63.0
R499110		6.41	0.190	6.37	6.92	628	940	1.45	14.20	1.57	4.86	36.1	7.6	9	7.11	220
R499111		4.57	<0.005	0.04	0.07	0.5	30	0.06	0.05	19.05	0.10	1.56	1.0	1	0.17	2.3
R499112		5.04	0.081	1.68	7.18	246	1800	1.65	6.73	2.80	1.82	51.4	5.9	8	17.30	79.4
R499113		3.53	0.215	3.21	6.88	196.0	380	1.50	8.73	1.31	2.11	54.2	14.6	8	11.15	83.0
R499114		5.68	0.999	10.90	6.06	424	1290	1.29	26.5	1.05	3.53	36.2	9.8	10	6.12	426
R499115		5.28	0.042	0.81	6.58	69.8	2050	1.77	2.19	2.73	0.34	47.3	10.3	8	21.0	129.0
R499116		5.68	0.052	1.38	6.60	129.0	1590	1.61	2.84	2.55	0.84	48.0	10.6	9	11.05	39.2
R499117		3.28	0.127	2.07	7.01	134.5	620	1.62	3.46	1.26	1.93	52.1	4.4	9	10.20	85.9
R499118		0.32	0.354	4.85	6.53	628	900	1.57	3.89	2.00	11.15	50.9	13.4	25	13.40	312
R499119		5.14	9.24	19.35	3.74	9320	2000	0.93	27.7	1.84	10.10	22.1	28.4	8	8.99	198.5
R499120		4.56	<0.005	0.05	0.06	4.4	50	0.06	0.07	19.30	0.10	1.42	0.9	1	0.16	3.3
R499121		8.83	0.400	2.17	7.02	1900	1240	1.63	3.02	1.88	3.91	53.5	8.6	9	12.90	51.9
R499122		3.33	0.010	0.79	6.15	35.5	1940	1.45	1.93	6.88	0.43	57.2	4.6	7	13.15	30.0
R499123		2.30	<0.005	0.38	6.75	18.0	1380	1.50	0.79	3.27	0.22	50.5	4.9	8	12.95	11.9
R499124		4.91	0.008	0.89	6.95	41.8	1970	1.55	1.03	2.78	0.70	44.4	6.8	8	13.15	33.8
R499125		6.50	0.041	4.49	6.47	45.6	2420	1.68	37.1	3.66	0.72	24.7	9.9	10	9.50	194.5
R499126		4.00	0.018	0.26	7.08	16.6	3330	1.69	1.31	2.53	0.15	41.1	3.6	10	8.36	30.2
R499127		2.17	<0.005	0.21	7.56	9.6	2940	1.61	0.90	1.55	0.26	41.4	4.7	9	8.06	7.2
R499128		3.09	0.331	2.39	6.93	164.5	980	1.73	2.84	1.89	11.25	52.6	12.2	8	12.30	39.5
R499129		0.30	0.896	12.70	6.28	1330	1150	1.55	12.95	1.80	33.5	47.8	19.0	18	12.80	280
R499130		1.80	1.865	2.85	6.53	1260	570	1.62	2.98	0.57	2.94	37.8	7.3	9	10.35	69.5
R499131		2.24	0.340	1.89	6.71	311	430	1.65	2.55	0.69	3.88	48.4	8.3	10	9.64	27.3
R499132		3.32	0.016	0.27	7.03	19.1	3900	1.72	2.05	2.51	0.26	46.3	8.1	10	12.35	28.9

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 9-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15092138

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
R499097		3.40	14.95	0.16	1.0	0.519	2.74	30.3	21.6	0.80	1370	1.25	0.05	7.2	2.8	500
R499098		2.96	15.10	0.15	1.2	0.131	2.39	19.5	48.1	0.70	994	1.45	0.07	8.8	2.6	570
R499099		2.91	13.80	0.15	1.1	0.131	2.26	22.9	38.9	0.67	1100	1.35	0.06	7.8	2.1	510
R499100		6.13	14.20	0.16	1.0	0.436	3.03	22.7	8.2	0.70	1750	1.88	0.03	7.3	2.4	500
R499101		3.69	16.45	0.16	1.2	0.302	2.98	27.5	31.3	0.76	874	3.35	0.51	9.0	3.0	600
R499102		5.56	15.95	0.17	1.2	0.464	2.73	25.0	24.4	0.68	713	2.20	0.37	8.4	2.7	560
R499103		2.31	14.20	0.14	2.9	0.067	2.17	26.7	38.8	0.98	803	3.00	0.08	9.5	6.0	830
R499104		2.27	17.55	0.16	3.5	0.027	2.92	24.1	18.3	0.95	752	1.15	0.07	11.8	6.0	1000
R499105		2.38	18.25	0.17	3.6	0.027	2.90	27.5	20.3	0.97	904	2.30	0.07	12.1	6.7	1010
R499106		2.34	18.00	0.19	3.6	0.030	2.86	29.2	20.5	0.97	883	2.34	0.07	12.0	6.6	1010
R499107		4.71	17.25	0.18	1.7	0.272	3.04	25.5	12.8	0.66	1330	1.94	0.04	9.2	4.1	670
R499108		3.39	17.10	0.17	1.3	0.189	2.38	31.2	36.4	0.69	982	1.28	0.07	9.6	2.6	610
R499109		2.75	15.95	0.15	1.2	0.300	2.75	25.8	66.2	0.80	741	2.00	0.08	8.4	2.5	610
R499110		4.61	15.50	0.17	1.0	0.659	3.34	18.6	7.4	0.71	928	2.02	0.04	7.4	2.6	570
R499111		0.46	0.22	0.08	<0.1	<0.005	0.03	0.8	1.2	11.80	209	0.09	<0.01	0.2	1.6	170
R499112		3.24	15.90	0.20	1.2	0.379	3.05	28.0	8.1	1.06	1140	1.15	0.05	8.6	2.4	590
R499113		6.07	17.50	0.16	1.0	0.505	3.25	29.0	9.9	0.69	1020	2.47	0.05	6.2	5.4	540
R499114		7.71	14.85	0.15	1.0	0.597	2.92	18.9	6.3	0.61	1240	0.83	0.04	5.4	3.4	490
R499115		3.05	14.90	0.16	1.0	0.536	2.64	27.2	24.3	0.82	893	1.39	0.04	7.0	4.0	550
R499116		3.59	14.75	0.18	1.0	0.384	3.15	27.2	10.4	1.11	1120	4.63	0.04	6.9	2.5	520
R499117		4.29	16.75	0.16	1.5	0.404	3.35	28.6	6.3	0.70	979	2.20	0.05	7.8	2.4	550
R499118		4.82	15.65	0.17	1.1	0.305	2.83	29.1	28.0	0.76	1860	16.25	0.15	7.5	16.6	490
R499119		13.60	9.69	0.16	0.8	0.274	1.69	11.2	14.0	0.73	1420	5.45	0.03	3.7	5.2	280
R499120		0.46	0.19	0.06	<0.1	<0.005	0.02	0.7	1.0	11.90	205	0.13	0.01	0.1	1.4	170
R499121		4.62	16.00	0.15	1.4	0.461	3.08	30.3	11.9	0.88	1300	1.59	0.05	8.2	2.9	550
R499122		2.70	14.70	0.15	1.3	0.215	2.27	34.1	24.7	0.62	1360	3.28	0.05	7.3	2.7	530
R499123		3.17	16.15	0.14	1.3	0.218	2.03	27.1	58.4	0.93	1040	1.32	0.06	8.8	2.3	580
R499124		3.22	16.35	0.15	1.5	0.142	2.49	22.7	52.7	0.92	991	1.97	0.08	9.4	2.4	610
R499125		2.30	14.30	0.15	1.5	0.403	3.12	13.8	15.5	0.72	948	3.19	0.06	6.1	2.8	590
R499126		2.87	15.20	0.16	1.6	0.145	2.96	21.7	25.1	0.78	653	3.08	0.34	7.2	2.7	600
R499127		1.57	17.45	0.17	1.9	0.173	2.91	21.9	22.4	0.46	328	1.97	0.07	8.0	2.0	630
R499128		4.22	15.45	0.18	1.5	0.237	3.08	29.2	13.5	0.86	1630	2.05	0.07	8.2	2.4	560
R499129		6.20	15.50	0.19	1.3	0.819	2.72	25.6	21.6	0.74	1750	10.15	0.12	7.6	13.7	510
R499130		9.50	16.70	0.17	1.3	0.197	3.01	19.3	8.8	0.45	1040	5.03	0.03	7.2	3.1	470
R499131		5.61	16.20	0.16	1.5	0.162	3.19	26.0	6.5	0.48	1280	3.06	0.03	7.9	2.8	520
R499132		3.24	15.85	0.16	1.5	0.098	2.97	23.8	21.5	0.81	798	2.85	0.69	8.7	2.8	600

***** See Appendix Page for comments regarding this certificate *****

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Finalized Date: 9-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15092138

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
R499097		123.0	160.0	<0.002	1.80	79.5	10.4	2	3.5	121.0	0.55	0.75	11.9	0.209	2.54	2.8
R499098		59.9	86.0	<0.002	0.76	8.28	11.2	2	2.2	157.0	0.63	0.21	12.0	0.256	1.80	2.9
R499099		59.2	99.8	<0.002	0.80	6.65	10.5	2	2.0	221	0.55	0.22	12.3	0.229	1.69	2.9
R499100		287	186.0	<0.002	4.73	15.60	10.9	2	6.5	47.1	0.52	0.66	13.9	0.218	2.62	4.8
R499101		56.4	157.0	0.003	0.73	5.82	12.2	1	3.4	176.5	0.65	0.13	13.9	0.261	2.22	5.3
R499102		103.0	155.5	<0.002	3.62	11.00	11.7	1	5.3	131.0	0.61	0.38	13.6	0.248	2.13	4.1
R499103		76.2	94.9	<0.002	0.41	29.1	6.3	1	1.6	181.0	0.63	<0.05	10.1	0.238	1.84	7.2
R499104		12.9	94.6	<0.002	0.10	6.96	6.7	1	1.4	240	0.80	<0.05	9.6	0.285	2.73	3.8
R499105		11.3	109.5	<0.002	0.18	8.42	7.3	1	1.5	189.0	0.81	<0.05	10.6	0.287	2.78	4.1
R499106		10.5	114.5	<0.002	0.17	8.30	7.4	1	1.5	187.5	0.78	<0.05	10.9	0.281	2.67	4.1
R499107		361	166.0	<0.002	3.60	32.8	11.6	1	5.5	85.4	0.67	0.40	12.6	0.263	2.90	5.2
R499108		37.9	124.0	<0.002	0.59	8.18	12.9	1	3.7	107.5	0.78	0.19	17.0	0.271	1.95	4.4
R499109		27.4	130.5	<0.002	0.47	9.68	12.0	1	3.4	127.0	0.68	0.13	15.2	0.258	2.22	4.0
R499110		502	215	<0.002	3.84	20.3	11.2	1	7.6	51.0	0.55	0.83	13.2	0.217	2.89	4.3
R499111		2.2	1.6	<0.002	0.01	0.08	0.2	<1	<0.2	48.6	<0.05	<0.05	<0.2	<0.005	<0.02	0.7
R499112		75.6	167.0	<0.002	1.20	10.20	12.1	1	3.7	113.5	0.69	0.45	14.7	0.253	2.72	4.7
R499113		182.5	197.5	<0.002	5.25	12.20	11.2	1	9.1	53.9	0.48	0.88	12.1	0.199	2.63	4.2
R499114		205	188.5	<0.002	7.36	23.5	10.2	2	11.5	30.2	0.44	0.96	12.4	0.183	2.36	3.5
R499115		29.3	166.0	<0.002	0.86	21.7	11.5	1	8.1	100.0	0.54	0.34	12.6	0.235	2.49	8.0
R499116		51.1	211	<0.002	1.77	11.10	11.3	1	7.9	101.0	0.53	0.18	12.1	0.217	2.99	5.9
R499117		82.5	201	<0.002	2.92	14.80	11.5	1	10.5	48.7	0.68	0.24	17.0	0.228	2.83	4.5
R499118		480	163.5	0.004	2.62	30.9	10.3	2	5.7	108.5	0.58	0.30	14.4	0.204	2.65	5.5
R499119		2150	106.5	<0.002	>10.0	37.8	6.5	3	10.7	59.6	0.31	2.07	8.3	0.100	1.49	6.0
R499120		4.2	1.5	<0.002	0.01	0.10	0.2	<1	<0.2	49.0	<0.05	<0.05	<0.2	<0.005	<0.02	0.5
R499121		138.5	206	<0.002	2.34	13.00	11.5	1	7.5	66.6	0.67	0.48	17.5	0.230	3.01	5.5
R499122		22.8	135.0	<0.002	0.75	9.45	10.8	1	3.3	162.5	0.54	0.37	13.6	0.223	1.98	15.6
R499123		17.0	85.0	<0.002	0.22	7.79	11.4	1	4.7	197.0	0.69	0.05	14.5	0.263	1.57	4.3
R499124		35.6	90.7	<0.002	0.43	8.42	12.1	1	3.9	192.0	0.72	0.20	14.5	0.271	1.84	4.0
R499125		119.0	142.0	<0.002	0.84	6.81	11.8	1	4.5	141.5	0.51	0.41	12.8	0.203	2.73	6.4
R499126		18.8	121.5	<0.002	0.24	32.7	12.3	1	3.9	163.0	0.61	<0.05	14.9	0.253	1.92	4.0
R499127		22.3	127.0	<0.002	0.23	7.38	13.6	1	4.0	72.2	0.67	0.05	17.8	0.247	1.89	3.1
R499128		350	187.5	<0.002	2.46	11.25	11.8	1	4.7	68.2	0.65	0.18	15.8	0.235	2.74	5.0
R499129		1270	167.5	<0.002	4.43	58.1	10.2	2	8.0	97.3	0.60	1.06	14.3	0.205	2.73	5.6
R499130		121.0	187.5	0.002	9.42	26.3	10.7	1	10.4	19.9	0.55	0.30	13.4	0.214	3.05	6.2
R499131		167.0	206	<0.002	5.20	11.55	11.4	1	6.9	18.6	0.65	0.25	15.7	0.226	3.23	5.1
R499132		21.5	148.0	<0.002	0.87	5.71	12.2	1	3.0	355	0.65	0.29	13.8	0.263	2.10	3.9

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 9-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15092138

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	V	W	Y	Zn	Zr
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	1	0.1	0.1	2	0.5
R499097		66	3.2	15.1	217	27.7
R499098		67	2.9	14.8	94	31.5
R499099		60	2.8	17.8	98	28.2
R499100		60	6.0	9.1	487	27.4
R499101		71	2.3	15.5	154	30.0
R499102		65	3.2	13.1	149	30.2
R499103		49	1.6	12.4	236	107.0
R499104		58	1.5	11.8	52	128.5
R499105		59	1.6	13.3	46	132.5
R499106		57	1.6	13.3	47	133.0
R499107		72	5.2	12.2	793	53.3
R499108		75	3.1	17.3	69	34.1
R499109		73	2.5	14.5	58	29.6
R499110		60	4.9	9.9	372	27.7
R499111		2	0.1	0.9	17	<0.5
R499112		71	2.8	15.9	166	31.4
R499113		74	5.2	10.9	172	26.3
R499114		62	4.6	11.3	285	27.2
R499115		67	3.3	15.8	60	26.6
R499116		61	4.0	13.8	79	28.4
R499117		66	5.1	12.0	164	40.4
R499118		62	6.4	12.8	824	30.1
R499119		39	4.4	11.3	899	21.5
R499120		1	0.1	0.9	17	<0.5
R499121		67	4.4	14.0	317	40.4
R499122		64	4.1	22.6	68	35.2
R499123		69	3.4	15.8	65	37.5
R499124		73	5.0	15.0	91	41.4
R499125		72	3.6	12.8	69	41.3
R499126		73	2.4	13.7	49	44.5
R499127		84	3.4	13.7	49	48.0
R499128		67	4.0	12.4	762	47.9
R499129		58	7.0	12.4	2240	30.2
R499130		63	9.9	10.4	261	36.1
R499131		65	6.5	10.7	317	42.0
R499132		73	2.3	14.5	49	41.6

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: KLAZA

Finalized Date: 9-JUL-2015
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH15092138

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	ME-MS61

ALS Canada Ltd.

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 28-JUN-2015
Account: ROCKHA

CERTIFICATE WH15092708

Project: Klaza

P.O. No.: batch 2

This report is for 1 Drill Core sample submitted to our lab in Whitehorse, YT, Canada on 25-JUN-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
FND-02	Find Sample for Addn Analysis

ANALYTICAL PROCEDURES

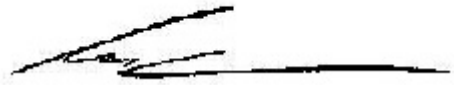
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA13	Au by cyanide leach and AAS	AAS

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature:



Colin Ramshaw, Vancouver Laboratory Manager

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To: **ROCKHAVEN RESOURCES LTD.**
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Finalized Date: 28-JUN-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15092708

Sample Description	Method / Analyte / Units / LOR	Au-AA13 Au ppm 0.03
R498730		0.79

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: Klaza

Finalized Date: 28-JUN-2015
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH15092708

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Applies to Method:	Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada. FND-02
Applies to Method:	Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada. Au-AA13

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To: **ROCKHAVEN RESOURCES LTD.**
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Finalized Date: 11-JUL-2015
Account: ROCKHA

CERTIFICATE WH15094118

Project: KLAZA

P.O. No.: BATCH 25

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 28-JUN-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21d	Sample logging - ClientBarCode Dup
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
SPL-21d	Split sample - duplicate
BAG-06	Double Bagging Coarse Rejects
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31d	Pulverize Split - duplicate

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
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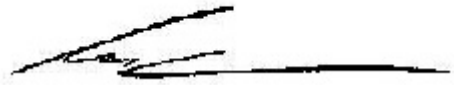
This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
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VANCOUVER BC V6B 1L8

Finalized Date: 11-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15094118

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
R499133		1.59	0.425	8.06	5.74	468	390	1.29	13.70	3.77	18.00	50.2	6.4	8	9.29	69.1
R499134		5.08	0.016	0.55	7.04	34.7	1580	1.60	1.15	2.60	0.81	39.2	7.5	13	16.25	19.3
R499135		4.10	<0.005	0.09	8.17	7.3	1780	1.49	0.88	1.45	0.12	37.5	9.0	11	10.30	12.0
R499136		2.07	<0.005	0.06	8.65	6.7	1740	1.55	0.62	1.04	0.08	46.9	7.0	12	11.00	9.8
R499137		4.16	0.027	0.96	7.61	63.4	1540	1.54	4.03	1.89	1.00	46.4	12.1	10	13.75	57.4
R499138		4.75	0.013	0.68	7.76	55.4	1910	2.04	0.27	1.66	1.63	59.0	6.2	33	30.7	18.7
R499139		5.37	0.041	1.84	7.42	101.0	1160	1.85	3.47	2.67	5.78	42.6	7.2	10	16.95	24.3
R499140		2.79	0.043	0.86	7.67	76.2	2230	1.67	2.60	2.12	3.22	44.7	8.2	10	14.80	9.5
R499141		5.73	0.033	1.11	7.81	82.4	1900	1.51	2.31	1.77	2.45	45.2	8.0	11	15.00	26.5
R499142		7.40	0.029	0.51	7.98	101.5	1870	1.56	1.50	2.08	1.46	42.6	6.4	10	19.10	17.4
R499143		0.32	0.876	11.80	6.77	1580	1060	1.44	12.95	1.90	32.7	46.5	18.1	19	14.25	281
R499144		3.02	0.159	10.60	7.60	556	1370	1.72	8.45	2.22	7.39	52.8	7.6	10	19.90	73.2
R499145		1.57	2.91	78.0	6.30	806	1020	1.27	46.1	0.55	46.5	36.7	29.5	8	11.05	332
R499146		4.19	<0.005	0.30	7.17	39.7	2000	2.35	0.42	2.56	0.79	54.1	5.1	13	18.55	5.7
R499147		<0.02	0.007	0.36	7.23	38.2	2050	2.39	0.47	2.61	0.79	54.5	5.1	13	18.65	5.6
R499148		3.62	0.645	2.56	7.63	154.5	1670	1.66	3.14	2.78	12.65	48.7	7.7	11	14.90	57.0
R499149		4.53	0.521	1.72	7.43	100.5	1150	1.71	8.33	3.07	3.31	45.5	10.7	10	18.20	48.8
R499150		2.75	0.329	2.23	6.30	178.0	220	1.39	12.80	1.45	3.99	43.4	30.9	10	11.60	136.5
R499151		4.56	<0.005	0.03	0.07	<0.2	20	<0.05	0.06	18.95	0.08	1.43	0.7	1	0.18	4.0
R499152		4.53	0.025	0.67	6.25	38.0	1730	1.38	5.56	2.70	0.99	39.8	10.6	9	15.95	26.6
R499153		2.99	0.057	5.38	6.20	96.7	340	1.33	94.4	3.00	0.73	38.7	7.4	9	17.20	140.0
R499154		2.24	0.007	0.26	6.43	22.0	2260	1.55	0.94	2.54	0.28	44.2	6.3	10	16.10	25.7
R499155		1.48	0.114	2.28	6.00	117.0	2340	1.52	3.94	3.77	8.27	40.6	8.3	10	24.4	151.5
R499156		2.96	0.010	0.36	6.81	21.9	2280	1.78	1.24	2.49	0.35	42.5	7.5	12	11.80	23.6
R499157		6.41	0.039	0.99	6.60	48.0	1770	1.69	3.67	2.95	0.44	47.1	7.7	10	22.0	58.8
R499158		1.79	0.188	5.87	5.55	125.0	1570	1.48	8.20	3.72	14.00	47.7	13.7	6	12.70	81.7
R499159		2.77	0.113	4.06	6.73	192.0	720	1.56	5.38	1.44	17.60	50.5	6.6	10	13.35	78.1
R499160		2.90	0.138	6.13	6.60	144.0	340	1.62	12.50	1.51	9.93	43.0	8.7	9	13.25	34.3
R499161		4.51	0.040	0.69	6.64	33.1	2240	1.74	3.07	2.34	2.88	46.5	8.2	10	15.50	23.4
R499162		3.53	0.022	0.63	6.56	57.8	1040	1.70	1.92	2.85	0.75	50.3	7.4	8	19.85	25.5
R499163		5.93	0.093	0.41	6.36	95.0	1290	1.72	0.38	3.08	0.62	47.5	5.9	8	25.2	20.7
R499164		4.50	<0.005	0.01	0.06	0.3	20	0.06	0.04	20.1	0.05	1.28	0.7	1	0.16	2.1
R499165		6.59	0.182	0.70	6.76	73.6	2250	1.35	1.30	2.62	1.23	48.5	10.5	9	18.25	42.4
R499166		0.33	0.328	4.79	6.10	682	450	1.33	3.72	2.01	10.95	46.9	12.9	24	14.35	306
R499167		3.04	0.033	0.41	6.61	54.7	2190	1.56	1.46	2.19	0.27	42.5	7.5	9	21.0	45.4
R499168		4.47	0.032	0.33	6.67	35.7	2190	1.73	1.66	2.27	0.16	45.6	11.2	10	11.95	47.2

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 11-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15094118

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
R499133		8.68	13.45	0.12	1.2	0.303	2.65	28.4	6.1	1.46	11000	3.60	0.03	5.5	2.1	450
R499134		3.69	15.80	0.13	1.7	0.112	2.77	19.2	19.8	0.94	1430	1.48	0.67	8.4	2.6	610
R499135		2.93	18.60	0.17	1.9	0.070	2.58	17.9	51.2	0.33	619	1.45	0.09	9.9	2.7	710
R499136		2.97	18.50	0.22	1.9	0.064	2.62	23.6	53.6	0.33	598	1.44	0.09	9.8	2.3	740
R499137		4.48	16.25	0.18	1.6	0.340	3.02	23.9	27.4	0.76	1160	1.71	0.12	7.8	2.2	640
R499138		2.33	20.4	0.24	4.2	0.034	2.91	30.5	25.4	0.81	573	1.78	0.08	10.6	21.5	730
R499139		3.14	16.70	0.21	1.2	0.165	2.92	21.1	59.3	0.80	1240	1.57	0.13	8.5	2.9	680
R499140		3.09	15.95	0.22	1.1	0.323	3.48	23.0	10.8	0.86	1020	2.96	0.05	7.8	3.0	610
R499141		3.19	17.30	0.20	1.1	0.172	2.81	22.6	36.8	0.66	926	3.20	0.08	8.9	3.4	650
R499142		3.03	17.90	0.23	1.1	0.141	1.87	21.5	72.1	0.69	804	4.38	0.04	9.4	2.6	700
R499143		6.62	15.10	0.17	1.1	0.794	2.88	24.9	18.6	0.78	1820	9.28	0.13	6.5	11.7	540
R499144		3.48	16.45	0.19	1.1	0.290	3.23	28.8	12.5	0.90	1220	1.56	0.05	8.3	2.7	600
R499145		10.45	14.30	0.14	0.9	0.618	2.81	19.6	7.9	0.39	423	2.78	0.04	5.9	2.4	450
R499146		2.44	18.65	0.19	2.6	0.038	2.63	26.7	28.4	0.74	693	1.27	0.07	13.1	2.4	950
R499147		2.43	19.00	0.22	2.6	0.037	2.64	26.9	29.9	0.75	689	1.27	0.07	13.2	2.4	950
R499148		3.78	16.90	0.22	0.9	0.294	3.25	25.3	12.3	1.06	1660	1.61	0.07	8.6	2.9	680
R499149		3.48	16.60	0.20	0.8	0.372	3.21	24.1	12.1	1.04	1140	1.86	0.06	7.9	2.6	640
R499150		5.69	16.45	0.12	0.9	0.233	2.73	22.1	8.2	0.68	698	2.73	0.05	6.2	7.7	520
R499151		0.43	0.22	0.09	<0.1	<0.005	0.03	0.7	1.2	11.85	186	0.21	<0.01	0.2	1.9	180
R499152		3.10	16.40	0.13	1.0	0.105	2.16	19.7	19.1	0.77	737	1.65	1.10	7.0	3.0	580
R499153		4.55	14.00	0.13	0.9	0.108	2.53	20.6	8.7	1.01	963	1.46	0.39	5.8	2.5	490
R499154		2.28	17.00	0.15	1.1	0.109	2.62	20.9	16.8	0.58	548	1.36	1.35	7.5	2.5	560
R499155		3.56	15.00	0.12	1.3	0.226	2.30	20.6	18.8	1.11	995	2.54	0.89	6.4	3.4	540
R499156		2.82	17.15	0.13	1.1	0.096	2.50	21.0	23.6	0.64	563	2.10	1.89	7.5	2.8	570
R499157		2.85	15.70	0.15	1.2	0.161	2.65	24.6	25.6	1.02	916	3.39	0.12	7.3	2.6	550
R499158		4.98	13.20	0.14	1.0	0.251	2.51	25.2	12.1	1.54	2380	2.05	0.04	4.8	4.0	420
R499159		3.99	15.95	0.14	1.1	0.548	3.10	27.4	7.1	0.72	1950	1.52	0.03	6.9	2.8	470
R499160		4.42	16.60	0.15	1.0	0.281	3.05	22.6	11.8	0.71	1410	2.48	0.04	6.3	2.6	490
R499161		3.25	16.05	0.15	1.2	0.162	2.74	23.8	33.1	0.79	873	1.61	0.16	7.5	2.6	580
R499162		3.11	15.50	0.17	1.5	0.178	2.88	27.5	33.9	0.84	1050	1.19	0.06	7.0	2.4	510
R499163		2.46	14.90	0.15	1.3	0.057	2.51	26.4	22.6	1.02	1910	4.51	0.06	6.5	2.4	510
R499164		0.45	0.18	0.11	<0.1	0.006	0.02	0.6	0.9	12.30	195	0.14	0.01	0.2	1.6	180
R499165		3.21	16.85	0.11	1.3	0.108	2.49	25.5	21.8	0.97	1320	3.95	0.05	7.4	2.9	560
R499166		4.90	16.00	0.13	1.2	0.319	2.72	25.7	25.5	0.74	1850	16.80	0.14	6.0	14.4	490
R499167		3.03	16.85	0.13	1.2	0.140	2.86	20.6	28.8	0.66	964	2.65	0.39	7.3	2.8	600
R499168		3.06	16.80	0.13	1.4	0.119	2.52	23.3	15.7	0.71	550	2.46	1.70	7.3	2.6	550

***** See Appendix Page for comments regarding this certificate *****

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 11-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15094118

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
R499133		648	182.5	<0.002	5.92	15.00	7.8	1	6.2	74.6	0.49	0.41	11.3	0.175	2.47	5.8
R499134		47.8	90.1	<0.002	0.44	6.65	10.9	1	3.0	167.5	0.67	0.13	11.7	0.259	1.85	4.7
R499135		16.1	86.4	<0.002	0.10	8.25	13.1	1	2.3	93.1	0.77	<0.05	12.6	0.300	1.08	3.0
R499136		14.9	95.0	<0.002	0.06	8.45	13.3	1	2.5	83.3	0.76	0.08	15.1	0.305	1.06	3.3
R499137		38.5	155.0	<0.002	1.75	13.85	11.7	1	3.5	81.4	0.60	0.32	12.5	0.262	2.15	4.9
R499138		44.3	101.0	<0.002	0.05	8.76	6.1	<1	1.9	151.5	0.78	<0.05	12.1	0.276	1.95	4.6
R499139		161.5	112.5	0.004	1.06	13.50	10.6	1	4.1	201	0.68	0.15	12.3	0.260	2.33	5.8
R499140		59.2	195.0	0.009	1.36	9.51	10.8	<1	4.7	129.5	0.60	0.16	13.7	0.230	3.15	4.1
R499141		61.3	93.3	0.005	0.57	11.30	11.4	1	3.1	141.5	0.68	0.13	12.7	0.263	1.68	2.9
R499142		42.5	77.0	0.010	0.30	14.20	11.8	1	2.4	154.0	0.70	0.13	11.8	0.275	1.43	2.6
R499143		1350	168.5	0.002	4.77	63.9	9.5	2	7.9	99.4	0.52	1.07	12.0	0.201	2.60	5.7
R499144		430	211	<0.002	2.01	28.4	11.0	1	4.4	140.5	0.67	0.55	14.1	0.238	2.93	3.8
R499145		1185	165.5	0.002	>10.0	58.8	8.4	2	20.5	40.3	0.45	3.33	9.0	0.184	2.14	2.3
R499146		30.9	68.1	<0.002	0.10	7.69	5.7	<1	1.6	250	0.84	<0.05	9.3	0.262	1.64	7.1
R499147		32.8	69.2	<0.002	0.09	7.85	5.7	1	1.7	254	0.83	<0.05	9.3	0.264	1.61	6.8
R499148		390	148.5	0.002	1.31	17.00	11.8	1	3.3	128.0	0.59	0.09	12.2	0.262	3.10	2.7
R499149		93.2	154.5	0.002	1.30	15.25	11.1	1	2.8	166.5	0.55	0.31	10.4	0.255	3.00	4.0
R499150		96.4	160.5	0.004	4.83	18.80	11.0	1	6.7	77.9	0.50	1.92	9.7	0.212	2.14	3.5
R499151		2.1	1.7	<0.002	<0.01	0.11	0.2	<1	<0.2	44.2	<0.05	<0.05	<0.2	<0.005	<0.02	0.4
R499152		68.2	79.9	0.002	0.66	7.26	10.0	1	1.8	299	0.64	0.18	10.0	0.242	1.42	3.7
R499153		120.5	151.5	0.002	3.11	16.35	8.6	2	1.7	213	0.55	1.74	10.7	0.200	2.42	4.4
R499154		21.3	121.5	<0.002	0.12	13.65	10.8	1	1.4	321	0.74	0.05	10.3	0.254	1.74	3.8
R499155		219	94.1	0.003	1.12	15.80	8.5	1	2.4	302	0.63	0.32	9.5	0.222	1.56	6.1
R499156		31.2	96.7	0.002	0.39	3.37	10.6	1	1.6	378	0.77	0.15	11.9	0.247	1.19	4.7
R499157		27.4	123.5	0.002	0.80	12.50	10.2	1	1.6	139.0	1.03	0.35	12.8	0.232	2.11	6.3
R499158		141.0	168.5	0.002	3.64	19.35	8.2	2	2.2	97.2	0.66	2.66	12.8	0.156	2.32	9.0
R499159		585	198.5	0.005	2.52	18.35	9.3	1	3.6	36.1	0.70	0.34	15.3	0.207	3.27	7.7
R499160		312	191.0	0.007	3.76	12.10	10.4	2	4.8	49.8	0.59	1.10	12.7	0.209	2.79	3.6
R499161		67.2	131.5	0.002	1.19	8.48	10.9	1	2.1	154.5	0.74	0.61	12.1	0.244	1.99	4.4
R499162		24.2	166.0	<0.002	1.57	10.30	9.7	1	2.3	102.0	0.78	0.28	16.0	0.211	2.47	5.1
R499163		39.7	111.5	0.004	0.73	8.91	9.8	<1	2.6	108.5	0.65	0.06	12.7	0.218	2.33	4.1
R499164		1.4	1.1	<0.002	<0.01	0.19	0.2	1	<0.2	45.0	<0.05	<0.05	<0.2	<0.005	<0.02	0.5
R499165		45.5	106.5	0.006	0.82	10.30	10.3	1	2.7	123.5	0.77	0.25	13.2	0.236	2.11	3.7
R499166		473	150.0	0.005	2.58	30.0	9.5	1	5.8	106.5	0.57	0.29	11.6	0.200	2.60	5.6
R499167		19.8	116.5	0.002	0.73	6.97	10.9	1	2.7	153.0	0.61	0.13	10.9	0.255	2.18	3.8
R499168		17.6	102.5	<0.002	0.67	3.39	10.6	1	2.3	330	0.73	0.48	12.7	0.231	1.53	4.6

***** See Appendix Page for comments regarding this certificate *****

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 11-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15094118

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	V	W	Y	Zn	Zr
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	1	0.1	0.1	2	0.5
R499133		54	11.5	10.4	1570	35.0
R499134		78	2.3	14.7	112	47.4
R499135		88	9.9	14.6	41	55.2
R499136		89	13.1	16.4	37	56.7
R499137		79	3.7	14.1	115	44.8
R499138		55	1.3	12.9	668	163.5
R499139		76	2.0	13.5	760	31.5
R499140		69	2.7	14.3	842	28.7
R499141		77	4.0	14.2	490	32.2
R499142		79	2.3	15.6	213	30.0
R499143		63	6.0	12.0	2370	31.1
R499144		70	4.4	13.9	618	26.0
R499145		59	5.1	8.9	2500	24.6
R499146		53	2.0	11.7	200	90.2
R499147		53	2.1	11.8	196	91.2
R499148		77	3.1	14.9	945	28.2
R499149		75	2.7	15.4	283	21.7
R499150		65	6.2	12.4	333	20.5
R499151		2	<0.1	0.9	14	<0.5
R499152		69	1.5	13.9	165	23.8
R499153		54	1.9	13.6	104	21.7
R499154		73	0.9	14.4	126	24.9
R499155		60	1.1	14.0	594	32.7
R499156		69	0.8	15.0	93	26.3
R499157		64	1.9	14.2	79	27.4
R499158		48	2.2	12.3	732	26.0
R499159		58	4.7	11.3	1300	25.4
R499160		62	3.3	10.7	843	24.2
R499161		68	1.5	14.8	270	26.3
R499162		59	2.1	15.0	107	37.5
R499163		61	5.9	15.3	76	32.9
R499164		2	<0.1	0.8	14	<0.5
R499165		68	4.4	15.3	121	33.4
R499166		64	5.5	12.1	835	31.3
R499167		71	3.2	14.3	62	32.1
R499168		68	1.2	14.0	47	36.2

***** See Appendix Page for comments regarding this certificate *****

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: KLAZA

Finalized Date: 11-JUL-2015
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH15094118

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	ME-MS61

ALS Canada Ltd.

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VANCOUVER BC V6B 1L8

Finalized Date: 13-JUL-2015
Account: ROCKHA

CERTIFICATE WH15094119

Project: KLAZA

P.O. No.: BATCH 26

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 28-JUN-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21d	Sample logging - ClientBarCode Dup
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
SPL-21d	Split sample - duplicate
BAG-06	Double Bagging Coarse Rejects
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31d	Pulverize Split - duplicate

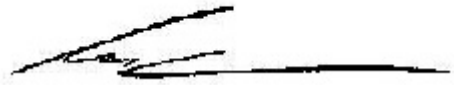
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Pb-OG62	Ore Grade Pb - Four Acid	VARIABLE
Zn-OG62	Ore Grade Zn - Four Acid	VARIABLE
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	
Ag-OG62	Ore Grade Ag - Four Acid	VARIABLE
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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Finalized Date: 13-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15094119

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
R498561		3.24	0.006	0.28	6.47	25.7	1310	1.46	0.28	1.97	0.28	44.3	6.5	8	17.90	23.7
R498562		2.64	0.406	1.61	5.35	864	740	1.38	0.26	2.69	1.37	38.5	7.8	6	19.25	7.4
R498563		6.09	0.054	0.57	6.42	172.0	1240	1.44	1.02	2.30	0.30	43.1	7.1	8	17.40	47.9
R498564		3.07	0.047	0.42	6.41	148.5	1240	1.48	0.61	2.10	0.26	41.2	6.9	9	17.95	44.3
R498565		7.65	<0.005	0.12	7.00	7.4	2160	1.59	0.29	2.59	0.18	46.3	7.3	12	14.70	18.2
R498566		3.02	<0.005	0.16	7.31	15.1	1830	1.27	0.30	1.18	0.20	51.6	6.0	10	17.95	23.8
R498567		1.68	<0.005	0.25	5.84	19.8	1190	1.21	0.29	1.93	0.30	36.3	7.1	8	15.35	14.7
R498568		4.20	<0.005	0.10	6.79	5.7	2080	1.59	0.21	2.40	0.15	42.1	7.4	10	15.25	12.6
R498569		0.29	0.896	12.75	6.26	1485	840	1.46	12.55	1.77	32.9	46.7	18.5	19	13.95	286
R498570		2.78	0.161	8.35	6.47	177.5	2070	1.70	1.04	2.29	3.94	39.3	7.6	8	16.25	382
R498571		3.87	0.196	63.7	6.39	915	1040	1.63	0.22	2.27	59.8	50.9	8.1	11	16.80	92.4
R498572		4.54	<0.005	0.06	0.07	0.9	60	0.07	0.04	19.35	0.11	1.23	0.8	1	0.23	3.1
R498573		5.25	0.025	3.06	6.58	156.0	1090	1.68	0.20	2.15	4.42	41.6	7.1	10	17.00	26.9
R498574		3.63	0.005	1.52	6.58	19.2	1760	1.66	0.58	3.77	1.41	46.2	7.1	7	17.05	22.5
R498575		2.22	0.466	8.29	6.88	1100	580	1.72	0.22	2.07	2.58	51.7	7.9	7	16.00	34.2
R498576		4.01	0.835	3.17	6.90	705	2150	1.63	0.63	1.80	0.82	49.6	15.2	8	13.40	19.5
R498577		8.13	0.027	2.23	6.54	93.8	1690	1.54	0.31	2.49	0.26	43.0	5.7	10	12.20	35.2
R498578		<0.02	0.027	2.44	6.25	98.4	1720	1.68	0.32	2.47	0.27	38.8	6.1	10	12.10	34.8
R498579		1.47	0.787	29.1	6.15	1520	860	1.35	0.76	3.50	3.63	53.0	6.1	7	13.00	97.7
R498580		3.69	0.006	0.21	7.20	18.9	1480	1.36	0.19	1.44	0.18	47.3	6.7	9	18.35	12.6
R498581		3.61	<0.005	0.16	6.55	6.3	2140	1.66	0.31	2.60	0.17	40.7	7.1	9	13.80	16.3
R498582		1.43	0.018	0.57	6.46	85.4	1340	1.73	0.26	2.29	1.12	38.5	7.6	7	23.6	15.0
R498583		1.42	<0.005	0.15	6.43	6.5	1910	1.55	0.38	2.15	0.15	44.3	6.8	8	27.0	13.1
R498584		4.08	<0.005	0.14	6.76	7.2	2130	1.78	0.61	2.59	0.12	42.0	7.5	10	20.5	23.5
R498585		4.20	1.250	63.3	5.52	823	720	1.48	1.27	0.96	82.0	38.0	14.0	8	15.70	1950
R498586		1.18	0.168	7.54	3.27	247	200	1.24	0.43	3.48	3.71	24.4	7.3	6	12.90	273
R498587		4.58	<0.005	0.08	0.07	0.9	20	0.08	0.03	19.75	0.17	1.18	0.8	1	0.24	3.6
R498588		5.01	0.025	1.14	6.83	61.4	2070	1.31	0.55	1.44	2.82	41.7	8.0	10	21.2	137.5
R498589		10.22	<0.005	0.22	7.42	14.8	2180	1.63	0.52	1.73	0.36	48.6	8.0	10	22.9	19.4
R498590		4.19	0.005	1.06	6.99	64.3	1460	1.44	0.59	1.14	1.79	50.3	8.6	7	19.95	456
R498591		0.30	1.635	41.1	5.49	2330	590	1.17	36.2	1.58	45.0	37.5	17.3	22	10.35	1180
R498592		3.52	0.184	22.2	3.85	322	520	1.29	1.22	1.99	6.18	31.6	8.7	7	15.05	971
R498593		3.49	0.005	1.21	7.01	86.3	2030	1.55	0.74	1.10	0.54	43.9	7.5	8	17.80	118.0
R498594		4.34	<0.005	0.35	7.22	21.6	2130	1.61	0.40	2.44	0.32	49.7	7.3	10	11.70	18.0
R498595		2.39	0.024	0.74	6.94	134.5	2320	1.52	0.34	2.42	1.92	43.1	7.5	7	15.90	24.8
R498596		1.50	1.495	>100	3.76	426	540	1.15	0.44	1.86	134.0	25.5	6.7	6	10.35	1110

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 13-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15094119

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
R498561		2.31	16.65	0.10	1.4	0.039	2.78	22.1	94.3	0.56	1540	1.12	0.28	8.4	2.5	550
R498562		2.87	12.55	0.09	1.0	0.031	2.08	21.8	35.5	0.83	3950	1.58	0.02	6.1	2.6	390
R498563		2.73	16.15	0.10	1.1	0.084	2.85	22.4	67.1	0.75	2090	1.13	0.09	7.7	2.6	550
R498564		2.67	16.60	0.09	1.1	0.068	2.91	21.1	62.4	0.67	2000	0.97	0.06	8.0	2.5	580
R498565		2.92	18.05	0.11	1.3	0.063	2.82	23.3	18.8	0.72	767	1.19	1.64	8.8	2.7	590
R498566		2.83	17.95	0.14	1.3	0.063	2.94	28.2	46.1	0.61	900	0.85	0.17	8.4	3.5	550
R498567		1.73	13.90	0.09	1.0	0.031	2.05	19.3	213	0.61	938	0.65	0.06	6.3	2.2	420
R498568		2.73	17.75	0.10	1.1	0.041	2.67	20.6	38.1	0.71	660	1.17	1.69	8.5	2.6	570
R498569		6.21	16.40	0.13	1.1	0.854	2.78	25.2	20.6	0.75	1780	8.69	0.12	6.8	12.5	500
R498570		3.29	16.60	0.11	1.1	0.188	3.02	19.3	23.1	0.70	2310	2.24	1.07	7.9	2.6	500
R498571		2.80	15.75	0.11	1.2	0.225	2.59	28.7	55.4	0.80	5170	2.70	0.03	8.0	2.6	490
R498572		0.45	0.26	<0.05	<0.1	<0.005	0.02	0.6	1.3	12.30	222	0.11	0.01	0.2	1.5	160
R498573		2.65	17.00	0.11	1.2	0.059	2.97	20.9	56.6	0.72	3550	2.03	0.07	8.3	2.4	550
R498574		2.48	15.25	0.11	1.1	0.066	2.11	25.0	126.0	1.25	2180	1.96	0.02	7.8	2.1	530
R498575		3.40	17.40	0.13	1.1	0.066	3.00	27.6	37.4	0.69	3710	2.96	0.03	8.5	2.5	580
R498576		3.08	17.35	0.12	1.3	0.078	3.60	26.7	25.9	0.77	2530	1.84	0.12	8.3	2.7	570
R498577		2.68	16.45	0.11	1.3	0.067	2.53	20.9	16.7	0.77	1370	1.78	1.64	8.4	2.4	510
R498578		2.74	16.55	0.08	1.2	0.071	2.50	18.5	16.1	0.73	1380	2.01	1.67	8.4	2.4	520
R498579		3.61	15.25	0.12	1.1	0.134	2.88	30.2	17.4	0.96	14050	1.06	0.02	7.4	2.2	470
R498580		2.82	17.90	0.11	1.4	0.059	2.89	24.2	39.3	0.64	1480	1.41	0.09	9.2	2.5	600
R498581		2.62	17.35	0.11	1.2	0.048	2.69	19.5	17.1	0.68	654	2.83	2.15	8.5	2.5	550
R498582		2.53	17.20	0.12	1.1	0.047	3.33	19.4	101.5	0.72	1900	1.07	0.26	8.2	2.6	530
R498583		2.66	17.40	0.10	1.6	0.050	2.69	21.0	31.1	0.54	911	1.24	0.95	9.7	2.0	560
R498584		2.66	17.30	0.10	1.5	0.040	2.63	21.0	15.6	0.71	646	1.44	1.99	8.8	2.4	520
R498585		4.29	15.05	0.10	0.9	0.463	2.26	20.7	48.7	0.29	24000	3.53	0.03	6.6	3.1	380
R498586		2.68	8.29	0.06	0.7	0.163	1.32	14.0	40.8	0.78	4520	1.34	0.02	3.7	1.9	200
R498587		0.47	0.29	<0.05	<0.1	<0.005	0.03	0.6	1.2	12.55	235	0.09	0.01	0.2	1.6	180
R498588		2.91	17.85	0.11	1.3	0.112	2.91	20.8	29.0	0.22	1700	1.56	0.17	8.7	2.6	540
R498589		2.94	18.70	0.13	1.7	0.058	2.97	24.9	46.4	0.47	871	2.37	0.71	9.8	2.9	610
R498590		2.72	16.95	0.11	1.4	0.119	2.67	27.7	99.3	0.38	2000	17.50	0.06	8.3	2.5	540
R498591		8.51	14.80	0.12	0.9	1.595	2.48	19.8	16.4	0.65	2170	16.60	0.06	5.0	14.7	420
R498592		2.53	9.84	0.08	0.7	0.171	1.49	18.2	59.5	0.33	5530	3.18	0.02	4.3	2.2	260
R498593		2.59	17.65	0.12	1.4	0.069	3.15	22.9	52.1	0.20	2320	1.76	0.08	8.8	2.4	550
R498594		2.70	16.50	0.12	1.4	0.042	2.66	25.1	18.4	0.70	837	1.93	2.24	8.4	3.7	560
R498595		2.88	16.80	0.14	1.3	0.055	3.41	21.2	24.9	0.61	2780	1.97	0.45	8.5	3.0	550
R498596		2.94	8.93	0.09	0.6	2.91	1.65	14.5	32.0	0.57	9320	2.88	0.03	3.8	2.4	230

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 13-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15094119

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
R498561		44.2	110.5	<0.002	0.23	21.1	10.2	1	2.1	137.0	0.74	<0.05	11.8	0.238	1.83	4.1
R498562		48.3	127.0	<0.002	2.02	50.6	8.4	1	1.9	88.9	0.57	<0.05	10.7	0.173	2.40	5.3
R498563		40.9	129.5	<0.002	0.56	26.3	10.6	1	5.5	128.0	0.63	<0.05	11.7	0.234	2.42	3.8
R498564		30.6	129.0	<0.002	0.50	26.6	10.7	1	4.3	124.0	0.64	<0.05	11.5	0.239	2.52	3.6
R498565		38.4	120.0	<0.002	0.03	4.90	11.4	1	2.4	292	0.73	<0.05	12.3	0.259	1.49	3.8
R498566		25.8	150.0	<0.002	0.10	17.15	11.2	<1	2.1	96.2	0.70	<0.05	14.7	0.240	1.89	4.9
R498567		24.2	82.0	<0.002	0.19	37.0	8.3	1	1.6	129.5	0.53	<0.05	9.8	0.193	2.72	3.1
R498568		30.7	105.5	<0.002	0.02	5.78	10.7	<1	2.0	300	0.69	<0.05	10.9	0.251	1.46	3.4
R498569		1260	177.5	0.002	4.48	64.3	10.0	2	8.2	101.5	0.56	1.36	12.2	0.200	2.66	5.3
R498570		192.0	132.5	<0.002	0.72	102.0	10.1	<1	2.7	218	0.67	<0.05	10.4	0.229	1.99	5.4
R498571		529	160.0	<0.002	0.97	110.5	11.5	1	3.1	139.0	0.71	<0.05	15.2	0.223	2.63	9.0
R498572		2.1	1.5	<0.002	<0.01	0.40	0.2	<1	<0.2	54.5	<0.05	<0.05	<0.2	<0.005	0.02	0.4
R498573		262	130.0	<0.002	0.31	34.0	11.1	<1	2.0	129.5	0.69	<0.05	11.9	0.242	2.48	3.4
R498574		123.5	105.0	0.002	0.23	36.1	10.6	1	2.0	302	0.63	<0.05	12.8	0.226	2.58	5.7
R498575		68.4	163.0	0.002	2.27	68.4	12.7	1	3.2	137.5	0.69	<0.05	13.6	0.255	2.92	7.3
R498576		50.6	176.5	0.002	0.79	30.2	11.3	1	2.4	121.5	0.72	<0.05	14.1	0.242	2.70	4.7
R498577		27.2	116.0	<0.002	0.27	16.15	10.1	1	3.5	287	0.73	<0.05	11.8	0.231	1.57	4.9
R498578		23.5	108.5	0.002	0.28	16.30	9.7	1	3.6	292	0.71	<0.05	10.4	0.233	1.64	4.7
R498579		260	245	<0.002	2.41	126.5	10.1	1	4.8	84.2	0.63	<0.05	12.9	0.205	2.73	7.1
R498580		21.0	134.0	0.002	0.17	23.1	12.0	<1	2.6	108.0	0.78	<0.05	13.1	0.268	1.97	6.2
R498581		29.1	105.0	<0.002	0.01	3.02	10.1	1	2.2	386	0.69	<0.05	11.4	0.245	1.24	3.1
R498582		131.0	148.0	<0.002	0.45	26.7	10.1	<1	2.1	167.5	0.66	<0.05	11.7	0.235	2.46	5.8
R498583		31.9	118.5	<0.002	0.03	14.45	11.9	1	2.6	214	0.93	<0.05	12.2	0.253	1.64	5.0
R498584		24.1	119.0	<0.002	0.04	3.96	10.4	<1	2.1	352	0.81	<0.05	11.9	0.235	1.43	4.2
R498585		185.5	151.0	<0.002	1.04	385	9.5	1	2.5	137.0	0.49	<0.05	10.2	0.187	2.95	6.6
R498586		60.6	89.2	<0.002	0.71	145.0	6.2	<1	1.6	78.1	0.31	<0.05	7.3	0.103	1.54	3.9
R498587		1.7	1.3	<0.002	<0.01	0.54	0.2	<1	<0.2	49.6	<0.05	<0.05	<0.2	<0.005	<0.02	0.6
R498588		56.9	148.5	<0.002	0.03	36.7	10.7	1	2.7	91.2	0.75	<0.05	13.0	0.253	1.98	3.0
R498589		25.2	148.0	<0.002	0.02	18.05	11.7	1	2.7	179.5	0.87	<0.05	15.0	0.264	1.94	3.6
R498590		60.8	157.0	0.003	0.05	29.5	10.6	1	2.4	120.0	0.72	<0.05	15.6	0.235	2.13	4.5
R498591		1585	159.5	0.002	7.47	101.5	8.6	2	11.0	66.0	0.42	0.71	9.9	0.159	2.28	5.5
R498592		218	99.7	<0.002	0.35	188.5	5.8	<1	3.0	86.5	0.36	<0.05	8.4	0.124	1.66	9.8
R498593		24.9	169.5	<0.002	0.12	38.9	10.7	1	1.7	98.0	0.77	<0.05	13.7	0.242	2.38	4.0
R498594		32.5	108.5	<0.002	0.02	3.97	10.3	1	1.7	352	0.72	<0.05	13.5	0.239	1.30	3.4
R498595		139.5	145.5	<0.002	0.53	20.7	9.7	<1	2.1	146.5	0.70	<0.05	12.2	0.240	2.42	4.3
R498596		>10000	86.0	<0.002	3.39	1220	5.5	<1	1.3	44.5	0.32	<0.05	7.2	0.119	1.84	4.9

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Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Ag-OG62	Pb-OG62	Zn-OG62
	Analyte	V	W	Y	Zn	Zr	Ag	Pb	Zn
	Units	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	LOR	1	0.1	0.1	2	0.5	1	0.001	0.001
R498561		66	4.0	14.7	54	35.3			
R498562		48	10.4	12.9	123	25.3			
R498563		63	5.0	15.2	62	27.8			
R498564		65	5.4	14.7	58	29.0			
R498565		70	2.5	17.1	60	34.2			
R498566		66	3.3	15.4	60	32.8			
R498567		53	3.5	11.7	51	24.9			
R498568		70	2.1	16.2	55	30.5			
R498569		59	6.2	12.0	2320	30.5			
R498570		63	4.1	14.6	604	29.0			
R498571		63	8.6	16.2	5810	31.2			
R498572		2	0.1	0.8	24	<0.5			
R498573		66	6.0	14.9	510	31.8			
R498574		62	8.9	15.9	182	28.2			
R498575		74	6.7	15.7	235	29.5			
R498576		68	3.8	15.7	109	30.8			
R498577		63	2.1	15.6	68	34.1			
R498578		64	2.0	14.9	69	30.5			
R498579		55	5.5	18.8	608	29.5			
R498580		73	4.2	16.4	61	34.5			
R498581		67	15.9	15.4	50	30.8			
R498582		65	3.7	14.4	139	29.6			
R498583		71	2.2	17.4	50	39.2			
R498584		64	2.1	16.4	46	35.6			
R498585		58	12.0	13.2	5410	22.8			
R498586		40	4.3	10.9	720	16.9			
R498587		2	0.1	0.8	24	0.5			
R498588		70	4.9	15.2	468	35.5			
R498589		72	4.1	17.7	95	42.5			
R498590		63	5.0	15.3	266	35.0			
R498591		53	7.7	9.5	3190	24.8			
R498592		37	7.5	11.0	496	19.1			
R498593		65	5.2	14.9	113	34.6			
R498594		64	1.9	16.9	83	36.5			
R498595		66	3.4	15.4	276	35.1			
R498596		41	3.3	9.3	>10000	16.3	198	7.86	1.370

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

2103 Dollarton Hwy
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Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: KLAZA

Finalized Date: 13-JUL-2015
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH15094119

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Ag-OG62	Au-AA24	ME-MS61	ME-OG62
Pb-OG62	Zn-OG62		

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 13-JUL-2015
Account: ROCKHA

CERTIFICATE WH15094120

Project: KLAZA

P.O. No.: BATCH 27

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 28-JUN-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21d	Sample logging - ClientBarCode Dup
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
SPL-21d	Split sample - duplicate
BAG-06	Double Bagging Coarse Rejects
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31d	Pulverize Split - duplicate

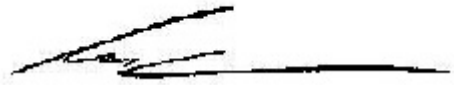
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 13-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15094120

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
R499169		8.89	0.073	0.88	6.73	76.4	1960	1.46	1.82	2.40	0.95	48.0	9.3	11	14.65	84.0
R499170		9.71	0.042	0.75	6.67	54.9	2120	1.46	1.85	2.31	0.85	42.7	9.6	12	14.05	65.4
R499171		2.14	0.074	1.30	7.55	109.5	2100	1.49	1.12	2.66	2.66	56.4	4.4	8	19.05	179.0
R499172		2.59	0.256	3.53	6.68	241	970	1.32	2.78	2.17	41.1	55.5	14.7	9	13.25	48.1
R499173		11.69	0.028	0.37	7.01	31.6	2590	1.64	2.44	2.19	0.17	41.5	7.6	11	12.75	113.0
R499174		<0.02	0.025	0.42	6.96	31.9	2620	1.61	2.95	2.22	0.20	40.8	7.3	11	12.75	121.0
R499175		5.18	0.235	5.52	7.11	338	1430	1.34	44.0	1.95	1.57	28.8	8.5	10	8.86	916
R499176		4.23	0.022	0.21	6.48	23.9	1820	1.41	1.69	2.07	0.14	35.9	5.9	9	14.40	61.3
R499177		0.30	0.367	4.39	6.64	711	990	1.50	3.57	2.02	10.80	48.5	12.5	25	13.95	307
R499178		6.55	0.154	0.57	6.64	65.8	1810	1.31	1.42	4.02	0.37	49.8	6.9	7	19.20	50.3
R499179		4.09	0.467	2.83	6.46	118.5	1300	1.46	4.03	3.78	3.96	38.7	5.2	7	16.20	129.5
R499180		4.50	<0.005	0.03	0.16	0.3	40	0.10	0.06	20.9	0.06	1.39	1.4	4	0.32	1.9
R499181		4.81	0.048	0.46	6.59	33.6	1630	1.35	5.37	2.47	0.39	41.4	8.2	8	16.70	56.0
R499182		9.18	0.035	0.47	6.51	35.8	2130	1.35	2.08	2.75	0.62	40.3	6.7	9	16.80	38.0
R499183		2.99	0.025	0.76	6.86	44.3	1400	1.55	1.41	2.51	4.06	41.1	7.3	8	16.90	33.4
R499184		5.73	0.067	0.67	7.12	86.7	2360	1.74	0.22	3.62	1.99	58.1	7.0	16	16.75	16.9
R499185		3.42	2.02	24.9	6.97	356	930	1.75	17.60	2.33	13.95	57.3	7.1	13	16.95	37.5
R499186		1.16	0.698	5.66	5.67	280	460	2.46	1.46	2.75	43.7	37.2	6.3	6	26.2	70.7
R499187		4.47	<0.005	0.06	0.10	1.1	20	0.07	0.08	21.2	0.11	1.84	0.8	1	0.23	1.7
R499188		4.21	0.055	0.67	7.46	74.2	1290	1.39	0.96	3.02	0.99	49.4	6.5	9	18.75	27.1
R499189		3.82	0.037	0.60	7.02	38.5	1790	1.36	0.49	2.84	0.98	42.7	6.5	8	23.1	28.0
R499190		7.45	0.082	3.46	6.94	1205	1500	1.25	1.95	2.24	15.30	55.4	5.9	10	14.30	40.2
R499191		0.30	0.954	11.50	6.50	1570	790	1.41	12.35	1.87	33.2	46.7	18.1	20	14.35	285
R499192		2.13	0.087	17.95	6.73	5040	950	1.34	3.76	1.99	86.2	47.4	5.2	8	13.25	88.9
R499193		6.34	<0.005	0.22	6.68	48.0	2080	1.50	0.28	2.78	0.61	40.0	4.8	11	20.8	6.0
R499194		3.89	<0.005	0.20	6.32	18.8	1880	1.43	0.24	2.78	0.27	37.1	4.6	9	20.1	7.5
R499195		4.84	0.062	4.05	6.48	1865	940	1.47	1.59	2.53	18.55	43.1	5.6	8	17.25	48.4
R499196		5.48	0.290	14.55	7.01	6450	940	1.41	10.40	2.41	36.8	46.4	5.6	9	14.90	120.0
R499197		6.19	0.039	2.84	7.48	59.6	1750	1.52	6.14	2.21	2.07	35.7	6.5	10	14.35	14.7
R499198		5.86	0.084	4.88	7.05	129.0	1760	1.45	4.85	1.91	10.00	33.1	9.7	8	14.85	117.0
R499199		4.35	0.366	20.2	6.42	854	670	1.44	27.1	1.11	8.40	28.5	7.2	10	11.75	171.5
R499200		7.78	0.042	2.33	7.63	439	1350	1.45	2.46	1.91	7.48	43.6	6.8	9	12.85	67.4
R499801		2.07	0.135	6.01	7.21	454	1370	1.54	5.31	1.17	24.0	27.7	15.9	9	27.7	67.3
R499802		3.58	0.077	3.58	7.62	140.5	1740	1.18	3.36	1.38	12.20	23.1	14.5	8	7.01	51.2
R499803		3.55	0.389	14.20	6.51	3970	1150	1.28	4.33	1.11	93.9	32.6	15.8	10	7.77	104.0
R499804		8.88	0.037	1.20	6.33	80.6	2400	1.67	0.40	3.15	7.73	52.5	6.1	16	16.35	15.7

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 13-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15094120

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
R499169		2.90	15.70	0.11	1.2	0.204	3.04	24.7	13.5	0.73	892	3.97	0.89	7.3	10.2	560
R499170		3.12	15.40	0.13	1.2	0.172	2.96	21.3	14.5	0.78	962	3.64	1.17	7.4	3.1	590
R499171		2.93	15.85	0.14	1.3	0.217	3.60	30.0	10.2	1.00	3070	1.53	0.12	7.9	2.3	580
R499172		6.24	14.15	0.14	1.1	0.742	3.19	30.6	7.0	0.88	2680	1.35	0.05	6.4	2.6	510
R499173		2.84	15.90	0.11	1.3	0.194	3.16	20.4	20.2	0.67	579	2.14	1.20	8.1	2.5	580
R499174		2.83	15.85	0.11	1.3	0.201	3.17	19.9	21.4	0.66	569	2.39	1.21	8.1	2.6	600
R499175		5.13	15.45	0.10	1.2	0.895	3.28	15.0	8.1	0.84	616	3.22	0.10	6.1	2.2	570
R499176		2.54	16.10	0.11	1.2	0.143	2.73	16.7	52.6	0.52	599	1.32	0.12	8.1	2.6	640
R499177		5.03	15.30	0.10	1.1	0.314	2.95	25.8	23.8	0.77	1910	13.80	0.16	6.4	15.2	520
R499178		2.82	14.25	0.12	1.1	0.122	2.71	26.3	13.7	1.38	1180	2.47	0.06	7.2	2.5	540
R499179		2.87	13.30	0.10	1.0	0.241	2.92	20.7	10.9	1.26	6930	6.00	0.05	5.8	2.4	520
R499180		0.47	0.38	0.13	<0.1	0.008	0.05	0.6	1.6	13.10	222	0.22	0.01	0.2	2.9	190
R499181		2.84	15.20	0.12	1.2	0.161	2.55	20.3	24.4	0.76	1010	1.34	0.07	7.5	2.4	570
R499182		2.80	15.35	0.11	1.2	0.152	2.76	20.0	24.4	0.77	819	9.69	0.08	7.9	2.2	560
R499183		3.32	15.55	0.10	1.1	0.219	3.25	20.1	19.7	0.82	1220	1.34	0.08	8.0	2.3	580
R499184		2.56	17.05	0.13	3.4	0.064	3.17	29.7	13.8	1.19	1840	1.69	0.05	9.7	5.9	1020
R499185		2.93	17.40	0.11	2.9	0.093	2.92	30.2	17.7	0.79	6760	2.06	0.04	9.1	5.1	870
R499186		3.14	14.20	0.09	1.3	0.896	2.09	17.9	31.7	0.60	5620	4.40	0.03	6.9	3.2	530
R499187		0.49	0.32	0.11	<0.1	0.007	0.04	0.9	1.0	13.20	241	0.09	<0.01	0.2	1.7	220
R499188		3.34	16.85	0.14	1.2	0.173	3.22	25.4	10.1	1.08	1980	3.21	0.21	7.5	2.4	670
R499189		2.75	15.95	0.11	1.5	0.140	3.03	21.0	19.0	0.84	1360	6.50	0.20	8.0	2.4	640
R499190		3.77	14.95	0.09	1.3	0.466	2.91	29.5	12.6	0.92	1420	0.79	0.17	6.7	2.7	560
R499191		6.59	15.40	0.10	1.1	0.777	2.89	23.4	16.3	0.77	1860	8.75	0.13	6.6	12.9	530
R499192		4.41	14.95	0.09	1.4	0.751	3.26	25.9	8.6	0.83	2550	1.78	0.08	6.3	2.3	530
R499193		2.83	15.95	0.10	1.4	0.080	2.79	18.6	17.5	0.75	924	1.59	0.93	8.2	2.5	660
R499194		2.62	15.55	0.09	1.4	0.077	2.62	17.3	17.8	0.71	835	1.50	0.95	8.0	2.4	630
R499195		4.07	15.70	0.10	1.2	0.630	3.05	21.0	10.8	0.90	2730	4.74	0.04	7.5	2.8	600
R499196		4.50	15.45	0.10	1.2	0.992	3.21	24.2	9.6	0.84	2020	3.82	0.05	7.0	2.7	600
R499197		2.98	15.95	0.11	1.4	0.452	3.41	17.4	17.2	0.83	1880	10.40	0.06	7.6	2.3	650
R499198		2.95	14.70	0.09	1.4	0.337	3.68	16.4	7.2	0.66	3020	9.52	0.07	6.7	2.3	590
R499199		4.36	13.75	0.08	1.3	0.750	3.07	14.7	6.0	0.56	2230	2.94	0.04	6.4	2.7	530
R499200		3.54	16.25	0.11	1.4	0.405	3.55	22.8	6.1	0.82	1740	3.20	0.05	7.9	2.5	670
R499801		4.16	14.70	0.10	1.4	0.334	3.20	13.7	8.6	0.61	1020	3.72	0.04	6.8	3.4	610
R499802		2.14	13.90	0.09	1.6	0.307	3.91	11.4	4.2	0.64	1970	5.31	0.06	6.9	2.3	680
R499803		5.91	14.90	0.10	1.7	1.605	3.09	15.6	21.3	0.59	827	4.49	0.06	6.0	4.1	600
R499804		2.34	16.15	0.10	3.3	0.106	2.55	26.2	53.1	1.12	793	1.37	0.11	9.6	4.8	940

***** See Appendix Page for comments regarding this certificate *****

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VANCOUVER BC V6B 1L8

Finalized Date: 13-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15094120

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
R499169		40.5	119.0	0.003	1.33	5.83	9.1	1	3.0	204	0.60	0.31	11.9	0.226	2.38	4.1
R499170		28.2	115.0	0.004	0.99	3.92	9.9	<1	3.0	263	0.60	0.48	11.2	0.243	1.99	4.1
R499171		170.0	214	0.002	1.07	10.60	10.2	1	2.9	109.5	0.74	0.10	14.7	0.239	3.55	6.0
R499172		801	201	0.002	5.53	7.65	9.0	1	4.9	50.6	0.61	0.60	12.6	0.198	3.03	3.0
R499173		17.5	111.0	0.002	0.50	7.17	9.8	1	2.5	256	0.72	0.18	11.8	0.241	1.74	5.1
R499174		18.1	108.5	0.002	0.49	7.52	9.8	<1	2.6	258	0.71	0.24	11.2	0.245	1.76	4.9
R499175		104.0	202	<0.002	3.98	16.05	10.1	1	9.4	87.7	0.51	0.96	12.6	0.199	2.45	3.8
R499176		13.5	77.4	<0.002	0.30	15.20	9.7	1	2.5	178.0	0.65	0.06	9.2	0.256	1.55	3.9
R499177		469	157.5	0.004	2.67	28.6	9.2	1	5.5	109.5	0.52	0.29	11.4	0.206	2.48	5.3
R499178		23.0	108.5	0.003	0.78	10.00	9.6	<1	2.6	142.0	0.61	0.07	12.0	0.225	2.01	3.0
R499179		355	169.5	0.008	1.17	24.1	9.4	1	1.8	96.3	0.46	0.28	11.4	0.203	2.96	4.6
R499180		2.1	2.4	<0.002	<0.01	0.12	0.2	<1	<0.2	49.9	<0.05	<0.05	<0.2	<0.005	<0.02	0.7
R499181		17.0	83.9	<0.002	0.97	10.25	8.9	1	2.6	142.5	0.69	0.48	11.8	0.238	1.69	2.7
R499182		36.2	93.8	0.026	0.71	7.48	8.4	1	2.2	157.0	0.72	0.39	10.8	0.235	1.98	3.5
R499183		260	127.0	<0.002	1.05	6.37	9.2	1	2.6	134.0	0.70	0.13	11.5	0.242	2.49	4.3
R499184		77.2	160.0	<0.002	0.79	10.35	6.7	1	1.6	168.5	0.73	<0.05	9.8	0.280	3.27	5.0
R499185		633	173.0	0.002	2.13	19.15	7.7	1	3.7	114.0	0.68	7.39	11.4	0.271	2.70	5.1
R499186		1205	86.4	0.002	2.59	16.40	7.9	1	5.3	241	0.55	0.15	9.3	0.212	2.18	4.0
R499187		4.0	2.5	<0.002	0.02	0.10	0.2	<1	<0.2	48.9	<0.05	<0.05	<0.2	<0.005	0.02	0.7
R499188		61.8	166.0	0.004	0.87	7.95	10.7	1	2.9	168.5	0.56	0.08	12.0	0.267	2.91	3.8
R499189		53.5	122.0	0.016	0.51	8.60	9.8	1	2.8	158.0	0.68	<0.05	10.7	0.266	2.34	3.4
R499190		628	182.0	<0.002	1.67	12.70	9.7	1	3.6	126.0	0.56	0.25	14.3	0.226	2.44	4.7
R499191		1285	160.0	<0.002	4.64	62.0	9.2	2	7.9	98.3	0.54	1.00	11.5	0.210	2.57	6.0
R499192		5340	251	0.002	2.55	32.2	9.4	1	6.3	84.1	0.52	0.19	15.1	0.213	2.94	3.9
R499193		48.6	95.8	<0.002	0.13	4.77	10.7	1	2.1	227	0.63	<0.05	9.5	0.281	1.73	3.1
R499194		28.6	83.3	<0.002	0.10	4.64	9.9	1	2.2	227	0.64	<0.05	9.0	0.268	1.59	3.5
R499195		955	170.5	0.005	1.86	15.55	10.3	1	4.6	111.0	0.62	0.22	9.3	0.253	3.00	4.2
R499196		4950	183.0	0.002	3.08	52.0	10.9	1	4.5	108.0	0.57	0.50	11.0	0.250	2.87	4.0
R499197		130.5	169.0	0.008	1.39	7.58	11.0	1	2.6	135.0	0.61	0.46	12.8	0.263	2.84	4.6
R499198		376	190.5	0.007	1.45	16.50	10.2	1	3.1	92.0	0.51	0.69	12.6	0.227	3.13	3.7
R499199		741	196.5	0.004	3.65	50.6	9.4	2	6.3	33.4	0.51	1.81	11.1	0.213	2.89	4.1
R499200		358	222	0.002	2.06	16.00	11.7	1	3.9	71.7	0.59	0.23	13.0	0.261	3.21	4.2
R499801		989	215	<0.002	3.78	42.5	10.4	2	4.6	46.0	0.53	1.22	12.3	0.238	2.95	5.4
R499802		486	238	0.003	1.21	37.4	10.5	1	3.4	46.9	0.57	0.22	12.9	0.239	3.56	4.5
R499803		3840	188.0	<0.002	5.60	35.2	9.5	1	7.6	66.9	0.52	0.53	12.0	0.202	2.47	4.0
R499804		219	88.8	<0.002	0.45	9.18	6.0	<1	1.5	158.5	0.69	<0.05	8.4	0.260	1.99	5.0

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 13-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15094120

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	V	W	Y	Zn	Zr
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	1	0.1	0.1	2	0.5
R499169		64	2.8	12.2	93	34.4
R499170		69	2.0	12.8	92	31.8
R499171		68	2.4	14.3	239	33.8
R499172		61	4.4	10.2	3030	28.9
R499173		67	1.4	13.2	55	34.2
R499174		69	1.4	12.9	55	35.4
R499175		66	2.6	12.6	107	30.8
R499176		73	1.3	11.3	57	32.9
R499177		66	5.6	11.9	872	29.6
R499178		63	4.1	15.5	63	29.8
R499179		66	4.3	13.1	314	27.4
R499180		3	0.1	0.8	16	0.5
R499181		69	2.3	12.6	63	30.2
R499182		65	2.3	12.8	87	28.3
R499183		69	3.6	12.8	341	29.9
R499184		61	2.7	12.7	209	118.5
R499185		63	4.1	12.7	1100	94.8
R499186		60	5.6	9.5	3150	39.4
R499187		3	0.1	1.0	23	0.7
R499188		75	3.0	15.3	146	35.3
R499189		73	2.5	14.0	133	42.3
R499190		66	2.7	13.2	1260	36.6
R499191		63	6.8	11.9	2430	29.2
R499192		61	6.6	12.2	6760	39.8
R499193		82	2.8	14.0	105	38.6
R499194		77	2.8	13.4	70	38.2
R499195		75	5.8	13.1	1580	31.7
R499196		75	3.5	13.4	2890	34.4
R499197		77	2.8	14.4	201	38.4
R499198		68	4.0	11.3	827	39.0
R499199		59	7.1	8.6	649	34.2
R499200		77	4.5	13.0	594	38.1
R499801		70	7.7	9.3	1660	41.5
R499802		68	8.1	10.1	852	42.8
R499803		66	4.1	8.4	6730	50.3
R499804		57	1.8	11.7	551	116.5

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: KLAZA

Finalized Date: 13-JUL-2015
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH15094120

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	ME-MS61

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 14-JUL-2015
Account: ROCKHA

CERTIFICATE WH15094121

Project: KLAZA

P.O. No.: BATCH 29

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 28-JUN-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21d	Sample logging - ClientBarCode Dup
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
SPL-21d	Split sample - duplicate
BAG-06	Double Bagging Coarse Rejects
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31d	Pulverize Split - duplicate

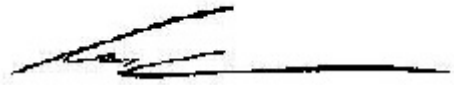
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	
Ag-OG62	Ore Grade Ag - Four Acid	VARIABLE
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
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VANCOUVER BC V6B 1L8

Finalized Date: 14-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15094121

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
R499805		4.83	0.766	9.20	6.88	2690	410	1.45	1.51	1.71	101.0	51.2	5.5	10	12.50	112.5
R499806		4.57	<0.005	0.03	0.05	2.6	20	<0.05	0.03	21.1	0.15	1.21	0.6	1	0.17	2.0
R499807		5.15	0.443	21.5	7.27	2950	540	1.30	2.44	1.95	18.45	50.9	5.8	8	15.85	136.5
R499808		4.20	0.192	7.63	7.19	1015	200	1.29	3.50	0.73	6.24	53.7	7.0	7	16.25	66.4
R499809		3.39	0.043	0.71	6.06	22.7	1720	1.04	0.59	2.16	1.47	34.9	10.9	10	10.70	12.6
R499810		0.30	0.871	11.90	6.55	1565	900	1.23	13.80	1.83	33.8	47.7	18.3	18	13.95	287
R499811		4.14	0.027	0.46	7.07	11.9	1350	1.07	0.57	1.92	3.85	42.4	7.2	10	11.35	10.7
R499812		9.85	0.050	1.21	7.32	40.0	1870	1.00	1.86	0.79	6.77	30.3	8.7	15	6.49	24.1
R499813		8.06	0.125	1.36	7.13	55.3	1470	1.21	1.65	0.82	3.98	38.9	9.6	13	8.75	36.9
R499814		9.36	0.006	0.30	7.15	15.1	1560	1.11	0.37	1.26	2.56	44.7	10.0	12	9.29	3.8
R499815		<0.02	0.012	0.28	7.12	17.2	1560	1.12	0.39	1.26	2.54	45.2	9.2	12	9.42	4.3
R499816		4.47	0.147	3.71	7.78	1805	1330	1.21	2.16	0.27	2.65	39.3	10.0	12	5.91	90.4
R499817		5.02	0.427	>100	7.69	1155	120	1.33	22.0	0.30	7.62	23.9	8.0	12	6.28	1390
R499818		4.69	0.068	1.23	7.75	324	1530	1.57	2.02	1.44	1.84	29.4	15.8	10	5.02	56.8
R499819		1.64	0.013	0.78	7.06	55.7	1570	1.49	0.94	2.47	1.17	47.5	6.1	11	12.90	21.8
R499820		1.35	0.149	1.61	6.49	161.0	520	1.22	1.95	1.08	0.55	46.3	17.6	8	5.63	142.0
R499821		2.73	0.062	0.60	7.21	53.8	1660	1.44	1.17	2.23	0.92	53.2	10.2	9	9.51	29.8
R499822		6.24	0.115	1.76	7.95	209	580	1.41	4.50	2.26	2.90	65.6	21.7	10	12.35	79.5
R499823		3.33	0.180	1.39	7.26	191.5	1730	1.49	2.58	2.46	3.06	57.2	12.5	12	12.35	60.7
R499824		2.16	0.013	1.04	7.65	36.9	2000	1.57	5.20	1.82	0.43	52.3	8.0	10	12.85	26.1
R499825		2.38	1.815	6.74	6.64	8320	120	1.27	31.4	0.66	12.05	46.8	38.0	9	5.72	652
R499826		4.57	<0.005	0.02	0.08	4.1	30	0.06	0.07	21.2	0.07	1.36	0.7	<1	0.22	2.9
R499827		6.81	0.050	0.51	6.92	58.4	1840	1.46	1.33	3.49	0.46	49.7	9.5	8	14.10	23.5
R499828		1.84	0.103	0.61	7.41	122.0	460	1.73	3.40	1.06	0.26	42.5	51.4	8	10.15	66.2
R499829		2.60	0.075	0.37	7.76	53.3	1250	1.41	2.10	1.86	0.18	61.8	25.1	9	20.5	21.6
R499830		3.75	0.053	0.59	7.88	123.0	2370	1.47	3.43	2.50	0.23	59.2	13.3	10	10.40	56.3
R499831		9.38	0.234	0.46	7.19	295	2380	1.47	0.87	2.25	0.80	42.8	7.8	9	12.80	23.5
R499832		10.86	0.023	0.36	8.03	84.5	3650	1.51	0.89	2.91	0.54	29.5	6.0	9	10.05	10.5
R499833		4.77	0.065	0.71	7.56	240	1670	1.63	1.79	1.62	1.54	50.0	7.4	10	11.15	66.5
R499834		0.30	0.398	4.45	6.89	729	400	1.37	3.19	2.07	10.30	50.7	12.2	25	14.25	324
R499835		8.31	0.763	1.35	7.30	1885	380	1.53	5.77	1.28	0.70	53.1	14.8	8	10.45	189.5
R499836		8.86	0.013	0.19	7.37	18.5	2000	1.56	0.48	2.19	0.13	47.1	6.1	10	12.95	13.3
R499837		1.52	0.406	11.10	6.90	1090	240	1.39	18.65	0.75	3.71	46.8	27.8	8	10.30	345
R499838		8.74	0.012	0.41	7.44	72.3	2440	1.53	1.23	2.77	0.20	45.6	10.1	9	15.85	33.3
R499839		2.15	0.029	0.84	7.92	48.6	1130	1.64	1.90	1.96	0.81	50.0	7.1	9	13.40	29.7
R499840		2.54	0.041	1.36	7.34	120.5	1980	1.75	1.24	2.41	7.34	46.3	7.8	8	17.65	100.5

***** See Appendix Page for comments regarding this certificate *****

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VANCOUVER BC V6B 1L8

Finalized Date: 14-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15094121

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
R499805		4.36	15.90	0.14	1.4	0.842	3.03	27.6	21.9	0.80	1540	1.35	0.05	6.9	4.4	590
R499806		0.47	0.16	0.09	<0.1	0.005	0.02	0.6	0.9	13.05	203	0.32	0.01	0.1	1.5	180
R499807		4.34	14.65	0.13	1.4	0.460	2.48	27.8	28.4	0.81	1120	1.11	0.05	7.4	2.5	600
R499808		4.48	15.85	0.14	1.5	0.219	2.96	28.7	13.8	0.46	455	1.30	0.04	7.7	2.2	530
R499809		1.33	14.25	0.13	1.2	0.093	2.94	18.2	9.5	0.83	601	99.5	0.05	5.5	2.4	480
R499810		6.62	14.85	0.14	1.1	0.799	2.83	25.1	18.5	0.78	1820	9.04	0.13	6.6	11.6	540
R499811		1.32	17.60	0.15	1.3	0.077	3.61	21.9	7.7	0.54	370	24.8	0.05	5.8	2.7	610
R499812		1.90	14.60	0.13	1.5	0.293	3.75	16.2	5.1	0.48	442	26.0	0.07	6.9	1.8	560
R499813		2.07	16.00	0.15	1.5	0.266	3.60	20.7	5.7	0.43	475	17.05	0.06	6.2	2.5	540
R499814		1.03	16.70	0.15	1.4	0.074	3.67	23.2	6.8	0.40	322	8.75	0.06	6.8	2.5	600
R499815		1.07	16.65	0.16	1.4	0.078	3.67	23.4	6.8	0.41	329	9.15	0.06	6.9	2.5	600
R499816		2.45	18.00	0.14	1.7	0.204	3.97	20.1	6.1	0.29	280	2.75	0.07	8.1	2.5	570
R499817		4.96	15.70	0.14	1.6	0.324	3.87	11.4	5.2	0.34	214	4.93	0.06	7.3	2.6	540
R499818		2.79	13.80	0.13	1.6	0.201	3.52	15.5	3.9	0.66	707	3.80	0.10	7.3	2.4	690
R499819		3.65	16.25	0.14	1.3	0.141	2.83	23.6	17.4	0.75	1060	7.71	0.74	7.6	3.2	610
R499820		5.78	13.95	0.14	1.2	0.218	3.14	25.1	6.3	0.74	736	5.68	0.05	5.1	2.1	440
R499821		3.53	14.40	0.14	1.5	0.173	3.27	29.2	7.4	0.85	895	6.53	0.13	7.1	2.3	530
R499822		4.89	17.25	0.15	1.3	0.230	3.54	35.5	16.4	0.82	1080	2.96	0.62	6.9	2.9	670
R499823		4.18	16.60	0.15	1.3	0.215	3.46	28.4	19.5	0.71	1060	3.51	0.55	8.0	2.6	700
R499824		3.90	16.70	0.13	1.4	0.163	2.75	27.1	27.8	0.83	802	5.53	0.82	8.3	2.4	650
R499825		8.49	14.95	0.14	1.1	0.588	3.18	23.3	20.9	0.54	629	3.71	0.05	5.9	4.2	550
R499826		0.49	0.21	0.09	<0.1	0.006	0.03	0.7	1.1	13.20	217	0.09	0.01	0.2	1.4	170
R499827		3.20	15.15	0.14	1.3	0.143	2.71	25.6	54.5	0.92	1040	4.02	0.07	7.2	2.4	650
R499828		4.84	15.35	0.14	1.4	0.285	3.46	22.4	10.8	0.55	600	3.30	0.06	5.6	3.4	610
R499829		3.58	16.05	0.15	1.3	0.134	2.86	33.4	62.4	0.61	699	10.30	0.09	8.2	2.4	680
R499830		3.88	16.30	0.15	1.5	0.131	2.85	30.8	18.5	1.00	807	2.49	1.55	8.6	2.5	700
R499831		2.95	15.75	0.14	1.4	0.100	2.96	20.8	18.8	0.65	720	1.66	0.61	8.2	2.2	650
R499832		1.94	15.10	0.15	1.5	0.103	3.85	13.8	12.9	0.57	572	6.36	0.40	8.4	2.0	750
R499833		4.21	15.40	0.14	1.3	0.173	3.09	27.2	31.3	0.71	934	3.79	0.07	6.6	2.6	630
R499834		5.20	14.75	0.15	1.1	0.306	3.02	28.3	25.6	0.80	1970	15.30	0.16	6.3	14.0	540
R499835		5.15	15.75	0.13	1.3	0.182	3.31	28.7	15.1	0.72	676	3.87	0.06	7.4	2.4	610
R499836		3.27	15.15	0.14	1.6	0.072	2.74	23.5	17.8	0.83	597	4.00	1.58	8.8	2.5	620
R499837		7.98	14.95	0.15	1.2	0.516	3.01	24.0	20.0	0.71	845	1.93	0.14	6.6	2.9	570
R499838		3.62	15.70	0.13	1.4	0.201	2.97	23.2	37.7	0.87	812	3.76	0.58	8.4	2.9	640
R499839		3.48	16.35	0.13	1.4	0.235	3.47	26.1	18.2	0.71	1140	4.00	0.57	8.4	2.3	680
R499840		3.68	15.80	0.15	1.3	0.314	3.19	22.4	47.9	0.83	1240	10.50	0.31	8.7	2.6	690

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

2103 Dollarton Hwy
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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 14-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15094121

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
R499805		2540	193.0	<0.002	2.97	18.70	10.3	1	9.0	70.0	0.52	0.14	11.7	0.239	2.66	3.7
R499806		4.3	1.0	<0.002	<0.01	0.08	0.1	<1	<0.2	50.5	<0.05	<0.05	<0.2	<0.005	<0.02	0.6
R499807		1495	141.5	<0.002	2.16	52.5	10.0	1	5.2	93.6	0.59	0.57	13.6	0.243	1.89	4.3
R499808		533	184.0	<0.002	4.18	26.1	9.5	1	5.5	52.0	0.67	0.62	15.7	0.226	2.42	6.7
R499809		71.4	181.5	0.003	0.44	22.7	9.6	2	1.7	58.3	0.43	0.13	10.9	0.195	2.12	6.7
R499810		1290	171.5	<0.002	4.74	64.1	9.3	2	7.4	98.9	0.53	1.18	12.2	0.216	2.46	5.7
R499811		86.5	187.0	0.002	0.50	30.3	12.2	1	2.1	50.7	0.46	0.09	12.1	0.216	1.84	5.3
R499812		143.5	186.5	0.003	1.35	25.0	10.7	1	2.8	28.6	0.59	0.30	15.7	0.219	2.10	4.7
R499813		155.0	189.5	0.003	1.48	29.2	10.7	1	2.6	34.2	0.54	0.23	14.6	0.204	1.76	4.3
R499814		49.7	191.0	<0.002	0.34	24.2	11.5	1	1.8	50.6	0.48	0.05	12.4	0.226	1.88	6.2
R499815		49.7	188.0	0.002	0.35	24.8	11.4	<1	1.8	49.7	0.51	0.06	12.9	0.230	1.95	6.5
R499816		425	194.5	<0.002	1.91	56.7	13.1	1	3.7	20.1	0.58	0.32	14.8	0.239	1.56	3.7
R499817		478	209	<0.002	5.02	545	12.8	4	5.9	16.9	0.56	5.45	13.9	0.229	2.19	3.1
R499818		63.9	202	<0.002	1.53	12.90	12.9	1	5.4	47.3	0.62	0.07	15.9	0.236	2.59	6.7
R499819		40.9	130.0	0.004	0.50	5.81	11.1	1	4.0	149.0	0.53	0.08	11.3	0.238	2.00	4.2
R499820		37.7	189.5	0.009	3.22	7.38	8.4	1	10.1	41.9	0.48	0.26	14.2	0.171	2.27	3.6
R499821		30.4	184.5	0.008	1.03	4.11	9.2	1	4.3	107.0	0.60	0.15	16.3	0.212	2.06	5.4
R499822		128.5	176.5	0.002	2.03	5.61	14.3	1	6.0	147.0	0.47	0.38	10.7	0.261	2.09	4.3
R499823		116.5	144.0	0.003	1.53	5.67	13.3	1	5.5	141.5	0.51	0.23	10.2	0.270	2.11	4.2
R499824		42.9	129.0	0.002	0.65	4.49	13.0	1	3.4	192.0	0.60	2.63	12.4	0.276	1.58	3.2
R499825		146.0	199.0	0.002	6.39	28.2	10.7	1	11.3	20.0	0.45	15.10	10.1	0.217	2.02	3.7
R499826		1.6	1.6	<0.002	0.01	0.09	0.2	<1	<0.2	49.4	<0.05	<0.05	<0.2	<0.005	<0.02	0.8
R499827		23.4	109.0	0.002	0.68	10.70	10.1	1	3.3	116.0	0.55	0.26	10.9	0.249	1.79	7.2
R499828		25.4	204	0.002	2.82	11.05	10.4	1	7.0	40.2	0.49	1.01	14.5	0.206	2.29	4.6
R499829		19.5	133.5	0.020	1.42	12.90	12.8	1	4.9	81.8	0.58	0.81	12.9	0.277	1.76	4.2
R499830		25.7	120.5	<0.002	0.84	4.21	13.1	1	4.2	293	0.62	0.29	13.4	0.294	1.41	4.8
R499831		51.1	124.0	<0.002	0.55	6.91	11.9	1	3.8	156.5	0.61	0.11	12.2	0.265	1.73	3.8
R499832		32.6	161.0	0.002	0.36	6.70	12.8	1	3.7	176.0	0.63	0.18	13.6	0.286	2.23	3.9
R499833		74.9	177.0	0.002	1.25	8.33	12.0	1	6.0	62.6	0.50	0.19	12.7	0.247	1.95	4.6
R499834		489	171.5	0.004	2.79	29.1	9.2	1	5.4	111.5	0.50	0.28	12.0	0.220	2.39	5.1
R499835		34.5	201	<0.002	2.75	15.10	12.0	1	11.1	46.4	0.55	0.70	12.7	0.250	2.16	4.9
R499836		18.3	106.0	0.002	0.21	3.74	10.5	<1	2.1	292	0.75	0.05	13.9	0.268	1.30	4.8
R499837		157.0	187.0	<0.002	5.76	15.10	10.5	2	7.9	43.0	0.51	1.91	11.5	0.241	2.02	4.1
R499838		26.4	142.0	<0.002	0.73	9.38	12.3	1	2.8	188.5	0.66	0.19	13.3	0.275	2.10	6.6
R499839		44.7	197.5	<0.002	1.70	6.29	12.0	1	3.7	128.5	0.59	0.25	13.3	0.278	2.62	4.4
R499840		94.6	149.0	<0.002	1.21	14.05	12.8	1	3.3	154.5	0.63	0.17	12.2	0.286	2.33	4.5

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 14-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15094121

Sample Description	Method Analyte Units LOR	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Ag-OG62 Ag ppm 1
R499805		70	3.8	11.3	6570	42.1	
R499806		2	0.1	0.8	24	<0.5	
R499807		70	2.2	14.0	987	41.0	
R499808		65	4.3	11.3	420	44.4	
R499809		70	7.6	10.6	178	35.0	
R499810		63	5.7	12.3	2430	32.4	
R499811		75	7.5	10.6	525	41.2	
R499812		70	10.2	9.0	902	43.6	
R499813		71	8.6	10.7	523	44.3	
R499814		76	11.1	11.3	310	41.9	
R499815		77	11.6	11.2	314	42.3	
R499816		83	9.5	7.8	269	50.0	
R499817		82	10.4	6.6	534	48.3	111
R499818		79	11.0	13.5	196	48.1	
R499819		77	2.1	18.7	178	39.6	
R499820		57	4.0	7.4	96	35.3	
R499821		61	2.3	15.1	142	41.8	
R499822		87	3.0	17.9	333	40.5	
R499823		84	3.0	18.2	333	41.7	
R499824		82	2.3	14.1	94	42.4	
R499825		72	5.0	10.4	1100	33.3	
R499826		3	0.1	0.9	18	<0.5	
R499827		76	2.3	15.8	85	40.2	
R499828		82	2.9	12.9	66	41.5	
R499829		82	2.1	15.0	58	41.2	
R499830		88	1.7	17.2	73	43.6	
R499831		79	3.3	14.8	107	43.7	
R499832		84	3.7	13.3	82	46.8	
R499833		78	3.7	20.9	174	38.7	
R499834		68	5.3	13.1	900	32.7	
R499835		75	3.9	12.0	100	40.2	
R499836		76	1.9	15.8	57	45.9	
R499837		76	4.8	11.7	378	37.8	
R499838		82	2.1	17.4	66	43.6	
R499839		81	2.6	14.2	103	41.3	
R499840		82	2.1	16.1	582	40.3	

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: KLAZA

Finalized Date: 14-JUL-2015
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH15094121

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

Applies to Method:				
	BAG-06	CRU-31	CRU-QC	LOG-21
	LOG-21d	LOG-23	PUL-31	PUL-31d
	PUL-QC	SPL-21	SPL-21d	WEI-21

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:				
	Ag-OG62	Au-AA24	ME-MS61	ME-OG62

ALS Canada Ltd.

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 14-JUL-2015
Account: ROCKHA

CERTIFICATE WH15095305

Project: KLAZA

P.O. No.: Batch 23

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 30-JUN-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
FND-02	Find Sample for Addn Analysis

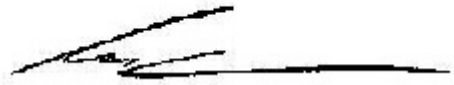
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION
C-GAS05	Inorganic Carbon (CO2)

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 14-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15095305

Sample Description	Method Analyte Units LOR	C-GAS05 C % 0.05	C-GAS05 CO2 % 0.2
R499237		3.49	12.8
R499238		1.45	5.3
R499239		1.56	5.7
R499240		3.17	11.6
R499241		0.36	1.3
R499242		0.22	0.8
R499243		0.11	0.4
R499244		2.33	8.5
R499245		0.76	2.8
R499246		2.33	8.5
R499247		12.55	46.0
R499248		1.61	5.9
R499249		3.18	11.6
R499250		0.77	2.8
R499251		0.75	2.8
R499252		1.50	5.5
R499253		0.42	1.6
R499254		0.09	0.3
R499255		1.20	4.4
R499256		0.57	2.1
R499257		0.58	2.1
R499258		0.44	1.6
R499259		1.65	6.1
R499260		12.55	46.1
R499261		1.74	6.4
R499262		1.02	3.7
R499263		0.50	1.8
R499264		1.05	3.9
R499265		0.98	3.6
R499266		1.26	4.6
R499267		1.71	6.3
R499268		1.54	5.6
R499269		1.58	5.8
R499270		0.91	3.3
R499271		1.83	6.7
R499272		1.48	5.4

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: KLAZA

Finalized Date: 14-JUL-2015
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH15095305

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Applies to Method:

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

C-GAS05 FND-02

ALS Canada Ltd.

2103 Dollarton Hwy
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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 15-JUL-2015
Account: ROCKHA

CERTIFICATE WH15096135

Project: KLAZA

P.O. No.: BATCH 28

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 1-JUL-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21d	Sample logging - ClientBarCode Dup
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
SPL-21d	Split sample - duplicate
BAG-06	Double Bagging Coarse Rejects
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31d	Pulverize Split - duplicate

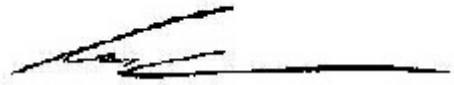
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Pb-OG62	Ore Grade Pb - Four Acid	VARIABLE
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.

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VANCOUVER BC V6B 1L8

Finalized Date: 15-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15096135

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
R498597		5.02	0.006	0.39	6.49	40.3	1580	1.26	0.37	1.87	0.43	32.8	6.9	9	14.35	26.3
R498598		6.03	0.005	0.34	7.73	18.3	1780	1.23	0.31	1.11	0.34	55.1	7.4	9	17.15	14.2
R498599		2.30	0.018	1.80	7.82	2930	600	1.50	15.25	1.41	0.24	55.8	11.9	12	10.25	242
R498600		1.32	0.261	10.15	4.49	813	400	1.44	0.22	1.85	3.36	36.3	8.5	7	17.70	10.0
R498601		4.42	0.019	0.64	7.32	166.0	1180	1.09	0.32	2.59	1.01	50.4	6.3	8	19.15	10.5
R498602		2.40	0.029	0.63	7.02	230	910	1.16	0.23	2.33	1.46	41.1	7.0	8	18.00	10.3
R498603		2.20	<0.005	0.55	5.97	23.4	2780	0.93	0.19	3.60	0.35	41.9	6.0	6	14.25	7.8
R498604		4.32	0.007	0.15	7.31	19.8	2390	1.27	0.39	2.37	0.10	46.5	6.8	11	13.20	8.1
R498605		2.55	0.095	0.32	7.07	235	2880	1.36	0.31	2.74	0.33	51.7	6.8	9	21.4	7.3
R498606		6.98	0.026	0.55	7.38	66.9	1170	1.26	0.25	2.15	0.43	48.0	6.2	10	20.3	8.4
R498607		1.81	<0.005	0.74	7.22	22.9	1060	1.34	0.30	3.05	0.30	55.0	6.4	7	18.65	10.8
R498608		1.68	1.200	1.02	7.97	1555	1360	1.43	0.67	1.42	0.40	58.5	6.5	7	15.70	26.6
R498609		2.94	1.765	1.99	7.12	1405	1510	1.57	0.79	2.02	0.42	46.8	7.9	6	15.40	59.8
R498610		1.45	0.076	2.13	7.56	188.0	660	1.56	0.45	1.66	15.85	52.0	14.4	8	11.70	22.8
R498611		0.30	1.740	43.4	6.16	2660	1380	1.08	37.7	1.75	48.0	38.6	18.7	22	10.85	1240
R498612		3.44	0.580	2.47	6.76	640	1030	1.23	1.14	2.48	22.0	46.8	8.3	6	9.58	27.7
R498613		2.46	0.336	0.75	7.14	456	720	1.67	0.24	2.97	0.79	50.7	4.2	6	16.75	9.5
R498614		4.54	<0.005	0.02	0.08	1.2	30	0.05	0.04	22.7	0.09	1.29	0.6	1	0.29	3.2
R498615		2.03	1.335	2.47	6.98	1020	730	1.15	0.39	2.41	0.79	44.1	8.1	6	15.95	25.2
R498616		9.94	0.006	0.16	8.14	16.9	2640	1.41	0.34	2.78	0.11	51.1	7.9	9	16.05	18.1
R498617		7.63	<0.005	0.13	8.46	15.1	1910	1.05	0.49	1.16	0.17	55.8	8.4	8	15.90	22.8
R498618		<0.02	<0.005	0.13	8.21	11.5	1890	1.06	0.53	1.19	0.18	56.4	8.4	8	16.15	23.8
R498619		9.50	<0.005	0.34	6.24	7.5	3590	1.07	1.03	3.56	0.49	42.0	6.8	7	10.90	4.5
R498620		8.16	<0.005	0.25	8.44	19.9	3520	1.22	0.76	1.16	0.25	58.0	9.6	10	16.70	42.2
R498621		1.44	0.056	5.77	7.46	1675	1800	1.46	0.27	2.46	53.9	43.6	7.1	8	17.10	25.0
R498622		4.54	<0.005	0.02	0.11	1.3	40	0.05	0.03	21.8	0.13	1.42	0.6	1	0.26	1.9
R498623		4.58	<0.005	0.19	7.80	14.2	2180	1.19	0.44	3.01	0.23	47.4	8.1	9	23.5	10.5
R498624		3.05	0.037	13.35	6.59	193.0	1370	1.09	0.35	6.39	7.33	46.1	8.1	6	13.45	18.2
R498625		3.57	<0.005	0.15	8.15	7.0	2860	1.11	0.18	2.74	0.15	44.3	7.4	8	22.9	9.0
R498626		1.88	0.005	2.55	7.93	39.7	1660	1.10	0.16	3.93	1.49	52.1	7.8	7	24.7	21.8
R498627		2.16	0.008	0.11	7.68	8.1	2290	1.47	0.27	2.66	0.13	50.0	6.7	9	26.2	8.2
R498628		0.32	0.395	4.70	7.26	760	1080	1.25	3.32	2.19	10.05	49.7	12.7	26	14.05	331
R498629		4.07	<0.005	0.28	8.13	19.8	2100	1.52	0.72	2.57	0.40	53.0	8.7	9	29.5	20.0
R498630		2.48	0.014	0.16	7.82	26.5	1640	1.29	0.59	1.72	0.12	51.5	5.9	8	23.2	7.6
R498631		4.55	<0.005	0.16	7.99	12.6	2330	1.53	0.44	2.67	0.10	54.3	10.8	10	9.37	41.6
R498632		2.35	0.058	42.9	7.71	150.0	1450	1.43	8.67	2.09	14.00	49.7	8.7	8	17.65	420

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 15-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15096135

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
R498597		2.58	15.35	0.18	1.2	0.045	2.88	15.3	48.8	0.50	1500	1.43	0.16	7.4	2.6	520
R498598		2.86	16.75	0.24	1.4	0.048	2.93	27.4	30.1	0.47	1880	1.55	0.18	8.4	2.6	600
R498599		4.92	16.65	0.18	1.1	0.235	2.69	28.9	19.3	0.78	546	1.89	1.61	7.8	2.9	590
R498600		2.58	10.35	0.14	0.8	0.025	2.07	20.2	55.8	0.59	4910	5.68	0.03	5.0	2.9	310
R498601		2.72	15.00	0.17	1.1	0.046	2.99	27.5	71.5	0.89	2140	2.06	0.06	7.3	2.3	530
R498602		2.65	15.25	0.15	1.1	0.043	3.05	21.0	74.9	0.76	2090	1.94	0.06	8.1	2.5	530
R498603		2.43	12.45	0.15	1.0	0.030	2.40	23.2	72.0	1.18	1940	0.90	0.04	6.1	1.9	410
R498604		2.68	16.50	0.15	1.5	0.038	2.93	23.4	18.9	0.66	1020	1.92	2.10	8.9	2.4	540
R498605		2.46	15.20	0.16	1.4	0.046	3.00	27.2	63.3	0.85	6430	3.04	0.04	8.5	2.1	610
R498606		2.46	16.00	0.17	1.5	0.039	2.78	24.7	143.5	0.68	2260	2.45	0.07	9.3	2.6	540
R498607		2.46	15.15	0.16	1.1	0.045	2.03	30.0	174.0	1.03	2370	3.36	0.02	8.3	2.1	590
R498608		2.60	16.40	0.16	1.5	0.042	3.21	32.1	66.1	0.51	3310	4.54	0.09	9.5	2.1	560
R498609		2.52	15.15	0.15	1.6	0.047	3.90	24.1	54.9	0.62	3580	5.07	0.08	9.1	1.9	530
R498610		3.96	15.15	0.16	1.0	0.094	3.58	29.0	12.7	0.65	7590	2.04	0.03	7.5	2.1	560
R498611		9.54	14.20	0.13	0.9	1.600	2.72	21.0	15.6	0.71	2370	17.10	0.07	4.9	13.9	470
R498612		3.82	14.30	0.13	1.1	0.120	3.12	25.8	13.8	0.79	12650	11.65	0.02	6.6	2.1	530
R498613		2.52	14.40	0.15	1.5	0.044	2.68	27.9	130.0	0.91	7510	5.96	0.02	8.8	2.0	510
R498614		0.51	0.24	0.17	<0.1	0.006	0.03	0.6	1.2	13.45	257	0.14	<0.01	0.2	1.4	180
R498615		2.69	13.40	0.14	1.5	0.030	3.02	24.3	47.9	0.68	15250	1.99	0.03	6.7	2.0	440
R498616		3.11	17.05	0.16	1.4	0.044	2.91	26.6	14.7	0.78	674	1.09	2.21	9.0	2.3	610
R498617		2.88	17.10	0.15	1.2	0.041	2.63	30.2	30.3	0.51	1010	1.70	0.27	8.9	2.3	670
R498618		2.80	16.90	0.16	1.1	0.044	2.62	30.7	34.1	0.51	974	1.53	0.28	9.3	2.2	650
R498619		3.40	14.00	0.13	0.8	0.047	1.75	23.1	34.6	1.20	2220	2.94	0.24	5.9	2.4	470
R498620		3.12	17.10	0.17	1.1	0.045	2.71	32.5	26.6	0.48	1130	8.39	0.57	9.1	2.6	660
R498621		3.52	16.25	0.14	1.0	0.040	3.08	21.8	14.2	0.59	3310	1.67	1.33	8.2	2.3	610
R498622		0.50	0.31	0.17	<0.1	0.006	0.04	0.7	1.0	13.30	233	0.15	0.01	0.2	1.5	210
R498623		3.02	16.65	0.18	1.1	0.041	2.77	24.0	56.6	0.88	1060	1.08	1.60	8.7	2.2	620
R498624		3.08	13.75	0.15	1.0	0.040	1.50	25.0	85.1	1.97	4170	0.97	0.04	7.5	2.2	520
R498625		3.13	17.35	0.16	1.1	0.044	3.12	21.6	31.3	0.84	1060	1.14	0.76	9.4	2.2	660
R498626		3.39	15.80	0.16	1.0	0.044	2.45	27.9	74.6	1.21	6330	7.66	0.32	9.3	2.3	660
R498627		2.86	17.00	0.17	1.2	0.040	2.94	25.1	51.9	0.63	879	0.93	1.84	9.5	2.0	630
R498628		5.27	15.05	0.15	1.0	0.304	3.10	27.8	23.6	0.82	2000	13.95	0.17	6.0	13.4	550
R498629		3.22	16.50	0.18	1.0	0.042	2.95	27.9	45.1	0.77	1250	1.46	1.42	8.9	2.5	610
R498630		2.38	16.15	0.15	1.6	0.035	3.09	26.1	113.0	0.62	1360	3.03	0.40	9.1	1.9	550
R498631		2.97	16.95	0.17	1.1	0.042	2.63	28.3	16.1	0.80	601	4.06	2.30	8.9	2.5	630
R498632		3.48	15.60	0.17	1.0	0.337	3.99	26.3	29.9	0.68	2450	6.38	0.20	8.2	2.2	610

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
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VANCOUVER BC V6B 1L8

Finalized Date: 15-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15096135

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
R498597		34.5	113.0	<0.002	0.20	23.5	8.9	1	1.7	90.1	0.58	<0.05	9.7	0.237	1.73	3.0
R498598		30.4	138.0	<0.002	0.27	27.4	11.2	1	1.8	81.9	0.71	<0.05	14.6	0.253	1.57	3.4
R498599		20.5	161.5	<0.002	2.15	8.69	11.2	1	16.2	253	0.60	0.33	13.6	0.256	2.51	8.3
R498600		1740	122.5	<0.002	1.54	66.9	6.4	1	2.7	109.0	0.42	<0.05	9.2	0.150	1.79	8.4
R498601		67.5	157.5	<0.002	0.61	21.3	9.5	1	1.7	155.0	0.63	<0.05	14.5	0.224	2.06	4.8
R498602		41.0	133.0	<0.002	0.73	24.8	9.5	1	1.8	152.0	0.66	<0.05	12.7	0.231	2.18	4.8
R498603		15.2	130.5	<0.002	0.19	28.0	8.0	1	1.2	150.5	0.52	<0.05	12.7	0.189	1.74	6.6
R498604		20.0	133.0	<0.002	0.14	5.16	10.4	1	1.6	329	0.76	<0.05	16.0	0.230	1.35	5.6
R498605		16.9	157.0	<0.002	0.90	28.0	10.7	1	2.1	145.5	0.68	<0.05	14.6	0.225	2.40	6.0
R498606		24.1	121.0	<0.002	0.39	32.4	9.9	1	1.9	166.5	0.82	<0.05	17.2	0.230	1.91	8.1
R498607		23.4	102.5	<0.002	0.32	35.7	10.6	1	2.2	346	0.63	<0.05	14.4	0.241	1.93	5.2
R498608		29.2	152.0	<0.002	1.00	54.1	10.2	1	2.5	158.0	0.84	<0.05	18.7	0.233	1.87	6.1
R498609		31.4	168.0	0.002	1.12	62.5	9.2	1	2.7	115.5	0.83	<0.05	17.9	0.217	2.43	9.5
R498610		572	224	<0.002	2.09	25.2	10.3	1	2.6	39.3	0.53	<0.05	12.7	0.238	3.17	6.4
R498611		1710	167.0	0.003	8.51	109.5	8.5	1	10.2	67.6	0.39	0.76	10.1	0.180	2.12	5.5
R498612		460	195.0	0.002	2.62	47.3	9.2	1	2.1	45.7	0.57	<0.05	12.8	0.213	2.93	3.9
R498613		44.7	148.0	<0.002	1.03	35.8	9.2	1	1.8	271	0.86	<0.05	16.8	0.210	2.38	10.2
R498614		2.0	1.9	<0.002	<0.01	0.26	0.2	1	<0.2	52.0	<0.05	<0.05	<0.2	<0.005	0.02	0.5
R498615		38.4	159.5	<0.002	2.07	47.9	7.2	1	1.6	119.0	0.75	<0.05	17.5	0.187	2.41	6.3
R498616		20.2	134.0	<0.002	0.11	3.65	11.4	1	1.9	374	0.69	<0.05	15.3	0.265	1.30	4.3
R498617		15.2	117.5	<0.002	0.14	28.8	12.3	1	2.2	109.0	0.67	<0.05	14.7	0.281	1.19	3.9
R498618		15.3	119.0	<0.002	0.13	28.9	12.5	1	2.2	110.5	0.66	<0.05	14.6	0.281	1.18	3.9
R498619		9.8	111.0	<0.002	0.11	34.0	9.2	1	2.3	89.3	0.45	<0.05	11.3	0.202	1.23	2.1
R498620		19.6	121.5	<0.002	0.28	29.7	13.0	1	2.6	157.0	0.63	<0.05	14.8	0.282	1.29	2.6
R498621		710	132.0	<0.002	1.49	35.8	10.6	1	4.2	285	0.58	<0.05	11.2	0.257	1.76	3.5
R498622		2.1	1.7	<0.002	<0.01	0.21	0.3	1	<0.2	50.9	<0.05	<0.05	0.2	<0.005	0.02	0.8
R498623		18.4	115.0	<0.002	0.08	12.05	10.8	1	1.8	337	0.64	<0.05	13.8	0.272	1.44	4.2
R498624		253	83.4	<0.002	0.53	37.6	9.9	1	2.0	315	0.66	<0.05	12.3	0.215	1.27	6.2
R498625		17.3	122.0	<0.002	0.06	9.33	12.6	1	1.8	269	0.69	<0.05	14.7	0.284	1.48	4.7
R498626		24.5	121.5	0.002	0.16	17.05	12.4	1	2.0	255	0.63	<0.05	15.6	0.272	1.47	4.1
R498627		22.4	129.5	<0.002	0.04	12.35	12.1	1	1.7	374	0.73	<0.05	16.6	0.267	1.40	4.9
R498628		509	173.0	0.003	2.95	29.6	9.2	1	5.3	114.5	0.49	0.32	12.7	0.218	2.42	5.0
R498629		21.9	136.5	<0.002	0.25	32.3	11.1	1	1.7	334	0.64	<0.05	17.0	0.268	1.56	4.4
R498630		16.9	134.0	<0.002	0.17	32.0	9.7	1	1.7	180.5	0.82	<0.05	17.6	0.233	1.81	5.9
R498631		17.2	116.5	<0.002	0.17	2.56	11.4	1	2.3	395	0.66	<0.05	15.5	0.266	1.10	5.1
R498632		>10000	197.5	<0.002	1.56	154.5	10.5	1	3.2	157.0	0.60	0.06	14.7	0.253	2.85	5.9

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CERTIFICATE OF ANALYSIS WH15096135

Sample Description	Method / Analyte / Units / LOR	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Pb-OG62 Pb % 0.001
R498597		65	3.6	11.9	85	33.1	
R498598		68	4.9	16.2	80	36.6	
R498599		70	6.4	16.1	63	28.3	
R498600		45	2.7	10.8	204	23.6	
R498601		61	3.2	16.9	113	31.3	
R498602		62	3.4	15.1	134	32.9	
R498603		52	4.5	15.3	60	30.2	
R498604		62	1.0	18.4	51	43.4	
R498605		63	4.9	19.2	86	39.5	
R498606		62	3.2	17.4	78	43.8	
R498607		66	3.7	17.6	56	32.2	
R498608		63	4.4	17.1	73	41.7	
R498609		57	2.9	15.7	84	44.5	
R498610		65	5.2	13.7	2130	30.9	
R498611		59	7.1	10.5	3490	25.8	
R498612		60	5.0	12.5	2310	30.7	
R498613		56	3.6	16.2	128	42.1	
R498614		3	0.1	0.8	21	<0.5	
R498615		48	7.7	14.0	125	40.1	
R498616		71	1.1	19.3	55	42.2	
R498617		71	7.8	19.1	60	35.6	
R498618		69	7.6	19.0	59	34.7	
R498619		75	2.8	19.4	104	23.2	
R498620		77	5.2	17.9	78	31.5	
R498621		69	3.6	15.9	3760	29.4	
R498622		3	0.1	0.9	24	<0.5	
R498623		74	1.6	17.0	65	30.3	
R498624		60	4.9	19.2	681	27.1	
R498625		79	1.6	19.3	58	30.1	
R498626		75	3.7	20.3	164	28.4	
R498627		74	1.5	18.2	64	34.4	
R498628		69	5.4	13.0	928	31.1	
R498629		74	1.6	18.4	83	29.1	
R498630		62	2.5	16.7	45	49.1	
R498631		73	3.0	18.5	48	32.3	
R498632		71	5.7	14.6	1630	28.0	1.530

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

2103 Dollarton Hwy
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Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: KLAZA

Finalized Date: 15-JUL-2015
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH15096135

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

Applies to Method:				
	BAG-06	CRU-31	CRU-QC	LOG-21
	LOG-21d	LOG-23	PUL-31	PUL-31d
	PUL-QC	SPL-21	SPL-21d	WEI-21

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:				
	Au-AA24	ME-MS61	ME-OG62	Pb-OG62

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Finalized Date: 15-JUL-2015
Account: ROCKHA

CERTIFICATE WH15096137

Project: KLAZA

P.O. No.: BATCH 30

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 1-JUL-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21d	Sample logging - ClientBarCode Dup
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
SPL-21d	Split sample - duplicate
BAG-06	Double Bagging Coarse Rejects
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31d	Pulverize Split - duplicate

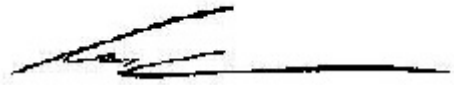
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 15-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15096137

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
R499841		2.85	0.022	0.35	8.25	16.7	2650	1.49	2.47	2.73	0.68	53.8	4.4	12	10.00	36.8
R499842		2.08	0.198	8.81	7.49	186.5	1650	1.39	3.50	3.25	4.26	49.8	9.1	10	17.60	1530
R499843		5.67	0.145	3.92	8.02	17.8	2670	1.51	1.24	2.54	0.14	55.9	7.2	14	13.85	947
R499844		1.78	0.137	5.65	6.90	43.8	1190	1.33	323	3.00	0.68	46.2	4.5	11	16.20	110.0
R499845		3.75	0.116	3.99	7.32	18.4	2100	1.65	1.35	2.19	0.21	45.6	6.3	11	13.35	633
R499846		1.97	0.111	3.97	7.44	17.2	2270	1.72	1.66	2.25	0.19	51.4	6.7	10	13.20	613
R499847		4.02	0.020	0.69	7.39	44.1	2030	1.64	1.99	2.61	0.24	47.9	7.7	10	12.30	83.4
R499848		2.75	0.111	1.57	7.15	65.3	1250	1.79	1.94	2.22	0.47	46.6	8.8	10	18.50	91.1
R499849		7.89	0.041	1.46	7.33	88.4	1410	1.51	1.93	2.36	1.11	48.9	8.0	11	17.50	149.0
R499850		0.32	0.904	11.75	6.67	1595	670	1.46	13.35	1.90	32.4	43.4	19.4	18	14.10	290
R499851		5.45	1.165	8.36	6.64	236	700	1.58	25.5	2.16	1.07	43.8	14.3	9	12.75	240
R499852		4.57	0.005	0.03	0.08	1.0	60	0.06	0.09	20.4	0.06	1.19	0.6	1	0.18	2.1
R499853		3.49	0.036	1.02	7.17	38.6	680	1.29	9.51	2.29	1.88	52.9	23.5	9	11.80	32.8
R499854		5.90	0.646	4.07	7.33	88.2	520	1.21	10.55	1.94	1.03	46.2	10.0	10	11.90	155.5
R499855		5.25	0.021	0.48	7.33	15.6	2360	1.44	1.80	2.46	0.12	46.6	8.7	12	10.55	101.0
R499856		7.84	1.235	5.06	7.29	677	960	1.32	7.66	0.52	2.14	42.3	8.7	13	10.50	52.7
R499857		2.51	2.69	5.66	5.63	145.5	930	0.88	7.72	0.73	0.44	21.7	18.6	12	4.99	16.7
R499858		4.33	0.046	1.32	7.35	48.3	1190	1.45	2.70	2.13	1.19	50.7	6.0	10	11.85	94.2
R499859		5.05	0.027	1.51	7.11	84.9	1020	1.54	2.77	2.03	5.93	49.2	4.7	8	14.70	143.0
R499860		8.09	0.108	3.45	7.39	182.0	360	1.39	5.83	1.15	9.41	41.0	13.2	10	10.05	451
R499861		1.94	0.477	24.5	6.15	595	970	1.06	24.5	0.17	7.81	32.5	49.3	10	5.13	1610
R499862		4.60	<0.005	0.05	0.08	2.1	20	0.06	0.10	21.8	0.10	1.14	0.6	1	0.14	4.9
R499863		10.69	0.179	4.47	7.03	228	1170	1.28	10.60	1.56	14.60	41.7	7.6	9	16.65	379
R499864		7.65	0.069	1.13	7.85	76.5	1880	1.26	1.63	2.22	2.74	49.9	8.8	10	14.00	35.8
R499865		0.33	0.345	4.38	7.12	753	980	1.27	3.58	2.18	10.60	47.8	13.6	24	13.75	329
R499866		8.63	0.137	17.55	8.00	104.5	1220	1.46	5.63	1.94	2.15	51.4	12.0	11	15.95	82.2
R499867		3.74	0.148	5.29	7.42	222	860	1.40	3.51	1.06	7.30	49.6	11.9	8	16.00	187.5
R499868		8.54	0.070	3.53	7.49	155.0	660	1.48	6.24	1.07	3.72	60.8	9.8	8	8.69	176.5
R499869		2.73	0.076	3.76	2.09	106.0	270	0.40	1.81	0.50	0.73	6.65	16.8	18	1.26	69.0
R499870		4.44	0.339	18.25	7.04	381	710	1.66	9.69	1.45	12.80	42.4	10.9	36	10.95	510
R499871		9.90	0.945	15.05	7.58	453	190	1.67	11.40	0.59	62.8	42.2	10.1	31	7.05	173.5
R499872		<0.02	0.924	14.80	7.72	433	220	1.80	9.86	0.59	64.9	41.2	9.9	30	6.82	162.5
R499873		5.97	0.752	7.70	7.45	481	220	1.70	12.45	0.36	44.6	36.6	14.5	35	5.65	90.4
R499874		5.45	0.054	0.88	7.27	40.3	1280	1.60	0.43	1.57	2.36	58.0	6.6	32	21.4	18.3
R499875		3.35	0.753	14.30	6.42	465	880	1.27	6.91	1.85	83.1	42.9	13.8	9	7.74	156.0
R499876		3.84	0.049	1.03	7.34	44.6	1980	1.62	1.35	2.44	0.96	47.5	8.9	8	9.04	22.8

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 15-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15096137

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
R499841		3.60	16.25	0.17	1.2	0.230	2.82	29.3	17.7	0.98	696	4.93	1.97	7.6	2.6	670
R499842		3.98	15.40	0.17	1.2	0.495	2.77	27.8	25.8	1.14	1020	8.70	0.51	7.1	2.6	610
R499843		2.94	16.30	0.17	1.3	0.398	2.64	29.6	32.7	0.89	473	21.4	1.71	8.8	2.4	680
R499844		2.90	14.35	0.16	1.1	0.297	2.61	25.4	23.8	1.04	866	18.90	0.44	7.0	1.8	530
R499845		2.97	16.75	0.12	1.3	0.391	2.48	23.3	24.1	0.76	468	7.00	1.71	8.9	3.3	610
R499846		2.89	16.95	0.11	1.4	0.402	2.61	26.5	15.5	0.76	496	7.66	1.90	9.2	2.3	610
R499847		4.17	16.55	0.13	1.0	0.226	2.73	24.3	31.8	0.77	1040	5.47	0.19	8.2	2.5	660
R499848		4.02	16.10	0.11	1.1	0.201	3.13	23.3	24.5	0.91	1960	3.83	0.06	8.5	2.4	640
R499849		3.66	16.25	0.12	1.2	0.175	2.83	25.1	23.6	0.83	2030	3.65	0.08	9.0	2.5	630
R499850		6.59	15.55	0.11	1.1	0.817	2.90	21.8	18.8	0.77	1820	9.30	0.13	6.6	11.6	540
R499851		6.65	15.50	0.10	1.1	0.393	3.11	22.7	11.0	1.08	1390	7.25	0.05	6.6	2.6	540
R499852		0.45	0.23	0.10	<0.1	<0.005	0.03	0.6	0.8	12.35	193	0.11	<0.01	0.2	1.3	190
R499853		4.70	15.90	0.12	1.0	0.349	3.30	27.2	17.8	0.91	1010	1.54	0.07	7.9	2.6	630
R499854		4.95	17.00	0.11	1.0	0.252	2.97	23.8	12.2	0.86	1140	8.16	0.74	8.0	2.5	620
R499855		3.32	17.00	0.11	1.2	0.139	2.63	23.6	12.2	0.92	669	2.81	1.78	8.8	2.7	640
R499856		8.18	19.60	0.11	1.0	0.305	3.45	21.7	6.4	0.54	579	5.46	0.05	6.9	2.9	580
R499857		11.55	15.90	0.09	0.8	0.156	2.62	11.1	5.2	0.43	328	4.88	0.05	4.3	2.9	450
R499858		4.10	17.00	0.11	1.1	0.316	3.25	27.1	17.8	0.90	1350	6.94	0.18	7.3	2.3	580
R499859		3.83	15.45	0.11	1.3	0.323	2.93	25.3	16.8	0.86	1950	4.23	0.05	7.2	3.9	590
R499860		5.89	16.30	0.10	0.9	0.554	3.53	19.0	7.6	0.81	2220	6.12	0.05	6.4	3.6	650
R499861		12.50	13.75	0.10	0.8	0.754	2.84	14.4	6.3	0.32	915	5.52	0.04	5.7	3.0	500
R499862		0.48	0.23	0.08	<0.1	0.007	0.04	0.5	0.8	13.25	195	0.11	<0.01	0.2	1.3	210
R499863		4.54	14.50	0.08	1.4	0.644	3.18	21.6	8.8	0.80	3150	11.50	0.05	5.4	3.1	530
R499864		3.82	16.40	0.11	1.5	0.185	3.18	26.0	20.6	0.84	1600	1.54	0.60	7.8	2.6	650
R499865		5.22	15.70	0.10	1.1	0.318	3.03	26.1	20.6	0.82	1990	15.25	0.17	6.2	13.5	550
R499866		4.54	16.25	0.11	1.4	0.250	3.23	27.8	20.0	0.81	1550	1.90	0.29	7.8	2.7	620
R499867		4.54	15.35	0.11	1.2	0.394	3.29	26.3	12.8	0.71	1560	4.58	0.05	5.7	2.8	600
R499868		4.57	16.25	0.11	1.4	0.350	3.54	32.5	7.0	0.87	1840	2.84	0.06	5.7	2.6	580
R499869		2.83	5.78	0.05	0.4	0.068	0.95	3.0	13.6	0.25	383	6.01	0.02	1.3	1.8	140
R499870		4.83	16.85	0.09	1.9	0.526	3.04	22.3	52.9	0.91	2310	4.88	0.07	9.4	8.8	940
R499871		6.31	20.1	0.10	1.8	0.727	3.60	20.6	8.6	0.57	796	2.39	0.05	10.2	6.9	820
R499872		6.26	20.0	0.09	1.8	0.732	3.63	20.1	8.7	0.57	781	2.24	0.05	10.2	6.7	840
R499873		6.52	20.1	0.09	1.7	0.529	3.52	17.9	7.6	0.45	248	10.80	0.05	9.5	7.8	860
R499874		2.05	18.20	0.11	3.7	0.062	1.79	30.9	245	0.74	554	1.72	0.23	10.1	19.1	660
R499875		5.94	14.20	0.10	1.3	1.355	2.93	22.7	14.8	0.89	937	2.09	0.06	5.4	5.1	510
R499876		3.64	14.85	0.12	1.2	0.227	3.57	25.6	8.5	1.09	1550	1.56	0.06	6.4	2.3	590

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VANCOUVER BC V6B 1L8

Finalized Date: 15-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15096137

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
R499841		54.5	137.0	0.002	0.35	3.04	11.7	1	2.6	388	0.59	0.18	13.8	0.284	1.66	4.3
R499842		275	159.0	<0.002	1.63	16.95	10.5	2	3.3	162.5	0.56	1.58	13.7	0.250	2.00	8.2
R499843		18.1	116.5	0.004	0.35	6.00	12.6	1	2.9	330	0.65	0.35	15.5	0.286	1.47	4.6
R499844		80.5	154.5	0.003	0.65	8.83	9.9	2	3.2	149.0	0.56	238	13.5	0.230	2.19	4.7
R499845		20.6	108.0	<0.002	0.45	8.41	10.8	1	3.0	288	0.66	0.37	13.4	0.260	1.59	4.1
R499846		20.9	113.5	0.002	0.44	5.56	11.5	1	3.4	310	0.68	0.60	14.1	0.256	1.74	4.8
R499847		34.9	133.0	0.002	1.19	6.40	12.3	1	3.4	120.5	0.59	0.55	12.6	0.265	1.99	3.9
R499848		48.8	153.5	<0.002	1.58	17.20	12.0	1	3.5	96.4	0.65	0.59	12.0	0.263	2.64	4.7
R499849		74.3	134.0	<0.002	1.18	16.00	10.8	1	3.8	98.0	0.69	0.59	13.3	0.255	2.34	4.4
R499850		1300	154.5	<0.002	4.88	66.9	9.2	1	7.7	97.0	0.53	1.03	10.9	0.209	2.56	5.1
R499851		70.9	182.5	0.002	5.18	28.8	9.8	2	7.2	70.0	0.53	2.44	10.4	0.217	2.47	2.8
R499852		1.9	1.5	<0.002	0.01	0.15	0.2	<1	<0.2	47.4	<0.05	<0.05	<0.2	<0.005	0.02	0.8
R499853		40.8	160.5	<0.002	2.83	6.95	10.7	2	4.5	123.5	0.55	4.62	11.7	0.255	2.67	3.6
R499854		77.3	156.0	0.002	2.80	5.62	12.0	1	5.5	180.5	0.55	0.82	11.1	0.260	2.08	3.8
R499855		18.2	109.5	<0.002	0.82	3.57	11.8	1	2.6	332	0.66	0.71	12.5	0.265	1.56	4.1
R499856		322	226	<0.002	7.89	12.65	10.8	1	20.1	26.6	0.53	1.02	11.6	0.234	2.74	3.5
R499857		109.5	135.5	<0.002	>10.0	3.72	8.2	3	12.2	25.5	0.36	2.53	9.6	0.152	1.78	2.7
R499858		44.3	203	<0.002	2.19	6.97	10.5	1	6.3	111.0	0.60	0.68	13.0	0.234	2.71	4.2
R499859		111.5	191.5	<0.002	1.24	29.5	9.0	1	4.6	106.5	0.67	0.32	14.5	0.216	2.77	2.8
R499860		194.0	204	0.003	3.78	30.8	10.9	2	7.9	57.6	0.48	0.68	10.4	0.224	3.04	2.6
R499861		481	136.5	0.002	>10.0	122.0	8.1	4	8.8	16.8	0.42	3.60	8.2	0.199	2.38	3.0
R499862		3.0	1.5	<0.002	0.02	0.38	0.2	<1	<0.2	46.9	<0.05	<0.05	<0.2	<0.005	0.02	0.6
R499863		424	204	0.003	1.87	37.3	8.8	1	3.5	75.7	0.47	0.57	12.6	0.198	3.01	3.0
R499864		179.5	158.0	0.002	1.15	6.57	10.4	1	2.0	219	0.61	0.19	13.3	0.252	2.51	3.9
R499865		504	157.5	0.003	2.91	30.4	9.0	1	5.3	112.0	0.50	0.30	11.6	0.220	2.39	5.2
R499866		180.5	165.0	0.002	2.11	10.50	10.8	1	2.3	130.5	0.58	8.47	12.9	0.255	2.35	4.1
R499867		471	192.0	0.003	3.47	44.1	10.0	1	4.3	43.1	0.46	0.84	11.5	0.214	2.84	3.0
R499868		182.5	206	<0.002	2.51	18.70	9.9	1	4.7	46.1	0.50	0.63	13.2	0.202	2.81	2.8
R499869		60.4	48.5	0.003	2.67	16.20	3.1	1	4.1	17.5	0.12	0.43	3.5	0.047	0.61	0.9
R499870		566	177.5	<0.002	3.18	74.6	11.6	1	5.3	77.9	0.61	0.48	8.4	0.266	3.01	4.1
R499871		1380	191.5	<0.002	6.07	28.9	9.3	2	14.6	32.8	0.70	0.92	9.5	0.249	3.04	3.9
R499872		1400	189.5	<0.002	6.08	28.0	9.3	2	14.8	31.6	0.67	0.89	9.6	0.251	3.10	3.9
R499873		298	163.0	<0.002	6.59	15.60	10.0	2	14.2	22.4	0.64	1.81	9.1	0.238	2.64	3.8
R499874		67.7	66.6	<0.002	0.26	6.84	5.8	<1	1.8	309	0.71	<0.05	11.1	0.264	1.29	5.6
R499875		3230	160.0	0.002	6.07	17.70	7.9	2	6.7	64.3	0.45	1.66	11.1	0.196	2.24	5.2
R499876		57.8	212	0.002	1.42	5.53	10.1	1	2.6	112.0	0.49	0.48	11.5	0.223	2.69	4.3

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
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Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 15-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15096137

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	V	W	Y	Zn	Zr
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	1	0.1	0.1	2	0.5
R499841		82	1.2	17.5	104	37.7
R499842		72	1.6	15.7	338	39.1
R499843		80	1.0	17.1	45	40.8
R499844		63	1.6	16.9	71	31.2
R499845		73	1.3	14.7	46	43.5
R499846		73	1.2	15.8	44	45.7
R499847		77	2.4	15.8	65	32.1
R499848		77	2.8	13.9	86	33.7
R499849		72	2.9	14.8	143	36.8
R499850		63	5.7	11.4	2410	33.9
R499851		65	3.8	10.6	141	30.8
R499852		2	0.1	0.8	15	<0.5
R499853		76	2.2	14.4	194	31.2
R499854		75	3.0	13.3	126	32.3
R499855		76	1.3	15.4	46	34.6
R499856		71	8.2	8.8	152	29.7
R499857		54	7.9	5.6	42	25.5
R499858		65	4.1	12.3	125	36.1
R499859		63	2.2	13.7	629	40.2
R499860		79	4.1	11.2	768	29.7
R499861		59	5.6	8.2	694	28.1
R499862		2	0.1	0.7	20	<0.5
R499863		66	3.2	11.7	2080	40.0
R499864		75	2.3	14.1	503	43.9
R499865		68	5.3	11.9	923	34.0
R499866		72	3.4	13.7	270	46.8
R499867		70	4.5	10.4	678	37.4
R499868		70	4.1	9.5	336	43.5
R499869		29	2.5	1.6	62	13.9
R499870		85	4.8	10.2	755	72.3
R499871		77	5.2	7.4	3090	64.8
R499872		78	5.2	6.8	3160	64.1
R499873		81	6.4	7.1	2120	64.5
R499874		53	1.7	11.1	206	162.5
R499875		58	3.4	7.9	6220	43.4
R499876		70	3.4	12.8	144	39.6

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: KLAZA

Finalized Date: 15-JUL-2015
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH15096137

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	ME-MS61

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1016 - 510 W HASTINGS STREET
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Finalized Date: 15-JUL-2015
Account: ROCKHA

CERTIFICATE WH15096138

Project: KLAZA

P.O. No.: BATCH 31

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 1-JUL-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21d	Sample logging - ClientBarCode Dup
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
SPL-21d	Split sample - duplicate
BAG-06	Double Bagging Coarse Rejects
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31d	Pulverize Split - duplicate

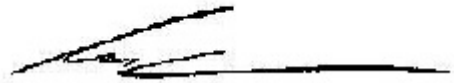
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 15-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15096138

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-AA24 Au ppm 0.005	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05	ME-MS61 Cu ppm 0.2
R499877		5.25	0.018	0.50	7.19	60.5	2380	1.80	0.79	2.46	0.24	47.6	6.1	11	21.9	71.9
R499878		11.62	0.040	1.11	7.45	83.8	1880	1.71	1.89	1.99	0.35	42.7	6.2	8	12.55	191.0
R499879		10.75	0.028	1.69	7.40	91.9	1830	1.70	2.45	2.01	0.26	44.7	4.1	9	15.40	151.5
R499880		<0.02	0.032	1.27	7.49	92.4	1840	1.79	2.32	2.02	0.25	46.5	4.4	8	15.30	146.5
R499881		4.09	0.011	0.56	7.39	28.0	2930	1.53	0.87	1.73	0.21	36.9	2.9	8	11.30	78.2
R499882		5.29	0.037	0.66	7.11	37.7	3160	1.68	1.45	1.93	0.53	40.5	5.9	7	43.2	91.0
R499883		4.23	0.081	1.31	7.28	195.0	2010	1.70	1.71	3.19	1.97	51.1	4.1	8	18.45	62.9
R499884		0.32	0.354	4.54	6.89	723	1140	1.50	3.88	2.10	10.45	49.4	12.5	24	14.05	314
R499885		4.68	0.022	0.53	7.80	54.6	2090	1.68	0.94	2.30	0.36	46.6	1.9	8	18.05	19.3
R499886		4.00	0.175	5.12	7.00	314	1580	1.91	4.76	2.35	18.05	44.7	2.2	7	17.45	113.0
R499887		9.57	0.020	0.53	7.26	65.9	2260	1.82	1.37	3.81	0.36	49.1	5.3	8	16.25	56.2
R499888		5.06	0.034	0.65	7.54	58.9	1970	1.97	1.01	2.24	0.64	43.5	10.7	8	22.9	80.1
R499889		3.56	0.092	3.74	6.82	203	1460	1.52	1.16	3.07	5.02	43.8	5.9	7	19.85	142.0
R499890		6.80	0.952	4.30	6.85	1135	740	1.66	2.77	2.03	16.90	45.5	12.9	69	16.05	31.4
R499891		4.61	<0.005	0.01	0.09	1.2	20	0.09	0.03	20.0	0.07	1.70	0.8	1	0.24	2.2
R499892		4.62	0.192	8.88	6.75	1350	920	1.58	5.03	2.32	24.0	40.0	16.8	91	8.36	42.0
R499893		4.94	0.105	7.81	7.03	288	1370	1.44	7.03	2.15	1.07	45.7	11.4	43	12.50	38.9
R499894		6.28	0.132	3.44	6.78	508	1350	1.47	4.61	1.23	10.15	57.7	19.0	8	6.43	16.6
R499895		5.42	0.145	3.91	7.06	463	1630	1.71	3.01	2.08	4.32	66.7	15.2	9	7.77	34.9
R499896		2.07	0.675	3.92	6.12	890	840	1.57	3.45	3.73	5.71	43.5	12.5	51	15.85	31.8
R499897		4.99	0.317	11.75	6.75	954	1130	1.65	6.83	2.14	11.75	41.1	13.6	91	9.21	92.9
R499898		2.76	0.339	11.40	6.77	1170	1040	1.75	8.49	2.35	10.05	40.3	14.3	78	8.94	91.3
R499899		7.87	0.104	11.45	6.81	318	1050	1.68	16.15	2.61	4.18	38.5	10.9	69	8.05	151.5
R499900		2.44	1.370	10.30	6.80	1420	290	1.81	11.85	1.78	34.2	31.0	15.2	103	10.70	38.2
R499901		0.30	0.942	11.80	6.36	1550	1240	1.42	12.55	1.83	31.8	44.1	18.0	19	13.75	280
R499902		9.32	0.090	2.52	7.06	119.0	1010	1.53	1.25	2.83	18.25	42.6	10.0	62	11.70	30.3
R499903		3.74	0.414	7.05	6.75	328	560	1.47	0.95	2.38	73.5	48.8	10.9	62	11.80	44.7
R499904		6.72	0.687	6.24	6.76	448	810	1.57	1.03	1.84	52.0	49.1	12.9	73	10.95	55.5
R499905		8.09	0.560	7.28	6.86	481	550	1.47	5.66	0.57	15.85	49.9	8.4	16	6.75	107.5
R499906		9.78	0.126	0.86	6.45	77.0	1980	1.87	2.45	2.08	0.58	39.0	6.8	8	44.0	140.0
R499907		10.95	0.119	5.49	7.15	97.4	1450	1.57	7.28	0.60	5.94	28.4	2.7	8	6.71	109.5
R499908		6.62	0.144	9.09	7.38	188.0	1380	1.64	12.65	1.34	8.91	27.6	3.1	9	6.91	167.0
R499909		8.02	0.331	9.79	7.24	1420	1140	1.70	3.44	1.56	24.2	35.5	7.8	9	8.37	71.3
R499910		4.51	<0.005	0.03	0.06	2.3	30	0.06	0.04	20.2	0.11	1.40	0.8	1	0.17	2.3
R499911		8.09	0.215	3.47	7.11	426	1860	1.39	1.35	3.07	19.00	36.4	9.9	63	14.80	41.7
R499912		9.79	0.066	5.79	7.21	251	1320	1.50	6.06	2.87	5.17	40.6	11.3	82	13.55	152.5

***** See Appendix Page for comments regarding this certificate *****

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VANCOUVER BC V6B 1L8

Finalized Date: 15-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15096138

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
R499877		3.33	15.80	0.13	1.9	0.151	2.94	24.8	21.3	0.83	1120	2.16	0.06	7.7	3.7	750
R499878		3.85	15.90	0.14	1.5	0.239	3.06	21.9	32.9	0.71	966	1.74	0.14	7.0	2.2	610
R499879		4.11	15.85	0.13	1.4	0.222	3.15	23.7	16.4	0.80	1080	1.95	0.39	7.0	2.4	600
R499880		4.15	15.85	0.14	1.4	0.210	3.15	24.4	16.6	0.81	1080	2.37	0.39	7.1	2.5	610
R499881		3.86	15.35	0.13	1.4	0.117	3.29	19.2	26.1	0.68	920	3.79	0.78	7.3	2.0	610
R499882		3.40	15.45	0.14	1.5	0.240	3.48	21.1	21.6	0.71	823	5.27	0.09	6.7	2.0	570
R499883		4.01	15.30	0.15	1.5	0.145	3.17	28.2	10.7	1.24	1450	18.45	0.05	6.7	2.5	570
R499884		5.26	15.50	0.13	1.1	0.309	3.09	28.7	23.8	0.81	1920	15.15	0.16	6.1	14.8	520
R499885		3.30	16.35	0.14	1.4	0.194	3.51	24.8	10.0	0.96	1300	4.05	0.05	7.4	1.7	650
R499886		4.52	15.25	0.14	1.3	0.499	3.08	24.8	14.6	1.11	2210	20.6	0.04	6.6	2.8	560
R499887		3.70	14.95	0.14	1.4	0.253	3.14	27.4	13.1	1.42	1340	1.24	0.05	6.5	2.2	600
R499888		3.22	15.65	0.12	1.4	0.178	3.12	23.5	17.4	0.98	1100	1.59	0.05	7.0	2.8	610
R499889		3.07	14.50	0.13	1.5	0.115	2.95	22.9	9.8	1.05	2330	2.01	0.06	7.3	2.3	540
R499890		4.36	16.20	0.13	1.9	0.597	3.03	25.1	12.5	0.84	3240	2.47	0.04	7.3	27.5	650
R499891		0.45	0.25	<0.05	<0.1	<0.005	0.04	0.8	1.0	12.60	200	0.12	0.01	0.2	1.3	200
R499892		5.12	15.55	0.11	1.7	0.380	3.26	21.9	6.9	1.17	3100	1.67	0.04	6.4	36.9	630
R499893		3.71	15.35	0.12	1.5	0.269	2.99	24.4	26.0	1.07	1830	3.42	0.06	7.0	15.0	600
R499894		5.22	15.70	0.15	1.3	0.285	3.32	30.7	30.1	0.87	1380	6.48	0.05	5.8	2.9	570
R499895		4.22	16.30	0.15	1.2	0.254	3.50	37.4	37.8	1.14	2320	0.95	0.05	5.7	3.3	570
R499896		4.65	13.80	0.11	1.4	0.279	2.64	23.7	14.6	1.46	3190	2.29	0.03	6.0	24.8	570
R499897		5.29	16.20	0.12	1.6	0.607	3.03	22.6	129.5	1.32	2630	1.29	0.06	6.1	35.6	620
R499898		5.68	15.90	0.13	1.6	0.570	3.06	22.2	123.0	1.35	2730	1.12	0.06	6.1	34.5	620
R499899		4.66	15.50	0.11	1.6	0.764	3.07	20.4	109.0	1.27	2100	1.15	0.06	6.3	26.8	610
R499900		8.30	15.60	0.15	1.7	0.468	3.08	15.0	81.6	1.04	1930	1.18	0.04	5.7	40.9	620
R499901		6.49	15.00	0.15	1.1	0.792	2.83	23.3	20.2	0.77	1800	9.47	0.13	6.5	12.5	520
R499902		3.42	15.80	0.12	1.7	0.203	3.18	23.9	72.2	1.42	2280	1.50	0.07	6.6	22.7	660
R499903		4.19	16.25	0.12	1.7	0.235	3.25	25.2	15.2	1.16	3040	3.05	0.03	6.6	26.6	610
R499904		4.66	16.20	0.14	1.7	0.365	3.26	26.7	26.1	1.10	2490	2.80	0.04	6.5	31.0	600
R499905		5.85	15.20	0.17	1.4	0.695	3.47	25.6	6.6	0.48	1840	2.64	0.04	6.5	6.4	540
R499906		3.66	14.70	0.14	1.3	0.249	3.05	19.7	21.3	0.82	1070	2.38	0.07	6.6	2.6	570
R499907		3.72	13.85	0.13	1.3	0.413	3.66	14.9	10.9	0.57	1480	10.15	0.05	6.4	1.5	610
R499908		3.43	13.40	0.13	1.5	0.409	3.68	15.2	22.9	0.76	1740	5.84	0.05	7.2	1.4	580
R499909		3.74	15.45	0.15	1.3	0.306	3.60	18.0	9.2	0.77	1370	6.18	0.04	6.8	2.6	600
R499910		0.47	0.21	<0.05	<0.1	<0.005	0.03	0.7	1.0	12.70	222	0.09	<0.01	0.2	1.3	180
R499911		3.35	15.40	0.11	1.6	0.195	3.35	19.4	14.3	1.29	1640	1.70	0.08	6.7	25.4	630
R499912		3.77	16.25	0.11	1.8	0.356	3.33	21.7	22.9	1.21	2110	2.23	0.21	7.1	31.6	660

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 15-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15096138

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
R499877		31.0	117.5	<0.002	0.61	9.18	9.7	1	1.5	172.5	0.62	0.12	10.7	0.260	2.55	6.6
R499878		53.4	118.0	0.002	1.08	10.25	10.4	1	1.8	142.0	0.64	0.21	13.1	0.243	2.23	3.5
R499879		36.9	120.5	0.003	0.94	9.62	10.9	1	1.7	123.0	0.65	0.67	13.1	0.250	2.32	4.2
R499880		36.2	124.0	0.003	0.98	9.49	11.0	1	1.7	124.0	0.63	0.49	12.9	0.249	2.28	4.1
R499881		25.3	126.5	0.008	0.23	13.40	10.9	1	1.5	177.0	0.64	0.08	12.5	0.263	2.06	5.2
R499882		46.8	131.0	0.003	0.63	9.35	10.2	1	2.6	135.0	0.63	0.21	12.1	0.238	2.19	5.2
R499883		144.5	148.5	0.003	1.16	11.80	10.5	1	3.7	114.0	0.62	0.15	14.0	0.236	2.70	4.6
R499884		491	166.0	0.004	2.81	28.1	9.5	1	5.6	111.5	0.52	0.32	12.0	0.210	2.62	5.4
R499885		41.1	135.5	<0.002	0.38	7.93	11.6	1	2.4	96.0	0.58	<0.05	12.8	0.267	2.81	4.2
R499886		822	159.5	0.004	1.84	17.10	10.3	1	3.7	94.9	0.54	0.21	12.0	0.236	2.66	8.1
R499887		31.7	144.0	<0.002	0.68	8.94	10.7	1	2.0	173.0	0.54	0.11	12.5	0.241	2.57	3.5
R499888		36.8	134.5	<0.002	0.44	11.75	11.2	1	2.1	112.5	0.59	0.08	11.5	0.264	2.55	3.2
R499889		205	143.5	<0.002	1.41	15.50	9.8	<1	1.7	152.5	0.63	0.09	12.4	0.233	3.26	3.8
R499890		517	198.0	<0.002	3.44	15.45	10.9	1	4.1	211	0.60	0.58	10.5	0.241	3.24	6.0
R499891		1.8	1.8	<0.002	0.01	0.06	0.2	<1	<0.2	47.2	<0.05	<0.05	0.5	<0.005	0.02	1.0
R499892		1210	221	<0.002	3.22	14.50	10.4	1	3.4	125.0	0.57	1.01	9.3	0.215	3.32	4.1
R499893		213	169.5	0.003	1.52	10.65	10.7	1	1.6	220	0.60	2.87	12.1	0.235	2.85	5.4
R499894		326	215	0.007	3.65	5.71	10.5	1	4.8	66.5	0.54	0.71	12.6	0.210	3.08	4.1
R499895		229	251	<0.002	1.95	7.25	10.9	1	2.3	82.1	0.48	0.27	13.1	0.215	3.62	3.0
R499896		378	196.5	<0.002	2.79	12.45	9.4	1	2.1	212	0.52	0.31	9.9	0.198	3.01	5.7
R499897		507	225	<0.002	2.40	17.50	10.4	1	3.0	100.5	0.51	0.25	9.5	0.204	3.18	4.3
R499898		510	228	<0.002	2.91	16.60	9.9	1	4.6	101.0	0.53	0.30	9.5	0.203	3.10	4.3
R499899		444	215	<0.002	1.79	11.30	9.3	1	1.8	136.0	0.56	0.32	9.3	0.204	3.41	4.4
R499900		1480	185.0	<0.002	7.17	10.00	10.3	2	5.2	104.5	0.51	1.47	8.0	0.208	3.20	4.1
R499901		1280	160.0	<0.002	4.70	62.6	9.5	1	7.8	97.9	0.54	1.24	11.4	0.212	2.66	5.2
R499902		867	256	<0.002	0.95	11.45	9.3	1	1.9	146.0	0.58	<0.05	10.5	0.209	3.51	4.7
R499903		2420	240	<0.002	2.13	14.15	9.6	1	3.3	74.6	0.58	<0.05	10.3	0.203	3.69	4.7
R499904		2020	236	<0.002	2.61	13.75	10.5	<1	6.3	70.0	0.55	<0.05	10.2	0.209	3.45	4.4
R499905		619	237	0.002	4.95	18.40	10.6	1	5.9	23.1	0.56	0.32	14.4	0.215	3.59	3.6
R499906		45.5	121.5	0.002	0.80	10.75	10.1	1	3.3	123.5	0.56	0.25	11.2	0.222	2.23	4.0
R499907		207	239	0.022	1.20	14.05	11.4	<1	3.3	26.4	0.51	0.19	13.5	0.232	3.41	3.4
R499908		317	259	0.002	1.17	27.7	10.8	<1	2.7	65.3	0.64	0.13	15.1	0.241	3.69	3.6
R499909		1270	254	0.013	2.30	21.0	11.4	1	5.0	89.5	0.54	0.21	11.9	0.238	3.70	3.7
R499910		3.2	1.6	<0.002	<0.01	0.18	0.2	<1	<0.2	52.1	<0.05	<0.05	<0.2	<0.005	0.02	0.6
R499911		567	216	<0.002	1.09	12.45	10.2	<1	3.0	201	0.60	<0.05	10.5	0.228	3.31	4.6
R499912		242	201	<0.002	1.40	15.50	10.5	<1	1.9	180.0	0.60	0.15	9.8	0.235	3.02	4.9

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 15-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15096138

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	V	W	Y	Zn	Zr
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	1	0.1	0.1	2	0.5
R499877		71	3.3	15.2	75	61.8
R499878		72	2.9	14.0	105	38.9
R499879		72	2.5	13.9	97	36.4
R499880		73	2.5	13.9	100	35.6
R499881		72	2.4	12.7	99	36.1
R499882		70	3.1	13.3	88	41.5
R499883		67	3.0	15.3	212	36.0
R499884		68	5.7	12.6	885	28.1
R499885		76	3.6	15.5	85	37.2
R499886		68	3.7	11.4	1410	35.2
R499887		71	2.8	17.2	94	33.4
R499888		74	3.7	15.4	103	36.6
R499889		64	4.3	13.5	356	42.1
R499890		76	6.1	10.5	1260	63.2
R499891		3	0.1	0.9	16	<0.5
R499892		77	5.4	10.2	1950	53.0
R499893		74	3.5	12.2	126	45.0
R499894		68	7.8	9.7	732	35.8
R499895		72	10.3	11.8	422	35.4
R499896		66	6.5	10.9	495	44.0
R499897		77	5.7	9.9	1000	53.6
R499898		75	5.0	9.8	877	52.8
R499899		73	3.5	10.1	368	51.4
R499900		79	5.6	8.8	2580	53.7
R499901		63	6.3	11.1	2320	30.3
R499902		74	3.3	10.4	1270	52.2
R499903		73	6.4	9.6	4790	51.4
R499904		77	4.3	9.4	3230	51.4
R499905		70	7.1	8.0	1140	40.9
R499906		66	3.0	13.1	99	39.6
R499907		72	10.4	7.4	496	39.2
R499908		64	8.6	9.9	687	39.8
R499909		75	5.7	10.7	1900	39.2
R499910		2	0.2	0.8	20	<0.5
R499911		77	3.9	10.4	1500	49.8
R499912		81	4.0	10.5	453	54.0

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: KLAZA

Finalized Date: 15-JUL-2015
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH15096138

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	ME-MS61

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Finalized Date: 15-JUL-2015
Account: ROCKHA

CERTIFICATE WH15096141

Project: KLAZA

P.O. No.: BATCH 32

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 1-JUL-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21d	Sample logging - ClientBarCode Dup
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
SPL-21d	Split sample - duplicate
BAG-06	Double Bagging Coarse Rejects
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31d	Pulverize Split - duplicate

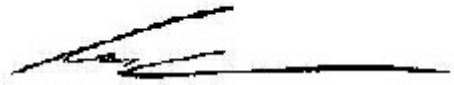
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Zn-OG62	Ore Grade Zn - Four Acid	VARIABLE
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.

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Finalized Date: 15-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15096141

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
R498633		5.02	<0.005	0.08	6.54	11.9	1610	1.18	0.17	2.15	0.18	37.9	5.2	9	14.60	8.3
R498634		1.38	0.016	2.16	5.98	46.7	1670	1.47	0.51	2.76	7.85	43.0	9.4	7	13.10	56.6
R498635		11.84	<0.005	0.13	6.87	10.4	1920	1.40	0.24	2.14	0.19	43.2	5.9	9	13.95	7.2
R498636		1.01	0.010	1.70	6.35	24.4	1640	1.58	0.31	3.58	14.85	48.2	7.0	6	14.45	29.0
R498637		5.64	<0.005	0.17	6.35	19.8	2160	1.43	0.24	3.26	0.25	45.9	7.0	8	13.70	8.9
R498638		<0.02	<0.005	0.17	6.34	19.4	2240	1.45	0.23	3.36	0.29	43.8	6.9	8	14.10	8.2
R498639		2.10	<0.005	0.09	6.71	11.6	1760	1.46	0.27	2.80	0.08	39.1	7.7	10	13.25	4.5
R498640		1.20	0.007	2.38	4.12	93.6	3240	1.29	0.19	3.90	7.64	25.5	7.7	7	24.9	13.8
R498641		4.56	0.014	0.31	7.50	19.0	4300	1.41	0.56	1.37	0.33	52.0	15.4	9	11.85	7.3
R498642		3.31	0.252	7.34	6.53	318	2320	1.66	1.23	0.30	3.43	48.3	18.0	7	19.10	328
R498643		1.18	0.838	46.5	4.80	632	1540	1.59	2.84	0.25	24.1	34.6	27.8	7	13.20	269
R498644		4.55	<0.005	0.07	0.07	1.4	30	0.05	0.07	20.1	0.11	1.19	0.6	<1	0.19	2.1
R498645		5.06	<0.005	0.56	6.84	42.1	2340	1.60	0.29	1.66	1.84	34.3	8.6	9	20.9	20.1
R498646		1.33	0.092	9.87	5.64	593	5350	1.34	2.34	1.61	8.05	30.6	10.8	7	17.95	66.2
R498647		4.81	<0.005	0.74	7.33	57.0	2030	1.56	0.22	1.01	1.33	38.4	7.0	9	15.80	19.2
R498648		2.94	<0.005	0.78	7.25	59.8	1800	1.88	0.37	1.12	1.17	38.3	8.2	9	15.50	19.3
R498649		8.96	0.012	0.35	6.85	18.8	2300	1.45	0.66	2.02	0.24	37.6	7.4	10	20.9	15.7
R498650		8.82	<0.005	0.10	6.84	9.2	2060	1.31	0.14	2.33	0.20	35.2	6.3	12	15.90	8.9
R498651		2.10	<0.005	0.11	6.55	14.7	1900	1.60	0.38	2.01	0.40	37.2	5.1	8	15.85	11.1
R498652		0.29	0.925	10.70	6.40	1560	180	1.34	12.65	1.88	30.3	42.7	17.8	19	13.45	296
R498653		2.78	0.098	2.50	6.60	397	3160	1.58	0.37	0.40	5.03	48.6	6.7	9	19.25	367
R498654		1.95	5.44	1.82	6.67	121.5	3870	1.42	0.45	2.02	0.87	40.9	12.8	8	19.95	168.0
R498655		7.67	0.008	1.09	6.93	11.9	2180	1.70	0.33	2.51	0.30	46.3	6.6	11	16.65	54.9
R498656		1.78	0.171	73.5	6.66	596	1470	1.25	1.07	2.21	146.5	43.5	4.5	9	15.70	253
R498657		4.65	<0.005	0.15	0.05	1.2	30	0.05	0.02	20.0	0.27	0.99	0.6	1	0.12	2.2
R498658		4.33	0.234	1.01	6.77	121.0	3320	1.22	0.52	2.24	1.84	40.0	15.5	10	11.25	97.9
R498659		3.03	0.691	33.6	6.92	932	210	1.11	1.37	1.99	12.55	43.2	21.9	8	12.55	1100
R498660		3.33	0.015	1.19	6.88	96.4	860	1.12	1.14	2.65	0.93	44.8	18.8	6	14.35	88.8
R498661		3.42	0.017	1.52	7.44	75.3	740	1.20	1.12	3.30	0.25	45.9	10.0	6	16.55	137.5
R498662		0.30	0.350	4.21	6.70	718	410	1.33	3.19	2.08	10.20	50.0	12.1	25	13.75	323
R498663		9.88	0.015	0.74	6.85	60.3	2460	1.47	1.43	1.56	0.45	54.0	7.3	9	13.30	42.8
R498664		2.09	0.533	39.1	6.05	1255	550	1.13	3.70	0.90	6.04	39.9	14.7	7	12.25	1830
R498665		9.97	0.577	2.24	6.74	117.5	2340	1.50	0.62	1.98	0.74	44.8	10.9	11	12.65	483
R498666		3.03	0.022	1.25	7.28	72.0	1940	1.58	1.48	2.86	0.37	54.6	13.2	15	16.15	99.8
R498667		3.34	<0.005	0.51	7.55	34.9	3720	1.60	2.10	1.79	0.21	49.0	10.1	9	13.10	17.9
R498668		1.81	0.037	1.31	6.56	172.5	2250	1.42	1.72	3.22	0.57	46.6	12.7	7	10.85	11.8

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 15-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15096141

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
R498633		2.50	14.10	0.13	1.4	0.032	2.95	18.7	46.8	0.58	1060	0.66	0.32	8.0	1.8	520
R498634		2.45	12.35	0.13	1.2	0.098	3.11	22.8	29.3	0.91	2120	1.47	0.05	5.9	2.2	420
R498635		2.63	14.65	0.15	1.4	0.033	3.02	21.5	43.8	0.67	962	0.76	0.52	8.1	2.1	530
R498636		2.49	13.50	0.16	1.4	0.056	3.11	25.0	40.2	0.91	2850	0.57	0.17	7.3	1.8	480
R498637		2.26	13.40	0.17	1.2	0.031	2.97	24.0	48.6	0.92	1220	0.57	0.22	6.7	1.9	480
R498638		2.31	13.85	0.16	1.2	0.031	3.06	22.5	49.2	0.93	1240	0.73	0.23	6.9	1.8	490
R498639		2.82	15.40	0.16	1.2	0.037	3.42	18.6	72.8	0.66	823	0.90	0.74	8.3	2.0	590
R498640		2.85	11.05	0.12	0.9	0.034	2.15	12.0	31.5	0.12	3800	3.11	0.03	5.3	2.4	390
R498641		3.98	13.80	0.15	1.7	0.149	4.04	27.3	17.9	0.21	982	4.18	1.27	8.5	2.0	590
R498642		4.19	12.45	0.13	1.4	0.241	2.75	26.8	87.4	0.18	2790	7.79	0.04	7.4	2.5	450
R498643		4.04	10.35	0.11	0.7	0.142	2.15	19.5	75.8	0.13	18300	8.18	0.04	4.5	4.5	360
R498644		0.49	0.21	0.15	<0.1	0.007	0.03	0.6	1.1	12.70	256	0.11	0.01	0.2	1.3	160
R498645		2.92	16.00	0.17	1.4	0.058	2.87	16.1	133.0	0.27	1320	2.38	0.07	8.7	2.6	610
R498646		3.89	13.85	0.12	1.2	0.148	3.22	14.4	37.5	0.19	5710	4.27	0.04	6.9	3.3	470
R498647		2.73	16.10	0.15	1.3	0.051	2.68	18.7	101.5	0.19	1260	3.71	0.06	8.6	2.6	610
R498648		2.85	16.20	0.15	1.3	0.054	2.76	18.6	104.5	0.18	1600	3.36	0.05	9.1	2.6	620
R498649		2.91	14.90	0.15	1.3	0.086	3.10	18.2	49.0	0.48	880	1.54	0.95	8.1	2.4	610
R498650		2.96	16.05	0.14	1.3	0.038	2.93	17.0	36.6	0.42	788	1.34	0.49	8.8	2.6	620
R498651		2.60	13.70	0.14	1.8	0.062	2.56	18.8	38.2	0.31	661	0.88	1.61	8.5	2.0	510
R498652		6.67	14.30	0.14	1.0	0.762	2.91	21.7	20.4	0.77	1880	8.18	0.13	6.1	10.5	520
R498653		3.51	14.00	0.13	1.9	0.112	2.86	26.9	55.8	0.19	2370	1.85	0.58	7.3	2.0	420
R498654		2.81	13.50	0.15	1.8	0.050	3.65	20.6	32.6	0.55	2040	0.86	0.51	8.1	2.2	520
R498655		3.02	15.20	0.15	1.5	0.059	3.11	22.5	12.1	0.69	1300	1.39	1.90	8.7	2.3	590
R498656		3.54	14.65	0.16	1.1	0.655	3.30	21.9	27.9	0.61	3780	2.59	0.65	7.3	2.2	550
R498657		0.45	0.16	0.16	<0.1	0.006	0.02	0.5	0.9	12.70	201	0.09	<0.01	0.1	1.2	180
R498658		4.19	14.20	0.15	1.1	0.132	3.28	19.4	10.3	0.74	2000	1.16	1.47	8.2	2.3	590
R498659		7.21	15.05	0.14	1.4	0.376	3.74	20.3	16.0	0.71	7870	1.40	0.04	8.4	2.4	600
R498660		4.83	14.10	0.13	1.6	0.199	3.24	22.1	35.4	0.95	3430	0.34	0.03	8.4	2.2	510
R498661		5.42	16.15	0.13	1.7	0.218	3.81	22.3	30.7	1.09	3320	0.72	0.03	9.0	2.4	550
R498662		5.14	14.65	0.13	1.0	0.290	3.05	27.9	25.8	0.80	1980	13.90	0.16	5.9	12.8	530
R498663		3.58	13.80	0.14	1.8	0.227	3.24	29.2	41.2	0.65	2270	1.15	0.03	8.4	2.0	490
R498664		5.28	12.25	0.13	1.2	0.349	2.92	21.4	20.8	0.39	3550	1.44	0.02	6.2	1.8	410
R498665		3.99	14.85	0.13	1.4	0.168	3.19	23.0	16.5	0.69	2380	0.94	0.86	7.9	2.7	550
R498666		4.98	16.80	0.14	1.4	0.209	3.43	27.8	25.5	1.13	4680	0.44	0.20	8.3	3.1	610
R498667		4.21	16.80	0.15	1.4	0.165	2.56	24.6	22.4	0.65	1910	0.20	2.30	8.8	2.8	640
R498668		3.82	14.60	0.13	1.1	0.154	2.13	25.5	20.8	1.15	1370	0.22	1.70	6.8	2.4	520

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 15-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15096141

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
R498633		27.7	95.0	<0.002	0.08	10.40	8.1	1	1.7	212	0.65	<0.05	11.9	0.237	1.40	2.6
R498634		1000	147.0	<0.002	0.56	37.8	7.3	1	1.5	133.5	0.55	<0.05	12.4	0.195	2.18	3.8
R498635		23.2	100.5	<0.002	0.11	11.00	8.6	<1	1.8	212	0.67	<0.05	12.9	0.238	1.46	4.1
R498636		734	110.5	<0.002	0.32	20.1	7.7	1	1.8	241	0.67	<0.05	13.9	0.217	1.87	6.3
R498637		22.6	111.5	<0.002	0.19	10.65	7.7	1	1.6	256	0.61	<0.05	12.9	0.215	1.80	5.9
R498638		22.7	104.5	<0.002	0.19	10.85	7.7	1	1.7	262	0.63	<0.05	12.0	0.219	1.84	5.3
R498639		18.2	113.5	<0.002	0.06	6.17	9.2	1	2.0	249	0.64	<0.05	11.4	0.258	1.83	3.5
R498640		250	84.6	<0.002	0.06	27.6	5.4	1	2.1	62.3	0.44	<0.05	6.1	0.183	2.00	2.9
R498641		11.2	173.0	<0.002	0.04	7.04	9.6	1	1.6	141.0	0.67	<0.05	17.2	0.256	2.05	3.3
R498642		151.0	160.5	<0.002	0.12	63.7	8.4	1	1.6	48.3	0.60	0.05	17.1	0.215	2.44	5.2
R498643		2460	111.0	<0.002	0.24	109.5	6.3	<1	2.1	163.0	0.38	<0.05	9.2	0.155	2.32	7.3
R498644		4.5	1.4	<0.002	<0.01	0.34	0.2	<1	<0.2	46.2	<0.05	<0.05	<0.2	<0.005	<0.02	0.6
R498645		28.2	123.0	<0.002	0.10	27.8	9.0	<1	1.6	139.0	0.68	<0.05	10.7	0.268	2.84	3.3
R498646		709	162.0	<0.002	0.22	73.4	8.6	1	2.0	102.5	0.56	<0.05	9.1	0.229	3.06	5.0
R498647		30.9	122.5	<0.002	0.08	25.8	10.1	1	1.8	102.5	0.65	<0.05	12.2	0.276	2.84	4.5
R498648		25.9	132.0	<0.002	0.05	25.8	10.3	1	1.8	91.9	0.69	<0.05	11.6	0.277	3.29	4.3
R498649		13.9	114.5	<0.002	0.08	9.35	9.3	1	1.5	199.0	0.58	<0.05	10.5	0.267	2.16	3.2
R498650		19.2	95.1	<0.002	0.02	10.60	9.7	1	1.9	132.5	0.66	<0.05	10.6	0.279	1.33	3.2
R498651		15.0	103.5	<0.002	0.04	7.03	8.3	1	1.8	159.0	0.68	<0.05	14.8	0.235	1.53	2.9
R498652		1310	146.5	<0.002	4.81	62.3	8.7	2	8.0	94.0	0.50	1.23	10.8	0.221	2.44	4.8
R498653		129.5	142.0	<0.002	0.58	89.1	7.9	1	2.0	101.0	0.66	<0.05	20.3	0.192	2.04	4.8
R498654		40.1	153.0	<0.002	0.68	21.4	8.2	1	1.5	150.0	0.63	0.12	15.0	0.239	2.29	5.2
R498655		237	117.0	<0.002	0.04	4.85	9.6	1	1.7	314	0.64	<0.05	13.5	0.264	1.48	3.4
R498656		2220	154.5	<0.002	1.80	197.5	9.5	1	10.3	155.0	0.56	<0.05	11.4	0.250	2.12	3.0
R498657		5.4	1.0	<0.002	<0.01	0.46	0.1	<1	<0.2	46.0	<0.05	<0.05	<0.2	<0.005	<0.02	0.5
R498658		92.7	128.5	<0.002	0.41	9.23	9.7	1	1.9	242	0.58	<0.05	11.1	0.259	1.98	3.9
R498659		2270	169.0	<0.002	4.84	128.0	9.9	1	3.2	48.3	0.65	0.10	12.0	0.256	3.07	4.6
R498660		36.3	137.0	<0.002	0.86	21.7	8.7	1	1.4	58.1	0.68	<0.05	14.9	0.230	3.00	7.0
R498661		20.9	157.0	<0.002	0.44	19.45	8.6	1	1.4	66.8	0.73	<0.05	15.7	0.237	3.68	6.1
R498662		493	161.5	0.003	2.78	28.6	8.9	1	5.7	109.0	0.48	0.33	11.5	0.216	2.46	4.8
R498663		25.2	197.0	<0.002	0.32	18.75	8.8	1	1.4	66.7	0.66	<0.05	18.7	0.228	2.80	7.4
R498664		568	177.0	<0.002	3.55	231	7.3	1	2.3	37.4	0.52	0.08	13.9	0.198	2.62	4.2
R498665		28.5	142.5	<0.002	0.65	22.8	10.0	1	1.6	155.5	0.65	0.13	14.2	0.240	2.31	4.1
R498666		42.3	160.5	<0.002	0.72	15.10	13.8	1	2.0	109.0	0.68	0.14	12.0	0.271	3.11	3.7
R498667		22.3	117.0	<0.002	0.32	8.01	12.1	1	1.7	218	0.72	0.08	13.7	0.276	2.09	2.3
R498668		42.0	107.5	<0.002	0.46	11.65	9.7	1	1.5	201	0.59	0.07	11.8	0.227	1.74	7.0

***** See Appendix Page for comments regarding this certificate *****

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Finalized Date: 15-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15096141

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Zn-OG62
	Analyte	V	W	Y	Zn	Zr	Zn
	Units	ppm	ppm	ppm	ppm	ppm	%
	LOR	1	0.1	0.1	2	0.5	0.001
R498633		61	2.8	13.1	59	46.1	
R498634		54	3.4	12.9	965	37.9	
R498635		64	3.7	14.4	59	43.4	
R498636		56	2.3	16.4	1440	42.1	
R498637		56	3.0	15.2	66	38.5	
R498638		57	2.9	14.7	69	38.1	
R498639		71	2.9	13.5	51	36.0	
R498640		54	5.1	10.3	436	28.4	
R498641		65	9.1	15.8	79	54.1	
R498642		51	9.4	12.9	440	49.8	
R498643		46	7.3	17.5	2540	23.8	
R498644		2	0.1	0.7	22	<0.5	
R498645		73	5.7	12.0	247	42.3	
R498646		73	5.7	11.7	789	37.1	
R498647		71	6.3	13.9	246	40.1	
R498648		71	6.2	14.7	254	39.6	
R498649		71	4.0	13.2	64	40.4	
R498650		76	2.9	14.2	65	40.8	
R498651		58	2.4	14.0	69	62.0	
R498652		63	5.6	11.0	2440	30.9	
R498653		57	4.4	14.4	541	65.0	
R498654		61	5.1	13.8	208	59.3	
R498655		72	5.6	15.6	79	52.0	
R498656		67	3.8	12.9	>10000	33.2	1.390
R498657		2	0.1	0.7	36	<0.5	
R498658		70	10.6	13.9	413	40.9	
R498659		68	18.5	12.1	1480	46.2	
R498660		65	14.2	14.0	171	53.6	
R498661		63	14.6	15.2	123	56.9	
R498662		66	5.2	12.0	910	32.3	
R498663		58	5.0	14.8	89	58.8	
R498664		51	11.4	9.4	527	41.1	
R498665		64	9.3	13.3	135	47.8	
R498666		74	10.4	17.4	110	39.1	
R498667		67	7.3	14.4	73	44.8	
R498668		63	11.3	13.3	94	33.3	

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
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VANCOUVER BC V6B 1L8

Project: KLAZA

Finalized Date: 15-JUL-2015
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH15096141

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

Applies to Method:				
	BAG-06	CRU-31	CRU-QC	LOG-21
	LOG-21d	LOG-23	PUL-31	PUL-31d
	PUL-QC	SPL-21	SPL-21d	WEI-21

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:				
	Au-AA24	ME-MS61	ME-OG62	Zn-OG62

ALS Canada Ltd.

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VANCOUVER BC V6B 1L8

Finalized Date: 16-JUL-2015
Account: ROCKHA

CERTIFICATE WH15096144

Project: KLAZA

P.O. No.: BATCH 33

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 1-JUL-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21d	Sample logging - ClientBarCode Dup
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
SPL-21d	Split sample - duplicate
BAG-06	Double Bagging Coarse Rejects
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31d	Pulverize Split - duplicate

ANALYTICAL PROCEDURES

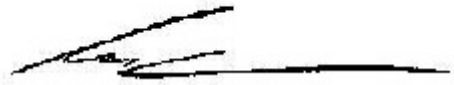
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	
Ag-OG62	Ore Grade Ag - Four Acid	VARIABLE
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature:



Colin Ramshaw, Vancouver Laboratory Manager

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 16-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15096144

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
R499913		1.76	1.045	27.2	5.14	743	360	1.14	13.90	3.04	104.0	31.2	8.0	49	8.85	254
R499914		6.11	0.184	4.15	7.52	630	650	1.82	2.15	2.94	26.6	61.6	7.3	17	18.10	37.8
R499915		3.01	0.403	18.00	7.28	599	570	1.33	4.08	0.87	23.7	55.8	5.3	8	7.49	202
R499916		3.64	0.084	3.02	7.64	153.5	960	1.49	2.95	1.11	2.09	54.2	6.9	9	9.83	83.1
R499917		0.30	0.902	11.80	6.28	1300	550	1.35	10.75	1.73	31.2	42.9	17.4	19	13.05	278
R499918		5.80	0.011	0.49	7.13	23.7	1740	1.89	0.20	2.56	0.42	55.6	6.5	16	18.95	11.4
R499919		5.58	0.509	16.40	7.08	392	250	1.32	10.25	1.01	21.9	47.6	6.3	9	8.87	215
R499920		7.64	0.436	12.80	7.35	495	310	1.41	3.78	0.89	41.3	46.9	6.0	9	10.95	249
R499921		3.60	0.411	8.86	7.30	548	360	1.36	3.32	0.83	42.9	44.1	6.0	8	9.57	129.5
R499922		2.49	0.655	2.87	7.21	577	1790	1.54	6.22	1.89	36.2	50.7	4.7	10	13.60	67.2
R499923		4.34	0.272	1.06	6.93	81.2	2210	1.49	2.72	2.11	3.55	40.3	19.2	10	14.00	90.1
R499924		4.29	0.026	0.77	6.93	41.4	2050	1.46	3.29	2.81	0.50	44.0	5.9	10	12.15	153.0
R499925		4.60	0.274	5.22	7.21	189.0	840	1.48	11.25	2.10	4.13	57.6	22.2	9	14.50	100.0
R499926		<0.02	0.328	4.65	7.19	206	710	1.46	8.97	2.15	4.08	57.4	19.8	9	14.05	111.5
R499927		3.73	0.030	1.74	7.70	87.0	2030	1.70	2.21	2.31	0.71	55.2	4.9	10	21.9	176.0
R499928		4.57	0.225	4.13	7.41	209	1220	1.51	3.67	2.19	7.47	51.7	7.5	11	13.40	149.0
R499929		1.31	2.77	>100	6.30	1110	990	1.35	45.6	1.50	104.0	43.4	68.4	7	12.00	1580
R499930		5.57	0.079	2.06	7.59	102.0	2060	1.44	3.28	2.43	1.12	51.3	5.4	10	13.85	289
R499931		4.76	0.123	2.62	7.39	144.5	670	1.42	3.39	1.78	2.24	48.5	15.7	9	11.05	34.5
R499932		2.28	0.049	1.10	7.62	112.0	1140	1.51	2.14	1.53	1.05	50.4	6.6	11	11.95	65.0
R499933		4.25	0.046	1.79	7.99	94.2	1970	1.56	5.95	1.90	1.98	48.5	6.6	11	11.30	136.0
R499934		0.32	1.835	40.4	5.84	2190	280	1.21	37.4	1.65	47.6	36.6	18.2	22	10.45	1220
R499935		3.79	1.080	13.60	7.41	2530	250	1.45	13.10	1.94	13.05	53.0	6.9	10	14.80	302
R499936		9.03	0.009	1.32	7.83	40.8	2090	1.50	1.70	2.84	1.49	48.9	7.4	11	13.50	192.5
R499937		2.60	0.060	14.75	7.44	238	330	1.56	18.20	2.08	16.30	52.1	5.5	8	16.10	747
R499938		8.82	0.090	3.39	7.60	202	800	1.61	5.12	2.37	1.07	54.1	12.6	10	16.90	120.0
R499939		6.36	0.257	3.48	7.77	598	510	1.47	3.47	2.01	1.52	50.4	8.3	10	16.70	131.5
R499940		4.56	<0.005	0.03	0.08	<0.2	70	0.06	0.05	19.95	0.08	1.49	0.7	1	0.26	3.1
R499941		2.42	0.031	1.14	6.65	40.6	1770	1.31	1.73	5.00	1.59	46.3	11.5	8	17.40	281
R499942		4.43	0.008	0.54	7.50	12.4	2560	1.42	1.05	2.64	0.12	43.4	6.1	10	13.60	79.4
R499943		11.16	<0.005	0.24	7.78	11.2	2270	1.45	0.53	2.55	0.13	51.3	7.0	16	7.83	40.2
R499944		2.97	0.058	0.51	7.43	39.6	1930	1.45	1.40	2.60	0.16	44.7	9.1	11	11.70	59.4
R499945		5.93	<0.005	0.19	7.49	9.5	2160	1.49	0.51	2.48	0.13	49.9	8.3	11	13.95	28.4
R499946		1.83	0.116	10.60	7.26	307	570	1.60	2.48	2.49	15.65	56.2	9.0	8	14.50	249
R499947		4.56	<0.005	0.03	0.17	0.3	50	0.09	0.03	20.4	0.08	1.23	0.7	1	2.31	2.3
R499948		5.40	0.017	0.68	6.76	29.9	2820	1.41	3.19	2.65	0.56	36.2	8.6	11	13.50	203

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Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
R499913		7.97	14.10	0.13	1.6	5.27	2.16	16.7	15.5	1.00	8810	4.68	0.04	5.5	20.7	550
R499914		3.18	18.35	0.19	3.3	0.974	3.06	31.6	65.7	1.08	2950	1.78	0.07	10.5	6.5	1170
R499915		4.31	16.05	0.18	1.3	0.331	3.54	30.6	4.6	0.55	1130	3.88	0.03	7.0	2.5	590
R499916		4.50	16.65	0.20	1.4	0.323	3.50	29.6	10.3	0.69	2200	1.37	0.05	7.3	2.8	660
R499917		6.21	14.85	0.18	1.0	0.742	2.74	22.7	18.7	0.73	1780	8.98	0.12	6.0	11.7	520
R499918		2.40	18.15	0.21	3.3	0.029	2.77	28.2	66.1	0.94	897	1.51	0.08	10.6	5.8	1050
R499919		5.03	15.90	0.20	1.4	0.428	3.22	25.2	18.1	0.55	2170	1.35	0.04	6.8	2.9	600
R499920		4.91	16.15	0.17	1.4	0.240	3.30	25.0	11.0	0.48	2590	3.45	0.09	7.2	2.3	540
R499921		5.01	15.70	0.18	1.4	0.246	3.33	23.8	7.9	0.47	3170	2.41	0.06	7.0	2.2	550
R499922		3.44	16.05	0.21	1.5	0.120	3.58	27.3	11.8	0.78	844	4.16	0.67	7.6	2.5	570
R499923		3.55	15.80	0.22	1.4	0.164	2.97	20.4	15.2	0.71	745	3.59	0.83	7.5	2.9	590
R499924		3.00	15.45	0.22	1.4	0.171	2.77	22.6	10.8	0.71	937	2.68	1.34	7.4	2.2	580
R499925		4.37	16.10	0.18	1.2	0.345	3.26	31.2	11.0	0.93	1400	4.92	0.17	6.6	5.2	550
R499926		4.37	15.55	0.18	1.2	0.325	3.26	31.6	10.8	0.95	1400	4.55	0.17	6.5	3.1	580
R499927		3.46	16.20	0.20	1.4	0.176	3.19	30.6	13.3	1.00	1370	2.77	0.06	7.8	2.3	620
R499928		3.88	15.60	0.19	1.3	0.265	3.34	27.6	17.4	0.83	1210	1.21	0.24	7.3	3.5	620
R499929		9.41	13.65	0.18	1.2	1.370	2.79	23.4	11.8	0.62	1440	8.11	0.04	6.1	3.8	480
R499930		3.60	15.95	0.20	1.3	0.426	3.75	27.1	10.0	0.84	1340	7.22	0.33	7.2	2.2	640
R499931		4.63	15.95	0.19	1.2	0.432	3.59	26.1	9.1	0.78	1480	10.95	0.13	7.0	2.7	600
R499932		4.20	16.10	0.18	1.1	0.283	3.59	26.9	10.4	0.84	1720	2.37	0.17	7.1	2.6	690
R499933		3.71	17.10	0.21	1.2	0.138	3.07	25.4	14.3	0.87	1020	2.72	0.90	7.9	2.7	690
R499934		9.21	14.25	0.17	0.9	1.535	2.60	18.6	16.7	0.69	2410	17.35	0.06	4.8	14.6	470
R499935		4.73	15.95	0.16	1.1	0.435	3.37	27.6	14.4	0.83	1220	3.68	0.07	7.2	2.5	620
R499936		3.63	16.20	0.19	1.1	0.173	2.77	24.7	15.6	0.99	1080	3.41	1.35	8.1	2.8	690
R499937		4.39	16.10	0.17	1.0	0.699	3.24	27.7	10.3	0.90	1750	2.42	0.04	7.3	2.5	600
R499938		3.50	16.00	0.21	1.0	0.323	3.27	29.2	10.0	0.90	1140	2.23	0.07	7.2	3.1	610
R499939		4.06	15.20	0.20	1.2	0.226	3.01	26.6	23.0	0.82	1010	1.56	0.10	8.1	2.5	650
R499940		0.47	0.26	0.17	<0.1	0.007	0.04	0.7	1.1	12.60	224	0.11	<0.01	0.2	1.4	180
R499941		3.31	15.10	0.17	0.8	0.146	2.83	25.1	7.2	1.40	1610	17.85	0.11	7.3	2.4	630
R499942		2.93	16.45	0.17	1.0	0.080	2.36	21.4	15.3	0.76	505	3.10	1.53	8.5	2.7	670
R499943		3.08	16.60	0.22	1.1	0.065	2.70	26.7	10.8	0.90	568	1.09	2.24	8.0	2.8	650
R499944		3.55	16.25	0.21	1.2	0.075	2.73	23.5	9.0	0.85	599	0.86	1.49	7.6	2.6	620
R499945		3.05	16.25	0.22	1.2	0.065	2.62	26.2	11.1	0.81	598	1.08	1.93	8.4	2.9	630
R499946		3.58	16.80	0.21	1.3	0.416	3.40	29.5	8.0	0.67	2350	0.99	0.12	7.3	2.7	620
R499947		0.49	0.61	0.17	<0.1	0.008	0.12	0.6	2.5	12.95	227	0.13	0.01	1.1	1.5	220
R499948		2.42	14.45	0.21	0.9	0.312	2.91	18.1	6.9	0.83	724	3.72	1.49	6.9	2.2	600

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	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
R499913		3870	106.5	<0.002	8.10	36.6	6.7	1	8.6	137.0	0.43	0.78	6.0	0.181	2.03	3.0
R499914		607	165.0	<0.002	1.60	25.9	6.9	1	2.1	308	0.68	0.16	8.7	0.297	3.40	4.2
R499915		895	256	0.004	4.22	57.0	10.4	1	9.9	24.2	0.56	0.34	13.9	0.244	3.02	6.2
R499916		133.5	193.5	<0.002	3.07	14.25	11.2	1	5.9	45.5	0.56	0.28	11.4	0.268	2.69	5.2
R499917		1235	154.0	0.002	4.43	61.6	8.8	2	7.3	92.9	0.48	1.55	10.5	0.201	2.39	4.8
R499918		19.7	123.5	<0.002	0.24	7.14	6.6	1	1.4	202	0.69	<0.05	8.5	0.281	2.88	3.6
R499919		1370	220	<0.002	4.20	31.0	10.1	1	5.1	53.5	0.59	3.27	11.0	0.238	2.93	5.4
R499920		800	190.5	<0.002	4.37	60.6	10.8	1	8.4	51.8	0.58	0.32	13.3	0.244	2.57	4.4
R499921		925	194.5	<0.002	4.41	35.4	10.4	1	8.2	41.2	0.59	0.40	13.6	0.243	2.66	4.3
R499922		502	191.5	0.002	1.36	98.1	10.2	1	5.1	196.0	0.66	0.10	13.9	0.245	2.33	4.6
R499923		115.5	122.0	0.002	1.30	17.90	10.1	1	2.4	220	0.61	0.89	10.4	0.245	1.77	3.4
R499924		29.9	109.0	<0.002	0.40	10.10	10.0	1	1.6	280	0.63	0.09	12.1	0.240	1.51	4.0
R499925		202	192.5	<0.002	1.77	13.05	11.1	1	3.8	137.5	0.57	0.71	14.2	0.221	2.50	5.1
R499926		200	190.5	<0.002	1.75	14.15	10.7	1	3.7	138.0	0.56	0.55	13.8	0.221	2.45	5.2
R499927		46.2	168.5	<0.002	0.78	14.50	11.7	1	2.4	103.0	0.61	0.16	15.1	0.257	2.55	5.5
R499928		343	181.5	<0.002	1.51	12.70	11.8	1	4.0	152.5	0.58	0.41	13.4	0.247	2.32	4.8
R499929		7690	169.5	0.006	9.85	541	9.0	2	12.5	51.0	0.51	2.65	11.1	0.203	2.30	4.3
R499930		59.2	201	0.005	1.09	9.00	11.6	1	3.3	159.0	0.56	0.23	13.7	0.250	2.67	4.5
R499931		211	221	0.008	2.65	4.49	11.3	1	4.6	86.5	0.52	0.52	12.1	0.241	2.76	4.9
R499932		54.1	198.0	<0.002	2.18	5.61	13.1	1	4.3	67.3	0.49	0.21	10.8	0.265	2.68	4.9
R499933		84.7	138.0	<0.002	1.08	7.57	12.9	1	3.5	215	0.58	0.16	11.7	0.282	1.72	3.5
R499934		1670	150.5	<0.002	7.94	104.5	8.4	2	10.4	64.6	0.38	0.66	8.9	0.169	2.24	5.7
R499935		569	209	<0.002	3.71	101.5	11.4	2	3.6	87.6	0.58	1.48	12.6	0.240	2.66	5.7
R499936		59.6	116.5	<0.002	0.63	10.90	13.0	1	1.8	310	0.60	0.24	11.6	0.288	1.63	3.9
R499937		781	201	<0.002	2.95	40.1	11.4	2	4.0	65.5	0.56	1.81	13.5	0.243	2.88	4.9
R499938		68.9	195.0	<0.002	1.74	13.05	11.3	1	2.7	80.1	0.58	0.72	13.8	0.248	2.66	4.9
R499939		76.0	157.0	<0.002	2.52	16.65	11.9	1	3.1	97.2	0.67	0.24	14.6	0.260	2.19	5.0
R499940		2.2	1.9	<0.002	<0.01	0.11	0.2	<1	<0.2	48.5	<0.05	<0.05	<0.2	<0.005	0.02	0.7
R499941		25.8	96.1	<0.002	0.65	8.56	10.5	1	3.2	141.5	0.52	0.31	8.5	0.261	1.99	5.0
R499942		22.5	81.0	<0.002	0.62	2.33	11.4	1	3.1	326	0.64	0.20	10.1	0.286	1.20	3.3
R499943		18.3	99.0	<0.002	0.27	1.79	11.6	1	1.9	395	0.61	0.08	14.5	0.267	1.09	4.1
R499944		16.4	106.5	<0.002	1.33	4.70	11.2	1	2.6	280	0.62	0.27	13.5	0.253	1.42	4.4
R499945		18.0	97.4	<0.002	0.21	2.92	11.5	1	1.8	343	0.64	<0.05	14.3	0.263	1.19	4.1
R499946		498	234	<0.002	2.71	104.0	11.4	1	3.6	102.0	0.61	0.38	15.5	0.233	2.91	5.3
R499947		2.2	11.0	<0.002	<0.01	0.16	0.2	<1	0.2	48.6	0.11	<0.05	<0.2	<0.005	0.07	0.6
R499948		25.4	110.5	<0.002	0.87	3.79	9.2	1	2.6	205	0.52	0.57	9.5	0.237	1.88	3.7

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
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www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 16-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15096144

Sample Description	Method / Analyte / Units / LOR	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Ag-OG62 Ag ppm 1
R499913		53	6.8	8.1	7470	57.0	
R499914		65	4.0	12.9	1860	135.0	
R499915		72	4.1	9.2	1510	39.2	
R499916		77	4.0	10.4	200	41.7	
R499917		60	5.3	11.0	2320	28.8	
R499918		61	1.5	12.5	69	134.5	
R499919		69	5.1	9.6	1520	40.2	
R499920		70	5.8	10.0	2010	41.7	
R499921		69	6.3	10.0	2160	40.8	
R499922		67	3.4	14.3	1630	41.4	
R499923		70	2.5	13.4	223	41.5	
R499924		68	1.9	14.8	81	39.6	
R499925		71	2.6	13.4	329	35.5	
R499926		70	2.5	13.2	332	35.2	
R499927		72	2.4	15.9	100	42.0	
R499928		75	2.2	15.1	558	38.9	
R499929		59	2.9	12.6	7190	35.6	405
R499930		74	1.9	14.5	137	37.8	
R499931		73	2.8	12.9	228	34.5	
R499932		83	3.3	11.6	131	35.0	
R499933		83	3.1	14.7	177	35.0	
R499934		58	7.0	10.2	3410	24.4	
R499935		72	3.2	13.6	1040	31.3	
R499936		90	2.5	17.0	188	30.7	
R499937		72	3.3	11.9	1440	28.8	
R499938		73	2.7	15.2	118	30.0	
R499939		78	3.6	14.8	150	31.2	
R499940		2	0.1	0.8	18	<0.5	
R499941		76	3.0	19.9	272	24.2	
R499942		83	2.2	15.3	45	26.6	
R499943		78	1.2	17.6	45	30.8	
R499944		75	1.3	15.7	42	32.7	
R499945		75	1.8	17.0	44	33.6	
R499946		71	4.0	15.8	1380	34.4	
R499947		2	0.1	0.8	21	<0.5	
R499948		69	2.0	11.8	79	24.8	

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: KLAZA

Finalized Date: 16-JUL-2015
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH15096144

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

Applies to Method:				
	BAG-06	CRU-31	CRU-QC	LOG-21
	LOG-21d	LOG-23	PUL-31	PUL-31d
	PUL-QC	SPL-21	SPL-21d	WEI-21

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:				
	Ag-OG62	Au-AA24	ME-MS61	ME-OG62

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 15-JUL-2015
Account: ROCKHA

CERTIFICATE WH15096149

Project: KLAZA

P.O. No.: BATCH 34

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 1-JUL-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21d	Sample logging - ClientBarCode Dup
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
SPL-21d	Split sample - duplicate
BAG-06	Double Bagging Coarse Rejects
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31d	Pulverize Split - duplicate

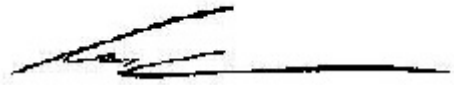
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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VANCOUVER BC V6B 1L8

Finalized Date: 15-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15096149

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
R498669		8.07	<0.005	0.31	7.52	9.5	3190	1.46	1.41	2.16	0.14	44.7	10.9	9	10.95	3.0
R498670		2.71	0.257	2.18	7.54	366	780	1.55	1.20	1.93	7.19	48.7	28.5	7	28.6	22.9
R498671		6.43	<0.005	0.34	6.93	20.0	5820	1.29	0.48	1.82	0.27	49.5	6.4	8	16.85	15.9
R498672		7.52	<0.005	0.20	7.47	96.3	1320	1.50	0.26	1.71	0.27	53.5	6.5	9	24.4	12.3
R498673		2.89	<0.005	0.22	7.57	132.0	940	1.49	0.24	2.03	0.28	53.5	6.7	7	25.4	12.4
R498674		4.30	<0.005	0.24	7.71	130.0	1410	1.74	0.32	2.24	0.53	51.2	8.3	10	29.1	18.7
R498675		1.37	0.091	2.94	6.88	174.5	1170	1.58	0.58	2.95	2.60	47.9	7.2	12	22.3	82.1
R498676		2.28	0.039	0.26	7.34	48.9	2000	1.83	0.48	2.19	0.23	47.0	12.2	11	26.6	11.3
R498677		2.00	<0.005	0.13	6.89	18.2	650	1.58	0.19	2.47	0.17	52.0	4.6	29	23.5	12.9
R498678		1.66	<0.005	0.41	8.54	143.0	2300	1.97	1.09	3.22	0.23	49.0	13.4	10	25.1	7.8
R498679		0.30	0.331	4.66	6.92	643	590	1.36	3.38	2.03	10.90	50.1	13.1	25	14.00	322
R498680		3.01	0.182	2.78	7.40	222	1520	1.57	1.08	2.27	2.10	50.5	10.5	8	21.5	131.5
R498681		9.38	0.202	0.41	6.77	133.5	1670	1.53	0.76	2.15	0.29	40.6	10.1	9	19.75	38.8
R498682		1.67	0.232	10.85	6.31	285	3850	1.29	1.21	3.16	5.28	52.7	8.9	18	11.95	131.5
R498683		2.10	0.021	0.64	6.54	126.0	1420	1.57	0.55	1.87	0.35	38.4	9.4	14	19.20	8.9
R498684		4.84	0.844	40.8	5.79	2350	970	1.32	0.34	2.52	13.20	42.8	8.4	9	13.90	80.5
R498685		4.60	<0.005	0.06	0.08	2.4	30	0.05	0.03	20.1	0.07	1.32	0.9	1	0.26	1.8
R498686		3.39	0.132	0.80	6.68	432	1270	1.48	0.28	1.87	1.15	43.8	12.0	8	18.30	7.4
R498687		4.82	0.123	0.27	6.90	139.5	1610	1.30	0.21	1.86	0.36	37.7	8.2	9	18.95	9.8
R498688		<0.02	0.005	0.28	7.02	136.0	1630	1.39	0.15	1.62	0.43	38.1	7.7	9	19.50	10.7
R498689		2.37	<0.005	0.12	6.63	19.6	2760	1.47	0.39	2.85	0.16	39.1	8.8	11	16.05	8.6
R498690		0.30	0.907	11.65	6.49	1570	1180	1.42	12.70	1.84	31.4	48.7	18.6	18	14.55	283
R498691		1.19	0.563	34.3	4.96	145.5	600	1.01	5.25	4.64	44.0	29.9	17.0	6	10.45	220
R498692		2.36	<0.005	0.13	7.03	13.0	2080	1.58	0.61	2.75	0.10	38.9	8.3	11	13.70	14.8
R498693		2.19	<0.005	0.30	6.93	168.5	1470	1.70	0.74	2.09	0.16	49.0	10.4	7	28.0	7.9
R498694		1.34	0.506	1.97	5.32	212	850	1.48	0.49	3.85	0.78	37.4	12.0	8	16.20	40.8
R498695		1.51	<0.005	0.16	7.10	23.0	1680	1.79	0.64	2.63	0.16	40.5	9.0	12	19.85	13.1
R498696		1.87	0.055	61.3	6.83	126.5	1760	1.61	1.28	2.32	1.66	45.1	8.4	10	14.90	100.0
R498697		1.60	0.122	30.4	6.78	355	1010	1.34	1.35	1.60	4.15	53.4	7.0	7	16.65	56.4
R498698		4.56	<0.005	0.17	0.06	0.4	20	0.05	0.04	20.5	0.08	1.13	0.7	<1	0.20	1.8
R498699		1.38	<0.005	0.16	7.49	5.9	2190	0.95	0.60	0.71	0.25	57.4	5.1	7	17.00	6.4
R498700		4.14	0.026	0.15	6.35	10.6	2110	1.21	0.87	2.91	0.13	37.3	6.9	10	13.65	32.7
R499601		2.77	<0.005	0.31	7.26	34.9	2380	1.27	0.64	1.90	0.18	48.0	5.0	8	20.9	59.5
R499602		1.40	0.144	5.67	5.97	547	720	1.45	0.22	2.19	3.96	52.1	6.0	22	21.7	46.4
R499603		4.07	2.11	3.06	6.80	458	860	1.42	0.40	2.27	12.40	47.8	5.9	9	19.15	233
R499604		2.03	<0.005	0.22	7.20	18.3	1950	1.75	0.21	2.43	0.19	48.9	7.3	10	15.45	33.5

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 15-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15096149

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
R498669		3.77	15.70	0.19	1.3	0.118	2.55	23.3	15.0	0.78	1120	0.52	2.20	7.8	2.9	630
R498670		5.96	15.75	0.17	1.4	0.278	3.05	25.9	26.0	0.71	3450	0.67	0.57	8.1	2.9	590
R498671		2.59	14.75	0.20	1.9	0.048	2.98	26.4	87.4	0.67	1240	1.87	0.09	8.1	2.2	500
R498672		2.38	15.45	0.24	1.7	0.035	2.26	29.4	93.0	0.65	1100	2.16	0.04	8.2	2.5	580
R498673		2.48	15.45	0.21	1.7	0.035	2.25	29.3	92.4	0.74	1180	1.68	0.03	8.5	2.4	580
R498674		3.13	16.15	0.23	1.5	0.059	3.70	27.8	28.3	0.77	1630	1.05	0.06	7.9	3.6	620
R498675		3.19	15.40	0.21	1.9	0.128	3.07	25.8	32.7	0.95	2500	3.47	0.04	7.5	10.0	560
R498676		3.45	16.20	0.23	1.7	0.087	3.75	23.8	74.8	0.75	1530	0.61	0.10	8.2	5.0	630
R498677		1.97	18.45	0.22	3.9	0.029	2.24	26.4	125.0	0.92	614	1.01	0.07	9.3	18.1	640
R498678		4.89	20.8	0.24	1.7	0.230	2.70	24.2	30.8	1.29	2170	0.74	0.05	9.4	9.5	740
R498679		5.06	15.65	0.21	1.1	0.308	2.99	27.9	26.8	0.79	1960	14.30	0.15	6.3	14.7	540
R498680		3.86	15.85	0.22	1.2	0.138	3.38	26.9	18.8	0.96	3270	3.13	0.04	7.9	3.3	650
R498681		3.08	15.80	0.13	1.5	0.053	3.07	20.0	96.2	0.78	1940	1.14	0.09	7.9	2.7	580
R498682		2.70	14.60	0.10	2.2	0.153	1.34	28.8	195.5	1.03	2250	3.11	0.01	7.5	9.6	510
R498683		3.03	14.85	0.12	1.5	0.070	2.77	18.8	45.4	0.69	2530	1.85	0.03	7.7	2.6	590
R498684		3.40	13.45	0.12	1.3	0.113	2.50	23.4	46.9	0.90	5650	5.54	0.02	6.3	3.2	430
R498685		0.48	0.27	<0.05	<0.1	0.005	0.03	0.6	1.2	12.65	228	0.07	<0.01	0.1	1.3	150
R498686		3.06	15.20	0.12	1.4	0.098	3.19	22.6	50.1	0.71	2270	2.31	0.04	7.7	2.9	560
R498687		2.46	16.40	0.12	1.4	0.041	2.95	17.9	29.5	0.62	1420	1.02	0.10	8.3	2.4	610
R498688		2.42	16.60	0.12	1.4	0.045	3.05	18.2	31.5	0.49	1440	1.01	0.10	8.3	2.3	600
R498689		2.89	15.90	0.15	1.5	0.044	2.56	18.5	28.7	0.78	1080	1.69	1.24	8.1	2.7	620
R498690		6.54	15.50	0.13	1.1	0.773	2.89	26.7	20.2	0.77	1800	9.15	0.13	6.7	12.1	530
R498691		5.11	11.20	0.11	1.0	0.357	2.43	15.7	14.8	1.54	4740	1.12	0.04	4.9	2.1	390
R498692		2.86	16.50	0.16	1.5	0.035	2.66	19.0	16.3	0.73	725	0.76	2.04	8.2	3.1	630
R498693		2.44	16.00	0.15	1.8	0.040	3.25	25.3	35.4	0.73	1420	1.77	0.07	8.6	3.6	600
R498694		4.15	11.65	0.13	1.3	0.090	2.85	20.3	25.5	1.19	4220	1.71	0.07	6.2	3.2	440
R498695		3.17	16.90	0.14	2.0	0.048	2.90	20.0	44.3	0.80	1090	1.51	1.53	8.5	3.5	610
R498696		2.83	15.50	0.18	2.1	0.044	3.45	22.8	29.6	0.68	1800	3.03	0.99	8.4	3.1	560
R498697		2.56	14.65	0.14	1.9	0.040	2.81	29.1	87.7	0.58	2710	5.84	0.07	7.9	2.4	460
R498698		0.45	0.19	0.17	<0.1	<0.005	0.03	0.6	1.1	12.65	208	0.07	<0.01	0.1	1.5	160
R498699		2.25	15.95	0.23	2.1	0.031	2.22	32.0	37.6	0.34	830	2.02	0.07	9.1	1.8	540
R498700		2.71	15.00	0.17	0.9	0.043	2.61	18.5	15.8	0.94	670	0.66	1.94	7.5	2.8	580
R499601		2.98	15.90	0.17	1.0	0.096	3.39	25.6	39.4	0.75	1280	0.60	0.33	8.1	2.4	600
R499602		2.87	14.00	0.14	2.4	0.083	1.79	28.0	65.1	0.75	2240	2.50	0.03	7.5	7.1	880
R499603		3.16	14.90	0.15	1.2	0.141	3.56	26.9	14.2	0.71	4070	87.7	0.04	7.4	2.5	510
R499604		2.61	16.20	0.15	1.4	0.035	2.90	24.3	56.8	0.66	1020	124.0	1.84	8.8	2.8	570

***** See Appendix Page for comments regarding this certificate *****

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Finalized Date: 15-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15096149

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
R498669		13.3	117.0	<0.002	0.15	4.62	10.7	1	1.6	202	0.62	<0.05	12.8	0.249	1.70	2.2
R498670		87.5	185.5	<0.002	2.67	29.4	10.0	2	2.0	93.9	0.64	0.10	15.7	0.230	2.62	13.7
R498671		20.6	129.0	<0.002	0.29	19.25	8.6	1	1.3	219	0.67	<0.05	17.8	0.222	2.40	4.5
R498672		16.1	119.5	<0.002	0.25	17.20	9.6	1	1.5	218	0.67	<0.05	17.7	0.243	2.50	5.7
R498673		19.3	119.5	<0.002	0.25	17.60	10.1	1	1.8	233	0.68	<0.05	17.4	0.251	2.58	5.2
R498674		36.2	187.0	<0.002	0.36	16.70	10.9	1	1.7	156.0	0.62	<0.05	14.1	0.258	3.13	6.3
R498675		200	149.0	<0.002	0.70	34.5	8.4	1	1.7	278	0.60	0.06	12.3	0.230	2.54	6.4
R498676		27.4	155.0	<0.002	0.32	10.10	10.5	1	2.0	212	0.66	<0.05	13.1	0.256	2.61	7.0
R498677		17.2	75.8	<0.002	0.04	14.25	5.7	<1	1.6	376	0.69	<0.05	9.6	0.255	1.50	3.9
R498678		38.5	92.4	<0.002	0.84	17.35	11.9	1	1.8	308	0.74	<0.05	12.3	0.296	2.73	4.4
R498679		485	163.5	0.003	2.74	29.3	9.5	1	5.4	111.0	0.50	0.29	12.0	0.212	2.43	5.5
R498680		539	189.0	<0.002	1.31	47.5	12.3	1	2.1	124.5	0.58	<0.05	12.3	0.266	3.16	5.1
R498681		35.8	111.0	<0.002	0.54	18.90	10.5	<1	1.7	169.5	0.68	0.06	11.2	0.255	2.48	4.3
R498682		521	82.2	<0.002	0.78	55.4	8.4	1	1.8	297	0.61	<0.05	11.5	0.235	1.80	7.5
R498683		28.7	133.5	<0.002	1.09	16.25	10.2	<1	1.6	172.5	0.67	<0.05	10.7	0.249	2.97	3.8
R498684		1140	174.5	<0.002	2.31	126.5	8.5	1	2.0	119.5	0.55	<0.05	10.7	0.196	2.69	7.5
R498685		2.4	1.8	<0.002	0.01	0.23	0.2	<1	<0.2	50.3	<0.05	<0.05	<0.2	<0.005	0.02	0.4
R498686		42.5	153.5	<0.002	1.44	29.5	9.9	1	1.5	102.0	0.68	<0.05	12.0	0.245	3.28	8.1
R498687		25.6	107.0	<0.002	0.23	19.25	10.0	1	1.5	95.3	0.73	<0.05	11.0	0.265	2.31	3.6
R498688		24.5	116.0	<0.002	0.21	19.30	10.0	<1	1.6	95.9	0.72	<0.05	11.0	0.266	2.24	3.4
R498689		23.2	84.6	<0.002	0.19	5.07	10.0	1	1.5	257	0.66	<0.05	10.0	0.256	1.42	3.4
R498690		1290	169.0	0.002	4.69	62.5	9.6	1	8.6	97.8	0.56	1.08	12.6	0.207	2.53	5.2
R498691		9300	133.5	<0.002	3.47	57.8	6.7	1	2.8	138.0	0.40	0.13	8.0	0.164	2.07	3.0
R498692		22.4	91.8	<0.002	0.11	2.42	10.0	1	1.6	344	0.65	<0.05	10.1	0.264	1.32	2.4
R498693		36.2	142.0	<0.002	0.35	12.95	10.1	1	1.6	104.5	0.80	<0.05	14.1	0.243	2.97	9.9
R498694		63.4	154.5	<0.002	2.20	31.0	7.9	1	1.3	94.9	0.60	0.06	10.3	0.186	2.18	10.3
R498695		24.4	113.5	<0.002	0.07	6.68	12.6	1	1.9	267	0.84	<0.05	11.8	0.294	1.63	5.5
R498696		480	143.0	<0.002	0.46	94.4	9.7	1	1.6	232	0.76	<0.05	16.0	0.240	2.00	4.8
R498697		338	142.5	<0.002	0.41	73.4	8.8	1	1.5	91.1	0.76	<0.05	18.4	0.204	1.86	5.3
R498698		3.4	1.4	<0.002	<0.01	0.31	0.2	<1	<0.2	45.2	<0.05	<0.05	<0.2	<0.005	0.02	0.7
R498699		14.6	109.0	<0.002	0.05	22.4	9.3	1	1.5	67.0	0.88	<0.05	22.0	0.239	1.01	3.4
R498700		17.3	84.4	<0.002	0.03	3.31	8.9	1	1.7	335	0.54	<0.05	8.6	0.245	1.16	2.4
R499601		18.8	145.5	<0.002	0.18	33.5	10.7	1	2.0	168.5	0.61	<0.05	12.1	0.262	1.99	4.1
R499602		250	108.5	<0.002	1.25	87.1	7.8	1	2.4	193.5	0.52	<0.05	8.8	0.278	1.61	5.8
R499603		131.5	209	0.009	1.83	88.1	9.3	1	2.4	111.5	0.61	<0.05	15.7	0.221	2.84	8.8
R499604		34.1	133.0	0.011	0.08	9.21	9.6	1	1.6	326	0.75	<0.05	15.5	0.247	1.45	4.5

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 15-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15096149

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	V	W	Y	Zn	Zr
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	1	0.1	0.1	2	0.5
R498669		68	7.2	14.2	64	38.6
R498670		63	22.5	11.8	1240	45.3
R498671		59	5.2	15.3	65	58.2
R498672		62	5.8	15.7	59	52.1
R498673		65	5.9	16.8	61	54.6
R498674		72	7.6	16.1	71	45.1
R498675		59	7.0	14.3	312	66.1
R498676		70	7.0	15.1	79	50.2
R498677		49	1.8	11.9	63	153.5
R498678		94	4.2	17.3	90	57.6
R498679		67	5.4	12.1	894	31.2
R498680		74	9.4	15.6	313	33.4
R498681		72	5.4	14.4	74	43.1
R498682		57	5.4	16.2	618	79.1
R498683		70	7.0	11.7	84	44.2
R498684		55	5.8	10.8	2030	38.4
R498685		2	0.1	0.8	19	<0.5
R498686		68	5.8	12.5	158	41.1
R498687		74	5.5	11.8	66	42.7
R498688		73	5.7	11.5	71	42.2
R498689		71	2.3	15.2	59	39.0
R498690		62	6.1	12.7	2390	33.6
R498691		48	16.2	13.5	4340	26.9
R498692		73	1.5	14.8	55	41.1
R498693		69	5.1	16.5	48	48.0
R498694		51	3.8	16.0	116	31.7
R498695		93	4.5	16.8	72	48.4
R498696		67	3.1	15.7	93	59.4
R498697		58	6.2	15.2	375	54.5
R498698		2	0.1	0.8	18	0.5
R498699		61	6.4	17.1	69	61.0
R498700		69	3.4	13.3	49	24.3
R499601		73	4.5	14.3	59	24.7
R499602		63	6.6	12.0	462	88.7
R499603		61	19.5	13.7	1790	34.7
R499604		67	54.0	15.3	61	41.0

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: KLAZA

Finalized Date: 15-JUL-2015
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH15096149

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	ME-MS61

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 21-JUL-2015
Account: ROCKHA

CERTIFICATE WH15096152

Project: KLAZA

P.O. No.: BATCH 37

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 1-JUL-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
CRU-32	Fine Crushing 90% <2mm
SPL-21	Split sample - riffle splitter
PUL-35a	Pulv 1 kg split to 95%<106 um
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate
PUL-35ad	Pulv 1 kg split to 95%<106 um DUP
BAG-01	Bulk Master for Storage
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
BAG-06	Double Bagging Coarse Rejects
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test

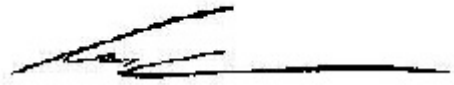
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Zn-OG62	Ore Grade Zn - Four Acid	VARIABLE
As-OG62	Ore Grade As - Four Acid	VARIABLE
Au-AA24	Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
ME-MS61	48 element four acid ICP-MS	
Ag-OG62	Ore Grade Ag - Four Acid	VARIABLE
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Cu-OG62	Ore Grade Cu - Four Acid	VARIABLE
Pb-OG62	Ore Grade Pb - Four Acid	VARIABLE
Ag-GRA21	Ag 30g FA-GRAV finish	WST-SIM

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 21-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15096152

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-AA24 Au ppm 0.005	Au-GRA22 Au ppm 0.05	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05
R499273		5.20	0.688		13.35	6.88	1890	1000	1.85	3.96	2.42	56.4	55.4	6.9	10	23.2
R499274		3.13	2.66		21.7	5.13	>10000	1040	1.14	20.5	2.99	23.6	36.9	7.5	6	17.40
R499275		1.28	>10.0	14.10	62.7	5.95	>10000	820	1.28	54.4	1.90	48.1	39.9	9.5	8	7.60
R499276		2.31	8.17		8.29	1.47	4020	120	0.30	13.80	1.94	1.63	4.16	13.8	5	2.32
R499277		4.65	0.017		0.02	0.05	10.4	40	0.05	0.08	20.9	0.08	1.08	0.6	<1	0.20
R499278		1.92	>10.0	11.25	>100	3.48	957	300	0.58	5.53	1.77	>1000	20.1	3.8	7	6.56
R499279		1.55	>10.0	12.10	>100	1.41	>10000	250	0.42	1.23	2.75	300	10.00	8.0	14	3.19
R499280		4.03	0.481		9.90	4.78	449	340	0.97	7.24	2.85	22.8	11.50	8.7	9	7.21
R499281		0.19	>10.0	14.15	>100	4.30	156.0	690	0.40	1.91	2.07	833	18.90	58.4	46	1.36
R499282		1.01	5.59		99.7	3.01	1980	280	0.57	24.9	1.87	559	7.85	6.4	6	4.81
R499283		3.38	2.18		>100	3.18	2260	510	0.93	31.3	3.65	230	20.9	4.7	7	8.83
R499284		1.93	2.15		14.20	5.34	1230	950	1.10	3.83	1.90	65.9	55.3	7.0	10	6.96
R499285		2.68	4.50		51.4	4.69	>10000	620	0.96	28.4	1.04	24.7	24.0	10.8	10	6.72
R499286		1.49	0.967		2.00	4.02	295	540	1.10	37.3	3.57	0.50	24.2	112.0	7	6.90
R499287		1.92	5.99		27.7	5.72	>10000	1260	1.13	18.25	2.08	102.5	43.2	7.9	8	6.48
R499288		0.34	1.700		38.8	5.51	2420	1150	1.08	35.3	1.60	42.1	39.0	16.1	21	10.50
R499289		1.70	1.595		6.89	5.10	1410	460	1.25	7.89	2.83	29.3	38.5	9.6	8	13.90
R499290		1.82	>10.0	12.55	>100	4.29	>10000	480	1.17	0.30	2.91	230	31.3	5.3	6	11.95
R499291		1.52	0.343		7.34	6.15	589	1430	1.39	0.33	3.63	12.85	45.4	7.4	8	16.40
R499292		1.23	0.844		>100	5.29	935	920	1.31	1.91	2.30	41.9	33.5	6.6	9	12.80
R499293		1.69	1.820		44.6	4.52	2000	700	1.55	34.9	1.91	101.5	29.9	4.8	6	15.15
R499294		4.58	0.005		0.06	0.07	3.6	20	0.07	0.05	19.50	0.10	1.17	1.2	1	1.47
R499295		4.71	2.09		29.1	3.62	1960	1290	0.62	26.3	0.60	18.35	14.45	24.9	12	3.82
R499296		5.08	0.823		9.35	7.32	559	540	1.20	7.67	0.64	38.2	43.8	7.5	11	6.18
R499297		<0.02	1.030		9.19	7.45	535	580	1.26	7.39	0.65	40.1	44.4	7.9	11	6.16
R499298		1.01	>10.0	10.80	>100	1.45	3310	200	0.55	2.57	3.42	48.7	4.07	22.9	9	4.25
R499299		1.43	2.11		18.80	3.89	839	440	0.65	48.1	0.98	16.80	24.5	96.4	10	2.54
R499300		3.37	2.80		10.45	4.59	4660	400	0.84	3.23	2.95	20.0	27.9	25.4	12	5.46
R499301		2.32	3.63		>100	2.48	>10000	260	0.67	3.98	4.95	85.5	18.15	5.8	9	5.43
R499302		2.72	>10.0	10.50	26.2	5.74	5120	450	1.20	34.0	0.72	3.99	32.5	12.4	13	7.39
R499303		2.09	>10.0	10.40	>100	3.14	>10000	290	0.68	142.5	4.14	23.4	21.2	13.2	7	3.07
R499304		2.97	0.049		2.37	7.88	156.0	1410	1.57	4.27	2.29	0.93	57.6	5.7	12	14.10
R499305		<0.02	0.048		2.53	7.92	155.5	1420	1.65	4.69	2.32	0.93	57.9	6.2	11	14.35
R499306		3.14	4.18		>100	2.88	8620	280	0.75	1.93	3.64	78.9	20.0	13.5	9	7.41
R499307		2.60	0.021		4.48	4.63	158.5	250	1.28	0.22	2.85	9.60	41.1	5.2	8	17.00
R499308		3.25	0.037		7.96	4.07	388	1920	1.14	0.21	6.59	11.40	31.4	5.1	7	12.10

***** See Appendix Page for comments regarding this certificate *****

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VANCOUVER BC V6B 1L8

Finalized Date: 21-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15096152

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni
	Units	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	LOR	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2
R499273		156.0	4.67	16.60	0.13	2.2	0.946	2.88	30.3	15.8	0.90	1110	3.27	0.05	8.1	4.6
R499274		527	6.36	11.90	0.11	0.9	0.590	2.18	20.4	18.7	0.94	2560	5.56	0.04	5.5	2.7
R499275		1310	8.78	15.45	0.13	1.4	0.778	2.72	20.4	6.7	0.72	1330	1.85	0.04	6.3	3.7
R499276		54.5	30.0	5.49	0.11	0.3	0.099	0.66	2.3	13.7	0.70	700	52.4	0.01	1.4	3.4
R499277		2.3	0.53	0.16	0.06	<0.1	0.006	0.02	0.5	0.9	12.85	218	0.30	<0.01	0.1	1.5
R499278		1275	9.39	13.95	0.09	0.7	6.36	1.46	11.7	5.1	0.80	1610	5.85	0.03	3.3	5.2
R499279		1270	5.48	5.26	0.06	0.2	0.151	0.62	4.8	27.7	0.71	15750	138.0	0.01	1.3	2.0
R499280		46.8	6.92	10.30	0.06	0.7	0.282	2.18	5.5	18.0	1.09	2610	2.50	0.04	4.1	3.4
R499281		>10000	9.32	16.05	0.13	0.6	3.00	0.82	9.5	5.9	0.81	1660	154.5	1.09	2.1	17.7
R499282		2420	17.55	7.37	0.11	0.4	5.69	1.30	4.3	10.3	0.66	2490	1.78	0.02	2.4	2.8
R499283		1025	3.09	7.11	0.07	0.5	6.00	1.48	11.8	51.8	1.20	5680	1.85	0.03	3.0	1.9
R499284		224	6.20	14.75	0.11	1.1	1.095	2.62	28.8	10.4	0.61	1320	3.17	0.03	5.9	3.1
R499285		752	7.87	11.15	0.10	0.9	0.818	2.08	12.6	17.0	0.48	665	70.4	0.03	3.5	2.3
R499286		143.5	11.20	8.91	0.10	0.8	0.123	1.85	13.2	13.7	1.32	861	11.40	0.04	3.2	8.6
R499287		692	8.18	12.60	0.12	1.1	0.430	2.76	25.7	6.5	0.95	1160	2.01	0.05	5.0	2.6
R499288		1130	8.75	13.65	0.11	0.9	1.505	2.53	21.1	16.0	0.66	2250	16.40	0.06	4.7	13.8
R499289		113.5	6.81	12.05	0.12	0.8	0.262	2.36	20.7	17.1	1.08	6140	2.77	0.03	5.2	3.7
R499290		342	6.75	11.45	0.09	0.7	0.091	1.81	17.7	40.9	0.91	27800	14.40	0.02	4.4	2.1
R499291		30.4	3.52	13.70	0.12	0.9	0.033	2.88	25.7	53.4	1.18	6430	1.63	0.09	6.8	2.9
R499292		956	3.66	11.75	0.12	0.9	0.254	2.48	18.7	37.6	0.74	6080	2.82	0.03	5.5	2.9
R499293		1230	2.94	10.95	0.10	0.9	3.09	1.99	16.9	25.0	0.51	29800	6.52	0.03	4.4	2.1
R499294		6.4	0.48	0.28	0.13	<0.1	<0.005	0.04	0.6	1.5	12.40	220	0.11	<0.01	0.3	3.5
R499295		261	13.10	9.16	0.10	0.7	0.787	1.65	7.4	6.3	0.30	995	4.21	0.03	2.3	2.8
R499296		78.1	7.31	18.30	0.12	1.4	0.318	3.52	22.4	3.8	0.46	729	2.53	0.04	6.2	3.0
R499297		83.3	7.43	18.50	0.12	1.4	0.325	3.62	23.0	4.1	0.47	761	2.85	0.05	6.0	3.2
R499298		179.5	5.53	3.60	0.07	0.3	0.159	0.60	0.9	45.9	0.80	15550	3.74	0.01	1.2	2.7
R499299		291	22.2	9.69	0.12	0.6	0.383	1.88	13.0	2.9	0.49	477	1.41	0.03	2.9	4.7
R499300		60.6	7.01	11.75	0.09	1.0	0.252	1.96	12.5	46.3	0.91	11500	5.26	0.02	4.6	5.0
R499301		398	6.14	6.49	0.08	0.4	0.192	1.05	9.7	27.9	1.43	9220	44.5	0.01	2.4	3.9
R499302		354	11.85	13.90	0.12	0.7	0.818	2.76	17.8	10.8	0.49	675	1.27	0.03	5.0	2.5
R499303		2290	16.55	7.88	0.10	0.3	1.175	1.54	11.4	7.0	1.60	4240	12.35	0.02	2.4	2.5
R499304		97.8	4.17	17.30	0.11	1.0	0.405	3.66	32.9	16.1	1.01	1730	2.01	0.07	6.5	3.1
R499305		99.6	4.10	17.75	0.12	0.8	0.430	3.67	31.9	15.4	1.02	1680	2.18	0.07	6.5	3.2
R499306		193.0	6.31	7.69	0.08	0.6	0.206	1.32	10.5	44.9	1.01	19650	34.0	0.02	2.9	3.2
R499307		36.1	2.09	10.95	0.09	0.8	0.046	1.88	23.9	87.5	1.00	1950	4.52	0.02	4.6	2.1
R499308		44.0	4.00	9.84	0.08	0.6	0.054	1.81	17.6	43.9	2.08	4650	3.46	0.03	4.0	2.2

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

2103 Dollarton Hwy
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Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 21-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15096152

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
	LOR	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02
R499273		700	2670	159.5	<0.002	3.32	29.0	8.5	1	6.2	185.5	0.63	0.18	13.7	0.229	2.50
R499274		420	1155	120.5	<0.002	5.22	141.0	7.8	1	4.6	107.0	0.46	1.87	9.8	0.181	1.93
R499275		520	2450	141.5	<0.002	8.24	176.5	7.3	2	6.2	72.1	0.49	1.34	10.1	0.193	2.60
R499276		30	271	36.7	<0.002	>10.0	55.4	2.4	4	6.1	28.8	0.11	1.64	2.6	0.044	0.63
R499277		170	4.1	1.2	<0.002	0.06	0.24	0.1	1	<0.2	49.8	<0.05	<0.05	0.2	<0.005	<0.02
R499278		320	>10000	65.5	<0.002	>10.0	305	3.6	3	99.9	47.4	0.29	1.51	5.7	0.110	1.15
R499279		90	>10000	36.4	<0.002	4.85	4020	1.9	1	75.9	60.7	0.11	0.07	2.3	0.043	1.16
R499280		330	730	109.5	0.003	6.47	37.2	6.3	2	7.5	52.2	0.34	0.86	9.0	0.122	1.66
R499281		560	>10000	27.2	0.070	>10.0	181.5	10.6	9	17.7	219	0.16	0.49	1.8	0.175	7.50
R499282		290	8760	60.3	0.002	>10.0	236	3.7	2	14.5	35.7	0.19	1.87	5.2	0.082	1.01
R499283		230	>10000	81.4	<0.002	4.17	1370	4.8	1	5.7	81.0	0.26	0.17	6.3	0.100	1.50
R499284		450	5360	178.5	<0.002	6.31	30.5	7.3	1	14.2	51.3	0.55	0.26	10.6	0.182	2.35
R499285		290	3160	110.0	0.003	7.87	192.5	7.0	2	8.0	62.1	0.31	1.45	8.4	0.125	1.64
R499286		360	73.2	106.5	0.022	>10.0	19.45	5.9	2	8.0	68.3	0.26	15.70	5.7	0.115	1.32
R499287		450	596	147.0	<0.002	8.20	74.0	8.3	2	11.1	55.6	0.41	0.67	10.7	0.178	2.07
R499288		420	1600	147.0	0.002	7.62	100.5	8.0	2	10.6	64.1	0.40	0.62	10.3	0.164	2.18
R499289		410	986	158.0	<0.002	4.88	29.3	7.9	1	6.0	65.2	0.42	0.41	8.8	0.179	2.30
R499290		310	>10000	88.3	0.004	4.43	660	5.9	1	15.6	110.5	0.36	<0.05	7.4	0.143	1.90
R499291		470	281	151.5	<0.002	1.69	63.2	8.8	1	2.7	176.0	0.54	<0.05	13.0	0.208	2.18
R499292		390	2780	133.5	<0.002	2.07	718	7.7	<1	3.5	101.0	0.44	<0.05	11.5	0.172	2.20
R499293		350	7220	106.0	<0.002	2.84	603	6.6	1	2.6	103.0	0.43	0.07	8.7	0.143	2.00
R499294		190	10.2	3.8	<0.002	0.04	0.49	0.2	<1	<0.2	45.4	<0.05	<0.05	<0.2	<0.005	0.02
R499295		250	1035	91.8	<0.002	>10.0	52.0	5.3	3	9.2	38.5	0.20	3.94	4.2	0.088	1.35
R499296		630	1225	204	<0.002	7.55	18.95	11.4	1	15.9	25.5	0.54	0.63	11.3	0.231	2.58
R499297		610	1245	209	<0.002	7.74	18.90	11.6	1	15.9	26.1	0.54	0.66	11.7	0.235	2.57
R499298		100	944	38.3	<0.002	3.16	254	4.9	<1	2.3	191.0	0.10	0.44	1.3	0.043	0.66
R499299		310	1040	107.0	<0.002	>10.0	19.30	6.2	7	8.0	28.2	0.23	7.28	5.1	0.115	1.30
R499300		340	628	126.5	<0.002	5.90	119.0	6.6	<1	2.3	99.0	0.41	0.06	7.1	0.152	2.12
R499301		210	7770	63.6	0.013	4.37	527	3.7	<1	3.8	83.7	0.19	<0.05	3.7	0.086	1.18
R499302		420	571	184.0	<0.002	>10.0	64.8	8.3	2	16.6	34.0	0.43	0.61	11.3	0.178	2.36
R499303		230	1525	101.5	<0.002	>10.0	173.0	4.5	5	7.4	57.2	0.20	11.40	4.9	0.087	1.40
R499304		630	89.0	242	<0.002	1.39	14.35	11.3	1	4.7	85.5	0.50	0.17	12.7	0.243	3.22
R499305		620	85.8	240	<0.002	1.33	14.15	11.4	1	5.1	86.1	0.49	0.19	12.6	0.239	3.35
R499306		190	>10000	76.4	0.008	3.55	276	4.2	1	7.1	117.5	0.34	0.05	6.3	0.085	1.34
R499307		350	413	95.8	<0.002	0.34	60.9	6.1	<1	2.9	209	0.42	<0.05	10.5	0.143	1.82
R499308		270	497	91.0	<0.002	1.01	60.7	5.5	1	3.4	176.5	0.36	<0.05	7.9	0.121	1.66

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 21-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15096152

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Ag-OG62	Cu-OG62	Pb-OG62	Ag-GRA21	Zn-OG62	As-OG62
	Analyte	U	V	W	Y	Zn	Zr	Ag	Cu	Pb	Ag	Zn	As
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	%	%
	LOR	0.1	1	0.1	0.1	2	0.5	1	0.001	0.001	5	0.001	0.001
R499273		4.6	58	4.7	12.3	3870	70.5						
R499274		23.1	54	2.9	12.3	2090	23.4						0.956
R499275		4.7	53	4.1	7.6	2520	44.6						2.55
R499276		2.3	18	4.5	4.2	144	9.4						
R499277		0.5	2	0.1	0.7	20	<0.5						
R499278		2.0	28	3.6	5.6	>10000	20.1	489		12.40		8.26	
R499279		5.8	15	3.0	4.8	>10000	4.9	>1500		3.89	1890	2.26	2.24
R499280		4.3	44	4.7	7.4	3070	17.4						
R499281		2.1	122	8.2	12.3	>10000	11.8	133	2.99	2.55		15.75	
R499282		3.7	33	3.1	4.8	>10000	9.0					3.93	
R499283		17.1	40	2.6	9.5	>10000	11.9	313		10.85		2.88	
R499284		3.5	52	6.3	7.1	4760	29.0						
R499285		4.1	49	7.3	6.3	2120	25.7						0.966
R499286		9.0	40	3.1	8.6	87	20.6						
R499287		3.3	54	4.1	7.9	9590	29.9						1.130
R499288		5.3	55	7.3	9.6	3290	23.5						
R499289		12.6	54	4.9	10.4	2780	19.2						
R499290		14.0	41	5.3	8.6	>10000	17.6	524		1.165		1.420	1.735
R499291		4.6	57	3.1	15.0	1210	23.3						
R499292		5.9	56	14.4	10.9	4430	21.1	129					
R499293		7.8	41	6.4	10.9	>10000	23.2					1.170	
R499294		1.0	2	0.1	0.7	22	<0.5						
R499295		1.5	37	4.5	5.1	1460	18.5						
R499296		4.1	75	6.6	9.7	2220	36.9						
R499297		4.0	76	6.6	9.4	2360	36.1						
R499298		3.8	29	2.1	7.9	3630	10.2	134					
R499299		3.4	42	3.3	6.0	1200	14.6						
R499300		13.0	47	10.7	9.1	3410	31.7						
R499301		13.5	35	5.5	6.6	8660	13.3	129					1.260
R499302		3.2	53	6.0	8.4	312	15.4						
R499303		3.0	30	3.3	6.1	2170	7.5	104					2.89
R499304		4.6	74	4.0	12.9	129	17.4						
R499305		4.6	74	4.1	13.1	130	18.7						
R499306		18.9	37	3.7	7.8	5330	13.3	147		1.100			
R499307		7.8	48	3.4	10.0	710	22.1						
R499308		10.9	42	5.4	13.6	831	17.2						

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: KLAZA

Finalized Date: 21-JUL-2015
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH15096152

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

BAG-01	BAG-06	CRU-32	CRU-QC
LOG-21	LOG-21d	LOG-23	PUL-35a
PUL-35ad	PUL-QC	SPL-21	SPL-21d
WEI-21			

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Ag-GRA21	Ag-OG62	As-OG62	Au-AA24
Au-GRA22	Cu-OG62	ME-MS61	ME-OG62
Pb-OG62	Zn-OG62		

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 18-JUL-2015
Account: ROCKHA

CERTIFICATE WH15097593

Project: KLAZA

P.O. No.: Batch 37

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 3-JUL-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
FND-02	Find Sample for Addn Analysis

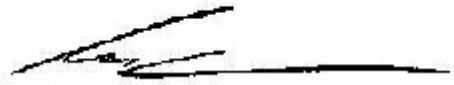
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION
C-GAS05	Inorganic Carbon (CO2)

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 18-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15097593

Sample Description	Method Analyte Units LOR	C-GAS05 C % 0.05	C-GAS05 CO2 % 0.2
R499273		1.40	5.1
R499274		1.56	5.7
R499275		0.97	3.6
R499276		1.07	3.9
R499277		12.70	46.6
R499278		1.14	4.2
R499279		1.76	6.5
R499280		1.54	5.7
R499281		0.09	0.3
R499282		1.05	3.9
R499283		2.30	8.4
R499284		0.83	3.1
R499285		0.50	1.8
R499286		2.14	7.8
R499287		1.11	4.1
R499288		0.92	3.4
R499289		1.88	6.9
R499290		2.37	8.7
R499291		1.96	7.2
R499292		1.39	5.1
R499293		1.52	5.6
R499294		12.40	45.5
R499295		0.29	1.1
R499296		0.25	0.9
R499297		0.25	0.9
R499298		1.92	7.0
R499299		0.48	1.8
R499300		1.66	6.1
R499301		2.68	9.8
R499302		0.42	1.6
R499303		2.30	8.4
R499304		1.37	5.0
R499305		1.37	5.0
R499306		2.38	8.7
R499307		1.39	5.1
R499308		3.45	12.6

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: KLAZA

Finalized Date: 18-JUL-2015
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH15097593

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Applies to Method:	Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada. FND-02
Applies to Method:	Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada. C-GAS05

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 18-JUL-2015
Account: ROCKHA

CERTIFICATE WH15098454

Project: KLAZA

P.O. No.: BATCH 35

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 6-JUL-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21d	Sample logging - ClientBarCode Dup
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
SPL-21d	Split sample - duplicate
BAG-06	Double Bagging Coarse Rejects
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31d	Pulverize Split - duplicate

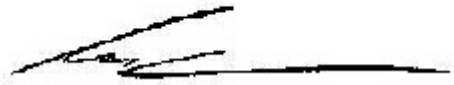
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 18-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15098454

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
R499949		0.30	0.872	12.20	6.47	1535	300	1.52	10.60	1.77	33.1	46.5	17.7	19	13.15	289
R499950		4.22	0.019	0.54	7.13	35.6	2150	1.64	2.63	2.42	0.48	49.5	6.7	12	11.45	81.1
R499951		2.29	1.610	39.3	6.14	3340	370	1.18	27.9	1.24	27.0	37.7	39.8	11	7.24	1330
R499952		4.57	<0.005	0.18	0.07	11.3	60	0.06	0.14	20.4	0.18	1.15	0.8	2	0.13	7.8
R499953		3.19	0.041	2.00	7.50	63.5	1230	1.49	2.26	1.96	1.92	55.3	11.2	11	12.75	94.8
R499954		2.14	0.291	1.70	7.20	77.3	1560	1.50	2.23	2.68	0.56	48.7	7.4	11	18.45	148.5
R499955		3.50	1.090	44.5	5.47	2500	130	1.32	79.4	2.71	5.88	44.5	10.4	7	10.25	399
R499956		3.67	0.028	4.84	7.75	69.9	1910	1.69	1.45	1.84	0.46	51.0	6.0	13	18.40	592
R499957		3.43	0.018	1.54	7.72	50.6	980	1.61	2.58	1.29	1.39	61.8	5.6	11	15.00	80.0
R499958		2.18	0.280	4.35	6.17	151.5	510	1.15	9.96	0.55	0.25	34.8	12.7	11	4.58	28.8
R499959		7.60	0.025	1.31	7.75	67.0	1530	1.66	2.37	2.20	0.96	52.1	17.3	15	12.10	28.4
R499960		3.17	0.035	1.92	7.68	62.0	460	1.61	3.02	1.96	1.26	51.6	21.4	11	11.90	20.3
R499961		5.90	<0.005	0.20	8.00	9.3	2230	1.65	0.55	2.88	0.13	52.0	7.0	14	8.22	16.0
R499962		3.94	0.089	7.23	7.39	114.0	1160	1.54	10.25	1.96	2.42	51.1	15.8	11	13.60	112.5
R499963		1.92	0.695	3.69	7.22	269	620	1.44	5.01	1.08	0.57	53.4	35.0	12	10.35	208
R499964		3.50	0.015	0.53	7.21	25.5	1980	1.60	0.86	2.70	0.25	41.9	7.3	12	20.2	48.4
R499965		1.90	0.006	0.31	6.60	28.5	1870	1.79	0.58	2.94	0.19	41.9	6.4	11	10.30	47.1
R499966		2.78	0.027	1.62	6.40	68.3	700	1.55	3.64	3.63	0.55	46.3	38.5	10	16.70	13.2
R499967		4.61	<0.005	0.02	0.07	0.4	20	0.06	0.04	20.2	0.06	1.07	0.9	1	0.14	2.0
R499968		6.94	0.009	0.13	8.00	12.8	1920	1.35	0.38	1.40	0.11	50.1	7.2	9	15.30	21.0
R499969		3.53	0.014	1.17	6.99	58.7	490	1.44	2.52	2.87	1.42	49.9	80.6	8	13.90	48.4
R499970		4.98	0.014	0.25	7.34	26.0	1620	1.71	1.01	2.55	0.19	46.9	8.5	16	12.15	31.9
R499971		6.62	0.019	0.51	7.30	24.8	1870	1.59	1.34	2.62	3.67	46.9	5.3	12	10.75	43.5
R499972		<0.02	0.014	0.52	7.05	25.0	1770	1.81	1.27	2.52	3.11	47.5	5.4	11	10.70	40.7
R499973		3.87	0.013	0.76	7.59	60.1	1950	1.75	1.14	2.49	0.58	49.8	4.3	11	15.35	126.5
R499974		4.28	0.005	0.35	7.23	20.4	1800	1.72	0.85	2.79	0.39	48.6	9.5	14	13.75	17.2
R499975		0.30	0.358	4.66	6.89	732	500	1.56	3.37	2.02	11.00	48.6	12.4	25	13.35	325
R499976		1.64	0.056	2.19	5.95	85.1	1440	1.52	2.98	5.26	0.85	41.4	33.6	8	11.30	51.2
R499977		5.14	0.048	2.14	7.20	134.5	1790	1.65	1.57	2.67	16.15	43.9	17.6	10	12.05	23.7
R499978		2.53	<0.005	0.30	6.21	45.3	660	1.72	0.34	3.00	0.71	35.3	6.8	8	17.15	10.7
R499979		1.22	0.063	0.64	2.93	159.0	500	0.78	0.53	3.45	0.54	22.9	7.3	7	11.30	7.7
R499980		3.50	<0.005	0.16	7.54	12.7	1590	1.71	0.31	1.78	0.16	32.9	8.4	10	28.7	22.2
R499981		1.21	<0.005	0.11	6.07	23.3	1300	1.48	0.21	4.56	0.15	34.0	7.8	7	21.2	8.4
R499982		5.18	<0.005	0.92	6.62	13.0	2020	1.43	9.46	3.70	0.10	45.0	7.9	9	12.55	11.2
R499983		1.83	0.014	7.32	7.03	47.7	2130	1.67	0.25	2.68	0.59	46.2	7.2	10	19.80	13.3
R499984		9.85	<0.005	0.36	7.26	40.0	1450	1.50	0.21	2.12	2.78	44.8	8.5	11	19.25	12.2

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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 18-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15098454

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
R499949		6.47	15.70	0.13	1.1	0.769	2.84	24.0	19.1	0.73	1760	8.86	0.12	6.5	12.1	510
R499950		3.03	17.30	0.16	1.0	0.311	3.01	23.9	10.8	0.77	901	2.06	1.33	7.8	2.3	630
R499951		10.55	14.70	0.12	0.8	1.285	3.03	18.2	5.2	0.56	1100	1.55	0.03	5.7	4.2	530
R499952		0.50	0.23	0.08	<0.1	0.005	0.03	0.6	0.8	12.75	212	0.18	<0.01	0.1	1.4	160
R499953		4.24	17.05	0.11	1.0	0.411	3.65	30.8	7.1	0.98	1460	1.21	0.10	6.8	2.9	600
R499954		3.31	15.75	0.15	1.1	0.236	2.90	26.6	20.4	0.89	1420	1.64	0.43	7.4	2.7	600
R499955		8.25	14.40	0.16	0.8	0.497	2.46	22.7	9.6	1.09	1940	15.90	0.07	5.7	3.1	500
R499956		3.13	17.25	0.18	1.1	0.333	2.60	27.6	21.2	0.74	639	4.61	0.89	8.2	3.4	630
R499957		5.92	17.00	0.18	0.9	0.566	3.45	34.6	18.5	0.94	2270	3.20	0.22	6.6	2.9	590
R499958		9.60	16.45	0.14	0.8	0.250	2.96	17.2	9.4	0.47	525	2.91	0.04	5.6	2.9	510
R499959		4.23	16.75	0.17	0.8	0.272	3.02	29.0	14.9	0.91	1320	1.55	1.18	7.3	3.1	640
R499960		4.86	16.10	0.18	0.8	0.261	3.01	29.4	16.6	0.86	1250	1.25	1.00	6.6	2.8	610
R499961		3.13	17.40	0.23	0.9	0.118	2.62	27.4	14.9	0.89	699	1.89	2.04	8.0	2.5	680
R499962		5.57	17.20	0.19	0.8	0.299	3.44	28.6	9.0	1.17	2070	2.16	0.04	6.3	2.8	570
R499963		8.63	16.80	0.14	0.8	0.308	3.41	28.9	6.2	0.78	1090	3.28	0.04	6.0	3.8	580
R499964		3.12	16.85	0.17	1.0	0.085	2.78	20.0	19.0	0.78	1180	2.09	1.27	7.7	2.5	590
R499965		2.50	15.10	0.20	1.0	0.084	2.67	21.3	10.1	0.77	742	1.61	1.63	6.9	2.4	500
R499966		3.81	14.10	0.16	0.8	0.221	2.52	26.3	22.8	0.92	1080	1.77	0.05	6.4	3.3	520
R499967		0.49	0.18	0.09	<0.1	<0.005	0.02	0.5	1.0	12.45	228	0.10	0.01	0.1	1.4	170
R499968		2.71	18.15	0.15	1.1	0.115	2.31	26.4	41.6	0.56	780	0.90	0.05	8.9	2.2	650
R499969		4.90	14.75	0.13	0.8	0.243	2.63	28.8	19.0	1.22	1380	0.85	0.04	6.5	2.8	480
R499970		2.63	16.55	0.20	0.9	0.181	2.80	25.1	23.1	0.69	850	2.81	0.98	6.8	2.3	580
R499971		2.84	16.15	0.18	0.9	0.306	3.15	24.4	10.0	0.73	968	0.67	1.42	6.9	2.2	570
R499972		2.70	16.25	0.23	0.9	0.308	3.00	25.6	10.3	0.71	931	0.58	1.36	7.0	2.2	560
R499973		3.31	16.70	0.20	0.8	0.202	3.08	27.3	14.4	0.81	1340	0.89	0.94	7.3	2.7	610
R499974		3.05	16.35	0.21	0.8	0.230	2.69	27.2	26.1	0.99	1160	1.58	0.31	6.6	2.7	580
R499975		5.06	16.65	0.19	1.1	0.283	3.00	28.2	26.4	0.77	1900	15.10	0.15	6.1	15.5	520
R499976		4.05	13.50	0.18	0.8	0.359	2.52	22.7	13.7	1.88	2020	3.81	0.06	5.1	4.2	470
R499977		2.71	15.20	0.18	1.0	0.361	2.57	22.7	17.1	0.94	923	3.09	0.27	6.9	2.7	520
R499978		2.96	15.30	0.18	1.3	0.080	2.50	16.6	38.1	0.43	1240	6.20	0.03	7.0	2.8	530
R499979		3.33	6.86	0.13	0.5	0.073	1.24	13.1	43.8	0.43	3480	8.08	0.02	2.9	2.4	170
R499980		3.08	17.75	0.19	1.5	0.049	2.37	15.0	106.0	0.16	930	3.52	0.07	9.0	2.8	630
R499981		3.19	14.65	0.18	1.3	0.038	2.05	15.8	47.8	0.37	1540	2.78	0.03	6.8	2.7	540
R499982		2.77	15.65	0.20	1.2	0.067	2.05	21.8	20.1	0.84	970	0.79	0.54	7.0	2.2	590
R499983		3.49	16.30	0.19	1.1	0.105	3.20	23.1	34.4	0.97	3170	0.67	0.10	7.2	2.8	600
R499984		3.06	17.25	0.20	1.2	0.084	2.60	20.7	29.3	0.67	1360	0.71	0.72	8.1	2.8	650

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CERTIFICATE OF ANALYSIS WH15098454

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
R499949		1310	167.0	<0.002	4.53	65.2	9.3	1	8.1	95.4	0.50	1.39	10.8	0.204	2.58	4.9
R499950		34.9	141.5	<0.002	1.08	4.04	11.4	2	2.8	258	0.60	0.31	12.8	0.252	1.96	4.4
R499951		1775	213	<0.002	>10.0	55.2	10.3	2	7.5	38.3	0.47	2.33	9.3	0.197	2.54	3.6
R499952		9.6	1.6	<0.002	0.04	0.32	0.2	<1	<0.2	50.6	<0.05	<0.05	<0.2	<0.005	0.02	0.5
R499953		198.5	232	<0.002	1.86	5.99	11.4	1	5.5	86.9	0.55	0.44	14.5	0.239	2.89	4.8
R499954		43.7	128.5	<0.002	0.60	19.50	10.8	1	2.6	151.5	0.64	0.19	13.4	0.251	2.02	6.5
R499955		413	163.5	<0.002	6.73	52.2	8.7	1	9.4	71.2	0.47	0.67	9.6	0.193	2.13	6.5
R499956		25.4	108.0	<0.002	0.42	24.7	12.5	1	3.5	197.5	0.68	0.23	14.3	0.271	1.64	5.0
R499957		65.4	234	<0.002	1.26	6.16	11.8	1	4.8	81.9	0.51	0.39	14.1	0.227	3.11	4.2
R499958		68.9	169.0	<0.002	9.04	2.45	9.7	2	8.9	24.5	0.44	1.18	9.7	0.186	2.16	3.9
R499959		58.7	159.5	<0.002	1.71	4.76	11.9	<1	5.0	217	0.51	0.89	12.5	0.266	2.16	3.8
R499960		72.2	167.0	<0.002	2.20	4.63	11.2	<1	4.0	206	0.45	0.72	11.7	0.242	2.25	3.6
R499961		16.9	117.5	<0.002	0.28	2.92	12.9	1	3.1	403	0.61	0.15	13.0	0.283	1.48	3.9
R499962		211	233	<0.002	1.89	13.70	11.8	1	5.5	67.1	0.46	0.44	13.0	0.215	3.30	6.8
R499963		79.4	222	<0.002	6.45	11.05	11.1	1	10.9	48.3	0.44	1.37	13.8	0.220	2.83	5.2
R499964		24.0	117.5	<0.002	0.40	3.40	11.2	1	2.8	297	0.56	0.17	11.8	0.260	1.99	3.7
R499965		21.2	93.5	<0.002	0.23	4.83	9.4	1	1.8	322	0.56	0.18	12.7	0.221	1.36	4.2
R499966		47.5	122.0	<0.002	1.94	19.50	9.5	<1	3.7	105.5	0.62	2.00	11.8	0.198	1.94	7.9
R499967		1.5	1.0	<0.002	0.01	0.07	0.2	<1	<0.2	50.4	<0.05	<0.05	<0.2	<0.005	0.02	0.9
R499968		13.3	97.6	<0.002	0.28	12.00	11.8	1	3.3	86.8	0.87	0.12	14.3	0.274	1.39	3.3
R499969		70.6	126.5	<0.002	2.23	13.00	9.4	1	5.1	71.5	0.60	1.47	12.6	0.205	1.90	6.4
R499970		16.0	131.0	<0.002	0.70	9.00	10.2	1	2.8	189.0	0.58	0.31	12.5	0.228	2.04	4.2
R499971		28.3	166.0	<0.002	0.79	4.82	10.7	1	2.8	236	0.53	0.26	13.5	0.229	2.23	4.2
R499972		28.1	168.5	<0.002	0.75	4.85	10.8	1	2.8	225	0.55	0.29	13.5	0.222	2.17	4.2
R499973		22.9	160.0	<0.002	0.77	12.95	11.6	1	3.5	203	0.52	0.14	12.4	0.254	2.30	4.2
R499974		32.7	120.0	<0.002	0.54	11.25	10.9	<1	3.2	144.0	0.56	0.16	12.1	0.222	2.08	3.9
R499975		512	169.0	0.005	2.69	29.5	9.9	1	5.8	111.5	0.49	0.36	11.7	0.205	2.61	5.2
R499976		58.4	128.0	<0.002	1.33	18.80	8.9	1	3.6	125.0	0.46	0.41	10.2	0.162	2.14	6.9
R499977		452	121.0	<0.002	1.13	12.65	10.2	<1	3.8	120.5	0.67	0.34	14.0	0.208	1.82	5.9
R499978		87.3	115.5	<0.002	0.04	25.4	10.2	<1	2.0	96.7	0.59	<0.05	10.9	0.239	2.14	4.4
R499979		23.5	73.4	<0.002	0.26	73.8	5.8	<1	1.4	124.0	0.24	<0.05	4.8	0.102	0.95	4.6
R499980		12.8	98.7	<0.002	0.02	19.50	11.8	1	2.3	81.8	0.78	<0.05	10.2	0.296	1.34	3.6
R499981		16.1	85.5	<0.002	0.03	19.10	9.3	1	1.6	151.0	0.59	<0.05	9.7	0.244	1.84	6.2
R499982		21.5	88.4	<0.002	0.06	7.74	11.7	1	2.0	174.5	0.55	0.14	11.0	0.254	1.26	6.9
R499983		69.1	194.0	<0.002	0.37	14.60	12.2	1	1.7	139.0	0.55	<0.05	11.1	0.262	2.50	4.0
R499984		73.0	115.5	<0.002	0.16	13.20	13.0	<1	1.7	217	0.61	<0.05	10.9	0.290	2.00	3.7

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
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www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 18-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15098454

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	V	W	Y	Zn	Zr
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	1	0.1	0.1	2	0.5
R499949		61	6.0	11.0	2380	28.4
R499950		74	1.7	14.2	77	26.4
R499951		63	3.9	10.8	2140	22.6
R499952		2	0.1	0.7	27	<0.5
R499953		73	2.6	12.6	197	26.1
R499954		71	3.5	16.0	87	30.9
R499955		63	4.8	11.7	518	23.0
R499956		77	3.3	15.9	76	30.3
R499957		69	3.6	11.8	185	22.7
R499958		58	7.1	8.2	44	19.5
R499959		75	2.4	13.4	134	21.1
R499960		69	2.5	12.1	159	20.5
R499961		79	1.1	17.0	54	23.1
R499962		64	4.8	9.6	261	20.5
R499963		68	3.9	10.2	96	20.3
R499964		70	2.3	14.3	68	23.0
R499965		58	1.5	13.7	45	22.7
R499966		61	2.4	13.8	78	19.2
R499967		2	0.1	0.7	20	<0.5
R499968		72	9.8	15.4	52	24.0
R499969		60	3.1	14.4	159	18.5
R499970		69	1.7	12.9	55	21.2
R499971		66	1.6	13.0	331	21.2
R499972		63	1.7	13.3	283	21.3
R499973		70	2.8	13.8	96	19.3
R499974		67	1.8	13.8	82	18.4
R499975		66	5.6	11.9	905	31.8
R499976		54	3.5	13.0	102	18.0
R499977		59	1.8	13.7	1230	23.0
R499978		71	2.7	13.2	117	33.1
R499979		40	1.5	9.7	75	13.1
R499980		85	9.9	12.2	57	37.2
R499981		68	2.7	11.7	79	34.4
R499982		74	2.9	14.4	85	30.4
R499983		77	2.6	15.5	124	30.9
R499984		82	2.3	13.8	240	33.3

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: KLAZA

Finalized Date: 18-JUL-2015
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH15098454

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	ME-MS61

ALS Canada Ltd.

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 20-JUL-2015
Account: ROCKHA

CERTIFICATE WH15098461

Project: KLAZA

P.O. No.: BATCH 36

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 6-JUL-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21d	Sample logging - ClientBarCode Dup
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
SPL-21d	Split sample - duplicate
BAG-06	Double Bagging Coarse Rejects
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31d	Pulverize Split - duplicate

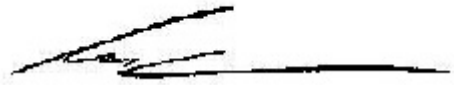
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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VANCOUVER BC V6B 1L8

Finalized Date: 20-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15098461

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-AA24 Au ppm 0.005	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05	ME-MS61 Cu ppm 0.2
R499605		3.34	0.031	0.79	6.72	242	1610	1.51	0.20	3.44	1.00	43.5	7.3	14	20.9	11.4
R499606		7.11	<0.005	0.46	6.75	52.7	1850	1.62	0.28	2.60	1.71	39.1	7.1	15	25.7	10.0
R499607		7.19	<0.005	0.25	6.78	21.8	2050	1.51	0.30	2.69	0.44	38.7	7.3	16	20.7	9.7
R499608		0.33	0.885	11.10	6.32	1490	1280	1.39	11.45	1.81	31.6	45.4	17.2	17	12.95	277
R499609		1.55	0.329	19.30	5.43	1810	1060	1.25	0.23	4.59	71.7	39.3	6.4	11	13.80	27.1
R499610		5.39	0.007	0.25	6.58	49.8	1930	1.48	0.35	2.98	0.31	40.7	7.0	14	18.00	11.2
R499611		1.91	0.005	0.28	6.99	23.0	1890	1.49	0.14	2.29	0.44	55.9	8.0	15	20.0	111.0
R499612		1.78	0.458	13.45	5.53	2140	450	1.49	5.68	3.55	31.1	40.9	9.3	12	20.2	206
R499613		4.57	<0.005	0.04	0.09	1.6	130	0.05	0.07	20.3	0.10	1.32	1.1	<1	0.22	2.7
R499614		2.09	<0.005	0.14	7.35	16.3	1660	1.46	0.19	1.78	0.22	52.0	5.9	14	20.3	7.9
R499615		3.08	0.005	0.23	6.76	17.3	1570	1.51	0.59	1.70	0.09	52.9	5.6	11	13.60	88.3
R499616		4.35	0.014	1.76	6.20	79.7	1050	1.53	0.36	2.22	2.05	47.0	4.2	10	16.05	103.5
R499617		3.38	<0.005	0.33	6.84	16.5	1250	1.44	0.18	3.69	0.24	44.0	5.1	13	16.50	16.8
R499618		5.30	<0.005	0.15	7.05	8.8	2160	1.40	0.28	2.46	0.12	52.4	6.4	14	20.3	14.7
R499619		3.33	<0.005	0.21	7.09	31.1	2210	1.45	0.37	2.61	0.12	47.1	10.2	15	11.25	51.0
R499620		1.36	0.565	12.60	6.75	1430	740	1.29	0.57	2.64	6.96	50.7	7.9	16	9.39	62.4
R499621		<0.02	0.578	12.95	6.69	1450	730	1.14	0.52	2.61	6.67	50.9	7.6	16	8.92	60.2
R499622		2.04	<0.005	0.28	6.87	19.9	2400	1.62	0.39	2.31	0.12	43.1	9.3	15	11.45	52.9
R499623		4.05	<0.005	0.15	7.25	10.8	2260	1.51	0.23	2.50	0.15	44.5	6.6	13	7.31	13.5
R499624		1.42	0.292	7.19	6.52	2470	620	1.37	1.60	1.39	24.1	47.7	6.3	17	8.23	46.5
R499625		2.29	<0.005	0.18	7.22	14.1	2170	1.61	0.27	2.85	0.17	47.9	7.0	33	9.64	15.7
R499626		1.71	0.328	19.25	6.60	1475	760	1.47	1.10	1.54	21.9	49.9	5.5	13	10.20	92.1
R499627		3.73	<0.005	0.26	7.40	18.9	2140	1.60	0.20	2.51	0.20	49.4	6.6	13	9.85	18.3
R499628		4.33	0.013	1.13	7.17	40.0	1980	1.54	0.24	2.57	2.93	44.8	6.7	12	11.85	20.3
R499629		0.31	1.650	39.0	5.71	2510	1170	1.25	36.9	1.65	46.2	38.8	17.9	22	10.25	1165
R499630		1.68	0.502	30.4	5.39	1405	500	1.11	3.84	0.84	50.4	37.8	6.2	12	5.65	127.0
R499631		5.11	<0.005	0.42	7.31	32.1	2250	1.54	0.44	2.64	0.73	43.0	7.8	16	9.21	16.3
R499632		2.23	<0.005	0.48	6.96	37.4	2300	1.51	0.28	2.56	0.90	43.2	6.2	12	8.83	18.0
R499633		2.90	0.007	0.70	6.57	59.7	1970	1.55	0.27	2.87	0.88	38.3	6.1	12	16.10	14.0
R499634		3.65	0.005	0.63	7.01	50.0	2270	1.55	0.36	2.57	1.66	46.4	7.6	13	9.12	10.9
R499635		2.46	0.066	1.62	7.13	128.5	1230	1.69	0.24	2.05	1.01	46.3	6.6	12	20.6	16.4
R499636		1.46	5.85	54.1	5.37	368	1030	1.36	0.47	4.70	51.9	43.2	6.5	8	20.4	129.5
R499637		4.55	<0.005	0.11	0.09	1.3	20	<0.05	0.03	21.0	0.15	1.40	1.0	1	0.24	2.5
R499638		1.57	0.046	2.26	7.19	269	440	1.67	0.21	2.77	2.77	50.6	8.2	12	22.3	18.3
R499639		1.82	0.754	7.16	6.04	820	490	1.38	1.12	2.68	37.8	42.6	47.6	13	12.90	51.3
R499640		3.15	0.035	1.28	6.68	140.0	1450	1.58	0.66	2.56	6.45	40.7	8.1	17	17.60	13.8

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 20-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15098461

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
R499605		2.88	14.80	0.14	1.1	0.037	3.13	22.6	35.5	0.97	1740	2.78	0.62	8.0	5.0	590
R499606		2.79	15.05	0.13	1.2	0.032	3.40	19.7	14.9	0.71	1380	2.04	0.95	8.1	2.9	560
R499607		2.87	15.60	0.09	1.1	0.031	2.77	19.2	41.1	0.72	1040	1.37	1.55	8.2	2.7	590
R499608		6.37	14.35	0.08	1.1	0.755	2.79	25.2	17.6	0.75	1780	8.97	0.12	6.2	11.3	530
R499609		3.78	11.65	0.05	0.9	0.036	2.50	22.2	44.4	1.43	4880	2.27	0.29	5.9	2.3	440
R499610		2.83	15.05	0.10	1.1	0.035	2.83	20.4	41.8	0.86	1160	1.43	1.30	7.9	2.5	570
R499611		3.01	15.40	0.11	1.5	0.045	3.13	30.0	110.0	0.84	882	1.36	0.51	8.5	2.9	620
R499612		3.65	12.35	0.08	0.9	0.345	2.31	24.3	68.5	0.95	1880	28.5	0.03	5.7	3.5	450
R499613		0.47	0.37	0.15	<0.1	0.005	0.03	0.7	1.6	12.80	199	0.17	0.01	0.1	1.6	190
R499614		2.56	15.45	0.18	1.7	0.030	3.19	27.5	141.5	0.61	639	1.28	0.90	8.6	2.1	560
R499615		2.44	14.45	0.15	2.2	0.056	3.43	29.2	27.0	0.72	473	1.64	0.48	10.8	1.8	400
R499616		2.35	12.95	0.10	1.4	0.055	2.80	27.2	94.9	0.79	1920	2.63	0.03	7.6	1.9	420
R499617		2.78	13.85	0.10	1.2	0.087	2.72	24.7	96.2	1.30	1800	1.34	0.03	7.3	2.2	480
R499618		2.72	14.70	0.11	1.4	0.039	3.05	29.7	64.3	0.80	826	2.23	0.47	8.2	2.1	500
R499619		2.82	15.05	0.12	1.2	0.085	3.50	25.3	15.1	0.67	1300	1.33	1.31	7.8	2.2	560
R499620		4.39	14.60	0.10	1.2	0.302	3.50	29.7	12.4	0.80	5170	1.40	0.03	7.7	3.0	520
R499621		4.40	14.10	0.08	1.1	0.284	3.44	30.0	11.1	0.80	5160	1.81	0.03	7.5	2.6	520
R499622		2.73	15.00	0.10	1.2	0.082	3.43	22.0	11.4	0.59	1050	3.37	1.33	8.4	2.2	570
R499623		2.83	15.30	0.12	1.1	0.040	2.72	23.9	11.8	0.71	649	1.73	2.22	7.7	2.3	550
R499624		6.12	14.85	0.08	0.9	0.271	3.02	27.3	8.1	0.61	2880	2.27	0.03	6.9	2.0	480
R499625		2.96	16.20	0.11	1.1	0.045	2.81	23.9	9.0	0.64	927	1.77	2.06	8.2	6.9	560
R499626		4.74	14.40	0.08	1.0	0.281	3.14	28.3	8.9	0.51	2520	1.79	0.14	6.9	2.1	490
R499627		3.17	16.30	0.10	1.0	0.052	2.70	26.2	9.8	0.72	812	2.03	2.06	8.7	2.7	620
R499628		2.97	15.40	0.10	1.0	0.064	3.13	24.2	7.2	0.68	1370	1.42	1.45	7.8	2.2	590
R499629		9.13	14.25	0.08	0.8	1.560	2.60	20.7	16.0	0.68	2280	16.80	0.06	5.1	14.8	450
R499630		6.85	12.30	0.07	0.8	0.569	2.65	21.5	9.6	0.38	1100	3.87	0.02	6.1	2.0	400
R499631		3.01	15.80	0.10	1.1	0.069	3.20	22.5	8.0	0.62	1040	2.15	1.72	8.1	2.3	570
R499632		2.87	15.10	0.09	1.1	0.066	3.05	22.5	8.1	0.59	1040	1.83	1.60	7.6	2.1	570
R499633		2.88	15.40	0.10	1.1	0.107	3.51	19.0	8.4	0.54	2010	1.91	1.01	7.8	2.2	580
R499634		3.17	16.05	0.10	1.1	0.104	2.89	23.2	9.2	0.69	1390	1.76	1.84	8.0	2.6	580
R499635		2.31	16.40	0.10	1.4	0.052	3.13	24.3	21.5	0.46	797	1.39	0.75	8.6	2.3	560
R499636		3.67	12.50	0.07	0.9	0.087	2.28	24.7	21.4	1.04	3570	1.49	0.02	5.9	2.0	400
R499637		0.47	0.35	0.12	<0.1	<0.005	0.03	0.7	1.0	13.25	209	0.22	0.01	0.3	1.6	190
R499638		3.18	16.40	0.14	1.5	0.077	2.89	26.0	34.4	0.86	1980	1.75	0.03	8.8	2.3	760
R499639		5.80	13.05	0.06	1.2	0.153	2.81	24.0	9.9	0.85	3650	2.69	0.02	6.8	2.4	450
R499640		3.39	15.25	0.11	1.2	0.161	3.84	21.2	12.3	0.64	2320	1.53	0.17	8.1	2.1	530

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Finalized Date: 20-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15098461

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
R499605		74.9	129.5	0.002	0.43	13.25	9.7	1	1.7	223	0.67	<0.05	12.1	0.244	2.40	4.5
R499606		27.5	145.5	<0.002	0.16	8.67	9.5	1	1.7	242	0.70	<0.05	12.4	0.242	2.49	4.7
R499607		31.4	102.0	<0.002	0.09	5.17	9.7	1	1.6	325	0.65	<0.05	10.8	0.258	1.55	3.6
R499608		1285	154.5	0.002	4.56	60.4	8.8	2	7.6	93.1	0.51	1.11	11.1	0.204	2.51	5.2
R499609		1235	141.5	<0.002	1.41	59.1	7.6	1	2.7	162.0	0.49	<0.05	10.4	0.182	2.09	5.7
R499610		22.2	113.0	<0.002	0.14	8.66	9.6	1	1.6	293	0.63	<0.05	11.5	0.247	1.72	4.4
R499611		21.3	117.0	<0.002	0.18	13.90	10.7	1	1.6	213	0.73	<0.05	14.2	0.268	1.87	3.8
R499612		1640	133.5	0.002	2.03	102.5	7.1	1	3.6	164.5	0.47	0.39	9.0	0.192	2.36	5.7
R499613		4.3	1.3	0.002	0.01	0.21	0.2	<1	<0.2	48.0	<0.05	<0.05	<0.2	<0.005	0.02	0.8
R499614		21.9	118.5	<0.002	0.07	10.60	9.3	1	1.5	229	0.86	<0.05	16.6	0.243	1.46	5.7
R499615		18.9	151.5	<0.002	0.11	12.40	7.4	1	1.4	144.0	1.41	<0.05	26.3	0.174	1.69	8.3
R499616		75.1	145.0	<0.002	0.40	75.7	7.3	1	1.8	161.5	0.86	<0.05	18.5	0.177	2.15	10.4
R499617		15.6	135.5	<0.002	0.15	18.50	8.5	1	1.5	217	0.67	<0.05	14.4	0.208	2.41	5.5
R499618		17.2	124.0	<0.002	0.07	11.60	8.8	1	1.8	217	0.79	<0.05	18.2	0.216	1.53	4.9
R499619		16.1	156.5	<0.002	0.21	21.5	9.6	1	1.7	246	0.67	<0.05	15.2	0.236	1.93	4.7
R499620		95.0	221	<0.002	2.57	56.6	9.7	1	3.3	56.7	0.65	<0.05	15.1	0.229	2.99	5.8
R499621		94.8	218	<0.002	2.60	59.2	9.5	1	3.2	55.1	0.59	<0.05	14.5	0.225	2.89	5.7
R499622		14.7	141.0	<0.002	0.12	14.25	9.5	1	1.8	258	0.77	<0.05	13.8	0.238	1.82	5.4
R499623		20.4	106.5	<0.002	0.02	1.86	9.9	1	1.6	347	0.63	<0.05	13.5	0.244	1.17	4.5
R499624		893	185.0	<0.002	3.54	23.1	9.0	1	5.0	32.3	0.54	<0.05	11.8	0.211	2.74	4.5
R499625		24.0	113.5	<0.002	0.02	2.81	10.3	1	1.8	330	0.66	<0.05	12.7	0.248	1.45	3.7
R499626		775	190.0	<0.002	2.93	24.3	9.6	1	5.0	50.7	0.56	<0.05	12.2	0.213	2.75	5.2
R499627		22.9	116.5	<0.002	0.07	3.46	11.1	1	1.8	320	0.69	<0.05	13.3	0.268	1.39	4.0
R499628		235	145.5	<0.002	0.31	5.55	10.3	1	2.1	266	0.62	<0.05	12.0	0.253	1.95	4.0
R499629		1655	150.0	0.002	7.85	103.0	8.6	2	11.0	66.2	0.40	0.73	9.7	0.167	2.29	5.8
R499630		7050	166.5	<0.002	6.87	54.7	7.6	1	5.8	20.1	0.48	0.08	9.5	0.177	2.43	3.7
R499631		73.1	139.0	<0.002	0.14	3.64	9.9	1	1.7	279	0.66	0.10	12.6	0.248	1.83	4.3
R499632		94.6	131.0	<0.002	0.15	3.73	9.3	1	1.7	266	0.64	<0.05	12.5	0.239	1.65	4.1
R499633		52.5	140.0	<0.002	0.19	7.05	9.6	1	1.8	215	0.61	<0.05	11.1	0.253	2.51	4.1
R499634		102.0	116.5	<0.002	0.08	3.98	10.2	1	1.9	318	0.61	0.05	12.3	0.253	1.56	4.2
R499635		45.9	149.5	<0.002	0.36	11.70	10.0	1	1.6	166.5	0.74	<0.05	13.5	0.247	2.66	5.3
R499636		7510	138.0	<0.002	2.06	53.2	8.0	1	2.8	136.0	0.50	<0.05	10.3	0.186	3.01	6.4
R499637		16.8	1.6	<0.002	<0.01	0.15	0.2	<1	<0.2	47.3	<0.05	<0.05	<0.2	<0.005	0.02	0.7
R499638		167.5	138.0	<0.002	0.97	14.75	13.0	1	2.2	106.5	0.79	<0.05	13.3	0.345	3.13	7.5
R499639		667	162.5	<0.002	4.46	19.95	8.0	1	1.9	57.4	0.65	0.88	12.4	0.193	2.81	6.1
R499640		109.0	181.0	<0.002	0.65	10.50	9.2	1	1.9	118.5	0.77	0.05	11.5	0.231	3.15	5.6

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 20-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15098461

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	V	W	Y	Zn	Zr
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	1	0.1	0.1	2	0.5
R499605		68	1.9	15.7	120	30.3
R499606		70	1.5	15.0	146	32.3
R499607		70	1.6	15.0	69	31.0
R499608		60	5.6	10.8	2300	29.2
R499609		50	3.6	14.4	4280	24.0
R499610		68	1.2	15.1	60	30.9
R499611		75	3.0	16.6	78	41.1
R499612		57	10.4	14.6	2070	25.4
R499613		2	0.1	0.8	20	<0.5
R499614		67	1.9	15.8	56	44.2
R499615		47	3.0	18.0	41	52.6
R499616		51	3.4	15.5	169	34.1
R499617		58	4.9	15.6	62	32.2
R499618		60	2.5	16.4	49	36.7
R499619		65	3.0	15.4	51	30.7
R499620		57	5.0	14.7	783	30.7
R499621		57	4.8	13.7	792	29.5
R499622		64	2.3	14.8	44	31.1
R499623		66	2.0	16.1	41	28.3
R499624		56	8.2	9.5	1500	23.6
R499625		68	2.7	16.5	54	30.0
R499626		60	11.2	12.2	1420	25.4
R499627		73	2.4	17.8	58	28.2
R499628		68	3.3	16.5	344	26.3
R499629		56	7.5	9.7	3300	23.9
R499630		47	7.3	8.9	3990	19.9
R499631		68	1.8	15.2	117	32.1
R499632		65	1.8	14.9	129	29.0
R499633		69	2.6	13.6	106	30.2
R499634		68	1.6	16.1	154	31.2
R499635		66	6.9	14.3	122	36.5
R499636		51	7.1	15.4	3400	24.2
R499637		2	0.1	0.9	21	<0.5
R499638		92	15.2	18.6	309	36.7
R499639		51	33.9	15.4	2510	29.7
R499640		62	4.7	14.1	455	31.4

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: KLAZA

Finalized Date: 20-JUL-2015
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH15098461

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	ME-MS61

ALS Canada Ltd.

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Finalized Date: 20-JUL-2015
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CERTIFICATE WH15098462

Project: KLAZA

P.O. No.: BATCH 38

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 6-JUL-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21d	Sample logging - ClientBarCode Dup
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
SPL-21d	Split sample - duplicate
BAG-06	Double Bagging Coarse Rejects
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31d	Pulverize Split - duplicate

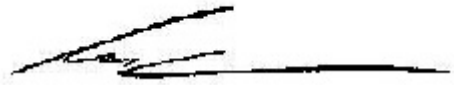
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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Finalized Date: 20-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15098462

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
R499985		6.06	0.028	5.96	6.90	150.5	1360	1.47	0.17	2.85	1.05	47.2	7.6	10	21.1	41.6
R499986		1.25	0.042	5.27	6.61	193.0	1180	1.26	0.24	3.68	7.72	43.8	7.8	8	18.60	34.0
R499987		4.80	0.015	5.04	7.22	38.8	1980	1.44	0.23	2.75	4.59	42.6	7.8	12	14.05	20.7
R499988		1.82	0.011	2.08	6.92	43.2	1760	1.39	0.17	2.64	8.52	45.4	7.4	10	12.45	16.9
R499989		1.57	0.014	1.33	6.93	347	690	1.43	0.13	3.15	3.01	43.9	8.2	8	22.0	11.1
R499990		2.16	<0.005	0.08	6.65	6.5	1400	1.29	0.16	2.89	0.08	42.3	7.4	9	13.85	5.7
R499991		5.24	<0.005	0.09	7.13	6.1	2070	1.51	0.16	2.85	0.10	45.3	8.1	11	10.45	9.1
R499992		0.34	0.353	4.38	6.35	685	450	1.42	3.27	1.97	10.05	47.0	11.6	25	13.70	315
R499993		1.60	0.013	1.11	6.58	52.6	1370	1.21	0.18	2.79	3.00	43.4	7.1	8	15.65	8.7
R499994		3.08	0.022	1.28	7.06	115.0	1390	1.40	0.17	2.72	7.12	48.7	9.0	9	15.50	26.6
R499995		1.95	0.015	1.36	7.33	103.0	1630	1.42	0.20	1.97	1.97	40.0	6.7	9	15.80	27.6
R499996		1.41	0.013	1.48	6.78	414	1330	1.39	0.20	3.36	4.68	50.6	8.1	8	18.00	12.8
R499997		4.36	0.038	0.21	7.18	32.9	1920	1.69	0.29	2.31	0.12	42.0	6.9	9	16.85	9.9
R499998		<0.02	0.020	0.34	7.19	34.5	1920	1.53	0.34	2.31	1.30	38.1	6.8	10	15.75	11.1
R499999		1.36	0.033	3.81	6.22	177.5	1040	1.26	0.49	2.38	2.10	38.5	8.2	8	11.95	36.7
R500000		5.02	0.008	3.02	7.33	36.6	1820	1.57	0.19	2.38	0.50	44.5	7.8	9	13.70	23.3
R610001		4.30	0.028	2.83	6.87	220	1040	1.39	0.35	2.62	64.4	46.8	8.4	9	15.45	48.4
R610002		0.29	1.840	39.2	5.57	2440	210	1.11	34.7	1.59	41.0	36.9	15.1	21	9.26	1190
R610003		3.67	0.005	2.82	7.32	62.5	1820	1.48	0.31	2.31	0.46	46.4	7.4	10	16.45	15.9
R610004		4.33	0.019	0.75	7.27	55.0	1620	1.43	0.30	2.14	6.08	49.2	8.1	11	14.35	12.3
R610005		3.64	0.069	44.8	7.22	169.5	1270	1.40	2.32	1.97	69.2	46.2	7.3	8	22.9	152.0
R610006		4.61	<0.005	0.05	0.07	0.5	20	0.05	0.04	20.5	0.10	1.07	0.7	<1	0.23	1.4
R610007		1.29	<0.005	0.27	6.94	14.9	1160	1.46	0.16	2.34	0.40	44.3	6.5	8	25.1	7.0
R610008		4.75	<0.005	0.16	7.51	14.0	2100	1.63	0.15	2.72	0.21	47.8	8.1	9	15.95	10.7
R610009		1.41	0.040	7.03	6.87	416	930	1.26	0.51	3.08	5.11	52.2	8.7	8	16.15	96.2
R610010		5.72	<0.005	0.36	7.35	31.7	1880	1.47	0.17	2.71	0.39	45.7	7.6	10	12.65	12.9
R610011		5.14	<0.005	0.09	7.44	3.7	2040	1.54	0.21	2.65	0.10	50.3	7.9	10	10.45	10.2
R610012		8.28	<0.005	0.11	7.21	5.7	1980	1.44	0.19	3.09	0.12	45.5	7.9	9	9.58	11.1
R610013		1.64	0.006	0.50	6.87	91.0	1960	1.29	0.21	2.05	0.27	37.8	7.4	9	12.55	10.7
R610014		6.79	<0.005	0.10	7.32	3.4	2070	1.52	0.16	2.73	0.10	46.0	7.9	10	8.36	9.4
R610015		10.47	<0.005	0.19	7.24	8.1	1930	1.52	0.15	2.88	0.12	45.2	8.2	12	7.70	12.9
R610016		5.47	0.032	3.22	6.84	57.2	1490	1.43	0.19	2.58	24.5	49.7	7.8	9	14.90	63.5
R610017		2.23	<0.005	0.10	6.99	12.9	1640	1.45	0.12	2.16	0.39	40.0	7.1	8	24.5	10.4
R610018		2.56	0.050	3.55	6.58	247	1760	1.60	0.36	2.21	19.35	47.9	9.7	7	16.60	19.9
R610019		4.45	<0.005	0.01	0.12	0.4	30	0.09	0.05	19.90	0.08	1.46	0.8	1	0.34	1.4
R610020		4.52	<0.005	0.13	7.49	11.9	1690	1.31	0.15	1.41	0.13	47.1	7.1	9	15.20	14.5

***** See Appendix Page for comments regarding this certificate *****

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VANCOUVER BC V6B 1L8

Finalized Date: 20-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15098462

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
R499985		3.52	15.25	0.12	1.0	0.146	3.15	24.0	38.7	0.89	3810	0.82	0.55	7.2	2.7	670
R499986		3.58	13.80	0.13	1.0	0.109	3.27	23.3	16.2	1.16	4560	0.72	0.33	6.2	2.6	570
R499987		3.34	15.00	0.14	1.1	0.081	2.86	21.4	12.9	0.79	2150	0.98	1.70	7.2	2.6	640
R499988		3.38	14.45	0.15	1.1	0.123	2.76	22.8	12.7	0.80	2670	1.06	1.53	6.9	2.5	610
R499989		2.67	14.40	0.14	1.1	0.056	3.09	22.2	40.1	0.92	2390	0.87	0.05	6.9	2.5	620
R499990		3.25	14.00	0.13	1.0	0.094	2.90	21.9	17.9	0.81	1480	1.36	1.05	6.8	2.4	590
R499991		3.10	15.50	0.15	1.1	0.031	2.45	23.2	12.4	0.76	674	1.27	2.07	7.4	2.6	650
R499992		4.88	14.55	0.14	1.0	0.300	2.87	26.1	24.7	0.73	1820	14.10	0.14	5.8	14.3	520
R499993		3.46	14.10	0.12	1.1	0.054	2.61	23.0	19.9	0.89	6140	1.35	0.39	6.6	2.5	570
R499994		3.70	15.50	0.13	1.2	0.134	3.42	24.8	24.9	0.84	4490	1.20	0.30	7.9	2.9	690
R499995		3.25	15.45	0.16	1.2	0.106	3.31	20.0	23.7	0.70	3590	0.91	0.37	7.3	2.1	650
R499996		3.64	14.75	0.16	1.0	0.097	3.32	28.0	14.7	1.05	6550	1.08	0.06	6.7	2.5	570
R499997		3.25	15.20	0.14	1.1	0.041	2.80	21.6	18.3	0.76	1000	1.16	1.11	7.4	2.3	620
R499998		3.32	14.55	0.14	1.1	0.066	2.87	19.3	18.6	0.76	1110	1.00	1.08	7.2	2.3	640
R499999		3.86	14.55	0.13	1.0	0.236	3.48	19.8	19.3	0.67	4450	0.55	0.07	6.6	2.1	550
R500000		3.24	15.75	0.15	1.2	0.073	3.14	22.5	20.9	0.76	1990	0.93	0.96	7.7	2.6	650
R610001		3.23	15.15	0.14	1.1	1.270	3.33	24.8	46.2	0.83	3650	1.67	0.09	7.1	2.4	590
R610002		9.02	12.85	0.14	0.7	1.435	2.58	19.1	14.5	0.66	2240	15.20	0.06	4.3	13.6	450
R610003		3.19	15.80	0.14	1.2	0.053	3.10	23.6	18.3	0.78	1720	0.89	1.29	7.6	2.5	640
R610004		3.61	15.25	0.14	1.2	0.113	3.68	26.0	15.9	0.71	2930	0.68	0.52	7.1	2.3	590
R610005		4.51	15.65	0.15	1.1	1.770	3.20	24.1	36.2	0.72	4750	1.57	0.07	7.4	2.3	680
R610006		0.49	0.20	0.09	<0.1	0.006	0.03	0.5	0.9	12.55	227	0.07	<0.01	0.2	1.5	180
R610007		2.63	15.05	0.16	1.1	0.037	2.43	22.4	95.7	0.72	983	0.87	0.11	7.3	1.8	650
R610008		3.31	15.40	0.18	1.2	0.042	2.78	25.2	17.2	0.86	844	0.99	1.68	7.6	2.6	670
R610009		3.12	14.45	0.14	1.2	0.243	3.34	29.8	19.6	0.96	8960	0.74	0.07	6.6	2.5	560
R610010		3.17	15.35	0.16	1.2	0.056	3.03	23.9	15.8	0.82	2240	1.14	1.42	7.3	2.4	630
R610011		3.15	15.65	0.16	1.2	0.039	2.58	26.1	14.8	0.87	744	0.98	1.97	7.5	2.7	650
R610012		3.16	14.85	0.17	1.2	0.039	2.50	23.5	17.4	0.92	984	1.02	1.58	7.2	2.7	630
R610013		3.37	15.65	0.15	1.1	0.090	3.24	18.4	20.9	0.64	4540	0.87	0.25	7.4	2.3	640
R610014		3.22	15.70	0.16	1.2	0.056	2.71	23.3	11.7	0.89	856	0.99	1.96	7.5	2.5	650
R610015		3.22	15.45	0.15	1.2	0.043	2.55	22.9	13.0	0.91	1030	1.28	1.96	7.4	2.7	660
R610016		3.56	15.00	0.18	1.3	0.391	3.15	26.2	17.1	0.76	3650	1.66	0.85	7.3	2.4	620
R610017		2.94	15.35	0.14	1.2	0.037	2.73	19.9	36.4	0.68	862	1.28	0.48	7.7	2.2	610
R610018		3.91	14.95	0.12	1.0	0.237	2.93	25.8	19.7	0.74	6400	1.05	0.25	6.3	2.4	520
R610019		0.50	0.34	0.10	<0.1	0.005	0.04	0.7	1.2	12.15	235	0.07	0.01	0.2	1.5	200
R610020		2.93	15.80	0.17	1.2	0.041	2.69	24.3	26.7	0.60	893	1.10	0.22	7.8	2.2	660

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 20-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15098462

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
R499985		103.5	146.5	<0.002	0.37	31.7	11.6	1	1.8	212	0.54	<0.05	10.4	0.282	2.50	3.7
R499986		241	167.5	<0.002	0.49	22.8	10.0	1	1.5	190.5	0.48	<0.05	12.2	0.246	2.34	4.0
R499987		257	116.5	<0.002	0.23	18.35	10.9	1	1.4	349	0.56	<0.05	11.9	0.277	1.43	3.8
R499988		120.5	116.5	<0.002	0.26	13.60	10.7	<1	1.5	316	0.54	<0.05	12.5	0.267	1.42	3.8
R499989		85.4	132.0	<0.002	0.28	16.45	10.6	1	1.4	184.0	0.55	<0.05	10.9	0.268	2.83	3.9
R499990		17.2	136.0	<0.002	0.10	4.33	10.4	1	1.3	213	0.54	<0.05	13.0	0.261	1.84	3.8
R499991		15.9	84.9	<0.002	0.02	2.24	11.0	1	1.3	433	0.60	<0.05	12.7	0.281	0.96	3.8
R499992		471	151.5	0.005	2.62	28.2	9.1	1	5.2	105.5	0.46	0.33	11.4	0.201	2.36	5.0
R499993		592	118.5	<0.002	0.36	56.7	10.4	<1	1.3	167.5	0.53	<0.05	12.0	0.242	1.64	4.7
R499994		148.0	173.0	<0.002	0.39	27.5	11.7	1	2.0	164.0	0.63	<0.05	12.5	0.292	2.44	4.0
R499995		160.0	149.5	<0.002	0.33	75.7	11.0	1	1.7	196.0	0.59	<0.05	11.8	0.267	2.01	3.7
R499996		429	204	<0.002	0.51	35.8	11.0	1	1.4	145.0	0.56	<0.05	13.3	0.241	2.50	4.2
R499997		19.0	116.5	<0.002	0.09	6.98	10.9	1	1.3	313	0.62	<0.05	12.2	0.268	1.37	4.3
R499998		21.7	108.5	<0.002	0.12	7.81	10.5	1	1.4	309	0.61	<0.05	11.5	0.272	1.35	4.0
R499999		106.5	189.5	<0.002	1.19	38.4	9.7	1	2.6	104.5	0.53	<0.05	10.8	0.236	2.82	4.2
R500000		59.9	141.5	<0.002	0.25	16.10	11.3	1	1.7	278	0.64	<0.05	13.1	0.278	1.80	4.3
R610001		71.4	175.0	<0.002	1.07	27.1	10.7	1	1.8	138.0	0.60	<0.05	12.3	0.250	2.49	5.4
R610002		1615	141.0	<0.002	7.66	98.5	7.9	2	9.5	60.2	0.35	0.67	8.7	0.162	1.99	5.2
R610003		45.2	142.0	<0.002	0.14	14.90	11.2	1	1.6	296	0.68	<0.05	12.9	0.272	1.67	4.3
R610004		165.5	194.0	<0.002	0.69	13.45	11.0	1	1.6	182.0	0.60	<0.05	13.5	0.255	2.45	5.5
R610005		546	174.0	<0.002	1.54	143.5	12.4	1	2.3	148.5	0.61	<0.05	12.9	0.282	2.35	4.2
R610006		2.0	1.5	<0.002	<0.01	0.19	0.2	<1	0.2	44.8	<0.05	<0.05	<0.2	<0.005	<0.02	0.7
R610007		10.7	98.5	<0.002	0.16	19.15	10.6	1	1.4	257	0.58	<0.05	12.3	0.269	1.93	2.7
R610008		25.3	115.5	<0.002	0.03	4.15	11.7	1	1.5	392	0.63	<0.05	13.6	0.285	1.29	4.5
R610009		1145	210	<0.002	0.52	77.7	10.5	1	1.5	151.5	0.57	<0.05	13.4	0.238	2.47	4.5
R610010		38.0	145.0	<0.002	0.14	5.83	11.1	1	1.5	314	0.62	<0.05	12.7	0.271	1.60	4.5
R610011		17.7	106.0	<0.002	0.01	2.20	11.8	1	1.3	403	0.62	<0.05	13.8	0.276	0.99	3.9
R610012		18.2	98.5	<0.002	0.03	2.62	11.4	<1	1.4	403	0.58	<0.05	12.8	0.280	0.96	3.9
R610013		83.0	135.5	<0.002	0.34	8.45	10.7	1	1.6	143.5	0.62	<0.05	11.0	0.273	1.98	3.7
R610014		17.2	105.5	<0.002	0.03	1.73	11.2	1	1.5	370	0.61	<0.05	12.6	0.275	1.13	4.4
R610015		19.2	99.2	<0.002	0.08	2.54	11.8	1	1.5	377	0.62	<0.05	12.8	0.276	1.12	4.1
R610016		435	169.5	<0.002	0.77	99.1	11.1	1	1.9	230	0.65	<0.05	13.5	0.254	2.07	4.8
R610017		23.8	99.6	<0.002	0.07	12.95	10.9	1	1.4	265	0.64	<0.05	11.8	0.277	1.49	4.4
R610018		1260	184.5	<0.002	0.85	31.4	9.8	<1	2.6	147.5	0.54	<0.05	12.4	0.224	2.26	6.5
R610019		2.6	2.1	<0.002	0.01	0.14	0.3	<1	<0.2	47.9	<0.05	<0.05	0.2	0.005	<0.02	0.6
R610020		16.4	107.5	<0.002	0.03	16.00	11.6	<1	1.6	132.5	0.66	<0.05	13.8	0.282	1.25	3.5

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 20-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15098462

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	V	W	Y	Zn	Zr
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	1	0.1	0.1	2	0.5
R499985		80	3.7	14.1	158	30.1
R499986		71	3.5	14.0	694	27.6
R499987		78	2.3	14.7	593	31.7
R499988		74	2.3	14.3	1040	32.2
R499989		75	10.7	14.2	251	31.6
R499990		72	3.0	14.3	69	28.2
R499991		79	1.9	14.6	55	31.0
R499992		63	5.0	11.4	802	31.0
R499993		72	3.0	14.6	243	30.2
R499994		86	4.8	16.8	626	33.3
R499995		77	3.4	13.4	371	33.1
R499996		71	3.9	16.6	474	27.9
R499997		75	1.9	14.3	57	31.4
R499998		76	2.1	13.0	216	29.7
R499999		66	5.7	11.8	378	27.3
R500000		79	3.1	14.4	133	32.6
R610001		71	4.6	14.5	7460	29.9
R610002		55	6.5	8.0	3140	22.1
R610003		76	2.1	14.9	104	33.5
R610004		73	3.3	14.9	626	32.5
R610005		83	5.7	14.0	7290	31.3
R610006		2	0.1	0.7	24	<0.5
R610007		74	2.5	13.4	91	32.7
R610008		80	1.8	16.5	67	34.1
R610009		68	5.0	16.9	749	32.3
R610010		76	1.9	15.5	97	34.2
R610011		79	1.2	16.1	52	35.1
R610012		79	1.5	16.5	53	32.9
R610013		75	3.1	13.2	82	31.8
R610014		77	1.2	15.7	55	34.2
R610015		81	1.1	16.4	56	33.0
R610016		73	2.9	16.2	2790	34.4
R610017		76	1.9	14.4	70	31.7
R610018		71	2.8	14.9	1470	28.9
R610019		2	0.1	0.8	19	0.5
R610020		77	3.7	15.3	60	32.5

***** See Appendix Page for comments regarding this certificate *****

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: KLAZA

Finalized Date: 20-JUL-2015
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH15098462

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	ME-MS61

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 20-JUL-2015
This copy reported on 18-AUG-2015
Account: ROCKHA

CERTIFICATE WH15098463

Project: KLAZA

P.O. No.: BATCH 39

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 6-JUL-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21d	Sample logging - ClientBarCode Dup
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
SPL-21d	Split sample - duplicate
BAG-06	Double Bagging Coarse Rejects
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31d	Pulverize Split - duplicate

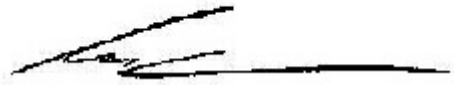
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
As-OG62	Ore Grade As - Four Acid	VARIABLE
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.

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Finalized Date: 20-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15098463

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-AA24 Au ppm 0.005	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05	ME-MS61 Cu ppm 0.2
R499641		3.87	<0.005	0.32	7.03	17.1	2170	1.58	0.22	2.62	0.51	43.2	7.5	11	8.09	173.5
R499642		2.31	<0.005	0.20	7.23	9.2	2080	1.51	0.34	2.17	0.21	48.4	6.9	9	11.00	9.1
R499643		2.91	0.275	2.16	7.02	131.5	1010	1.67	1.69	2.23	2.82	57.1	21.6	8	17.85	18.6
R499644		1.25	0.195	55.3	6.52	1220	980	1.65	1.56	1.42	140.5	47.8	6.2	7	15.50	152.5
R499645		1.37	<0.005	0.36	6.67	27.0	1030	1.65	0.17	1.99	0.35	40.9	6.3	8	20.7	7.7
R499646		1.31	0.027	22.1	6.54	291	5480	1.66	0.95	2.40	60.8	47.9	5.6	7	21.5	33.2
R499647		1.42	<0.005	0.38	6.93	33.5	3120	1.75	0.26	1.98	0.28	44.3	7.0	8	21.4	6.2
R499648		5.60	<0.005	0.19	7.10	12.0	1320	1.34	0.34	1.25	0.34	53.0	5.3	8	24.9	6.6
R499649		2.58	<0.005	0.21	6.94	13.3	1310	1.24	0.28	1.11	0.33	53.9	5.6	8	23.0	9.2
R499650		2.27	<0.005	0.36	5.92	32.1	570	1.26	0.20	2.27	0.57	45.8	8.2	7	19.45	13.1
R499651		5.23	<0.005	0.09	7.61	7.1	2160	1.45	0.20	1.35	0.11	54.4	6.7	8	22.3	10.4
R499652		2.11	<0.005	0.10	6.84	8.3	2240	1.63	0.15	2.62	0.11	42.4	5.6	11	14.30	9.5
R499653		0.30	0.971	11.80	6.64	1580	1220	1.46	13.05	1.85	30.6	49.1	18.1	19	13.95	300
R499654		2.80	0.816	3.25	6.64	7780	1390	1.41	0.22	2.70	51.0	46.1	7.5	8	15.90	31.6
R499655		2.80	0.046	2.74	6.59	362	1660	1.58	0.26	2.31	18.15	38.0	5.3	9	15.40	13.2
R499656		2.11	0.153	10.80	7.18	1900	1240	1.49	0.27	1.81	77.5	49.5	5.3	8	17.85	42.8
R499657		<0.02	0.200	12.60	7.10	2250	1060	1.44	0.17	1.62	79.4	52.9	5.2	9	17.40	46.6
R499658		1.93	0.110	4.91	7.41	490	980	1.75	0.18	1.18	17.70	59.6	5.7	6	24.7	59.4
R499659		1.94	0.292	13.90	7.30	842	1400	1.62	0.11	0.83	17.35	55.6	6.1	8	20.0	47.2
R499660		1.34	1.215	12.05	5.94	>10000	290	1.47	0.13	0.50	56.4	31.3	5.2	7	18.50	65.2
R499661		4.54	<0.005	0.06	0.09	8.7	30	0.06	0.08	20.1	0.16	1.37	0.7	<1	0.19	1.8
R499662		1.38	0.017	1.98	6.27	124.0	990	1.48	0.13	2.22	8.97	35.0	6.1	7	21.5	25.6
R499663		3.17	<0.005	0.24	6.90	8.3	2150	1.53	0.13	2.56	0.17	46.6	5.9	11	10.85	27.1
R499664		1.97	0.137	5.02	6.79	272	900	1.49	1.87	1.81	11.45	47.7	16.4	9	14.20	58.8
R499665		3.87	<0.005	0.14	7.00	12.6	2200	1.62	0.19	2.32	0.21	48.9	7.5	10	8.00	38.7
R499666		4.59	<0.005	0.11	6.90	12.1	1800	1.40	0.46	2.02	0.14	42.5	6.6	10	8.81	4.5
R499667		7.00	0.014	0.49	6.88	16.4	1040	1.79	1.47	2.31	0.27	47.5	11.1	10	12.65	2.0
R499668		0.30	0.379	4.34	6.38	672	1010	1.39	3.15	1.92	9.59	49.5	11.0	24	13.40	309
R499669		4.01	0.062	5.37	6.23	55.7	800	1.43	3.83	2.48	1.10	403	47.0	7	8.47	5.3
R499670		3.71	0.017	1.19	6.82	22.1	1330	1.75	1.76	1.85	0.44	67.4	13.0	8	12.80	2.5
R499671		3.20	0.036	2.08	6.45	93.9	1660	1.54	0.67	2.67	5.20	48.1	7.9	8	14.70	9.2
R499672		4.66	<0.005	0.02	0.07	0.9	30	0.06	0.04	20.1	0.06	1.31	0.7	<1	0.17	1.7
R499673		5.23	<0.005	0.72	6.51	44.3	1680	1.54	0.26	2.54	1.55	36.7	6.7	10	18.95	14.9
R499674		1.27	0.082	2.01	6.22	122.0	890	1.45	0.38	2.43	5.58	35.5	6.3	8	16.00	14.9
R499675		4.11	<0.005	0.19	7.16	7.6	2100	1.55	1.41	2.78	0.22	43.9	7.2	11	11.00	20.1
R499676		4.08	0.013	0.48	6.79	29.8	1940	1.61	0.86	2.68	2.57	42.7	6.8	11	7.86	8.9

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 20-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15098463

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
R499641		3.03	14.85	0.13	1.1	0.063	2.79	21.3	9.5	0.71	808	1.27	2.21	7.7	2.7	590
R499642		3.05	15.25	0.16	1.1	0.048	2.91	23.6	19.2	0.68	916	0.80	1.32	7.7	2.3	610
R499643		3.88	14.35	0.16	1.0	0.143	3.30	31.7	14.6	0.81	3700	0.91	0.03	6.9	2.5	540
R499644		4.27	13.45	0.15	0.8	0.230	3.02	26.6	13.8	0.61	2970	1.01	0.03	6.2	2.1	510
R499645		2.58	14.40	0.14	1.0	0.044	3.28	20.3	35.1	0.68	1160	1.58	0.08	7.0	2.0	530
R499646		3.17	13.55	0.15	0.9	0.071	2.75	26.4	26.7	0.88	4570	1.23	0.03	6.4	1.9	500
R499647		2.94	14.15	0.14	0.9	0.076	3.02	23.5	45.8	0.76	1440	1.16	0.05	6.9	2.4	570
R499648		2.62	14.90	0.16	1.0	0.042	2.61	29.2	107.5	0.47	771	16.90	0.16	7.3	1.9	560
R499649		2.47	14.45	0.15	1.1	0.046	2.64	29.7	97.2	0.45	743	4.96	0.16	7.1	1.8	580
R499650		2.44	12.65	0.15	0.9	0.036	2.01	25.8	91.0	0.71	1060	2.32	0.04	5.9	2.2	440
R499651		3.18	16.00	0.16	1.3	0.042	2.88	28.0	38.6	0.56	404	2.32	0.72	8.2	2.2	630
R499652		2.80	15.00	0.15	1.1	0.045	2.84	21.4	9.4	0.64	679	2.17	1.90	7.2	2.5	570
R499653		6.71	14.50	0.15	1.0	0.792	2.94	26.5	17.9	0.76	1810	8.45	0.12	6.1	11.9	550
R499654		3.45	14.70	0.14	1.1	0.129	3.75	23.5	13.4	0.76	1790	1.39	0.07	6.8	2.1	540
R499655		3.00	15.05	0.16	1.1	0.045	3.74	18.6	36.0	0.55	1390	1.67	0.65	7.2	2.2	570
R499656		3.26	15.50	0.17	1.1	0.071	3.86	26.3	11.2	0.66	2190	6.15	0.04	7.0	2.2	550
R499657		3.53	14.90	0.16	1.0	0.066	3.71	29.2	10.5	0.64	2260	1.60	0.04	6.8	2.3	560
R499658		2.64	16.00	0.16	1.3	0.059	3.41	32.3	11.4	0.51	3110	2.21	0.02	7.7	2.2	600
R499659		3.51	15.60	0.15	1.1	0.049	3.29	31.2	14.2	0.46	7530	1.56	0.01	6.8	2.2	530
R499660		5.78	14.70	0.13	0.9	0.073	2.66	15.0	13.6	0.31	12350	1.36	0.02	6.1	1.9	420
R499661		0.51	0.27	0.09	<0.1	0.007	0.03	0.7	0.9	12.45	265	0.08	<0.01	0.2	1.6	170
R499662		2.50	14.75	0.14	1.1	0.041	3.25	16.9	48.7	0.57	1460	0.90	0.20	7.5	1.7	540
R499663		2.73	15.20	0.15	1.2	0.046	2.76	23.0	8.7	0.68	610	0.88	2.17	7.6	2.1	570
R499664		3.52	14.60	0.16	1.1	0.165	3.53	25.0	13.2	0.46	1920	0.94	0.28	7.1	1.9	520
R499665		2.75	15.10	0.13	1.2	0.051	2.70	24.5	11.2	0.73	540	0.66	2.23	7.9	2.3	580
R499666		2.83	15.60	0.14	1.3	0.054	2.64	21.8	30.6	0.59	666	1.85	1.00	8.0	2.0	580
R499667		3.23	15.85	0.15	1.3	0.080	3.20	24.8	25.2	0.64	1080	0.71	0.32	8.0	1.9	590
R499668		4.79	13.90	0.13	1.0	0.284	2.84	28.2	22.0	0.73	1770	12.80	0.14	5.6	13.7	510
R499669		3.81	14.15	0.28	1.0	0.161	3.06	247	11.0	0.91	2710	0.64	0.03	6.2	2.9	500
R499670		2.56	15.35	0.15	1.3	0.092	2.78	37.3	131.0	0.68	1440	0.79	0.02	7.4	1.9	580
R499671		3.35	14.20	0.15	1.0	0.095	3.01	26.4	33.9	0.92	2190	2.86	0.03	6.4	2.6	490
R499672		0.48	0.21	0.12	<0.1	<0.005	0.03	0.7	1.2	12.30	217	0.06	<0.01	0.1	1.3	180
R499673		2.74	15.15	0.15	1.1	0.059	3.26	17.8	35.0	0.61	1100	1.60	1.03	7.4	2.3	570
R499674		3.35	14.95	0.14	1.0	0.069	3.32	17.0	16.8	0.47	2530	1.87	0.18	6.7	2.1	560
R499675		2.95	15.50	0.14	1.1	0.049	2.68	21.4	13.2	0.74	776	2.97	2.17	7.5	2.3	600
R499676		3.01	14.75	0.16	1.3	0.058	2.71	20.9	9.9	0.65	919	0.99	1.89	7.6	2.3	570

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VANCOUVER BC V6B 1L8

Finalized Date: 20-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15098463

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
R499641		30.3	109.0	<0.002	0.09	2.74	9.7	1	1.7	350	0.65	0.05	13.1	0.258	1.32	3.8
R499642		25.3	117.5	<0.002	0.04	4.96	9.9	1	1.9	218	0.65	<0.05	13.8	0.257	1.40	3.7
R499643		166.5	204	<0.002	1.50	9.55	9.8	1	2.6	69.4	0.58	0.14	15.1	0.236	2.87	5.5
R499644		4340	188.0	<0.002	2.76	53.1	9.0	1	2.6	49.1	0.52	0.06	14.2	0.214	2.80	5.2
R499645		23.7	116.5	<0.002	0.25	10.30	8.8	1	1.9	114.0	0.57	<0.05	12.4	0.239	2.19	4.4
R499646		2580	150.0	<0.002	0.73	23.0	8.9	1	2.5	136.0	0.54	<0.05	13.5	0.214	2.72	4.7
R499647		17.7	138.0	<0.002	0.41	12.30	9.5	1	1.9	97.8	0.56	0.05	13.6	0.239	2.47	6.5
R499648		17.7	123.5	0.002	0.10	29.8	9.8	<1	2.0	124.0	0.60	<0.05	15.7	0.241	1.40	4.6
R499649		18.2	127.0	<0.002	0.11	28.5	9.5	1	1.9	113.5	0.62	<0.05	16.0	0.239	1.50	5.9
R499650		24.5	95.4	<0.002	0.21	40.1	8.4	1	1.3	130.0	0.49	<0.05	13.1	0.197	1.40	6.8
R499651		16.4	119.5	<0.002	0.03	10.50	10.6	1	1.9	160.0	0.66	<0.05	14.9	0.271	1.21	2.8
R499652		17.8	107.5	<0.002	0.04	3.24	8.9	<1	1.6	319	0.59	<0.05	11.8	0.243	1.40	3.9
R499653		1315	176.5	0.002	4.73	64.1	9.3	2	7.8	97.4	0.50	1.32	13.3	0.214	2.43	5.7
R499654		300	194.5	<0.002	1.92	36.2	9.7	1	4.6	129.0	0.56	<0.05	13.7	0.228	2.80	4.6
R499655		453	160.0	<0.002	0.56	8.18	9.0	1	2.4	206	0.61	0.07	11.0	0.239	2.51	4.2
R499656		2530	214	<0.002	1.28	21.3	10.1	1	3.0	104.5	0.58	0.07	15.3	0.234	3.24	5.3
R499657		3420	221	<0.002	1.62	25.4	10.1	1	3.1	93.9	0.56	<0.05	17.1	0.235	3.12	5.4
R499658		676	216	<0.002	1.58	19.65	11.2	<1	6.1	90.4	0.65	<0.05	17.6	0.262	3.54	5.7
R499659		621	225	<0.002	1.99	47.3	10.3	<1	3.7	85.2	0.56	<0.05	16.8	0.231	3.39	5.6
R499660		1360	156.0	<0.002	3.50	69.1	7.9	<1	4.9	86.4	0.51	<0.05	12.4	0.199	2.89	4.0
R499661		4.6	1.7	<0.002	0.01	0.19	0.2	<1	<0.2	47.2	<0.05	<0.05	0.2	<0.005	0.02	0.7
R499662		421	115.5	<0.002	0.35	10.15	8.3	<1	1.9	150.0	0.65	<0.05	10.5	0.235	2.33	4.9
R499663		20.5	105.5	<0.002	0.02	1.43	9.1	1	1.6	362	0.67	<0.05	13.1	0.245	1.18	4.2
R499664		388	189.0	<0.002	2.32	10.75	9.2	1	3.1	103.0	0.61	0.54	14.4	0.227	2.56	5.6
R499665		16.8	102.0	<0.002	0.08	2.01	9.9	1	1.7	386	0.69	<0.05	13.7	0.251	1.02	4.7
R499666		16.2	109.0	<0.002	0.16	6.53	9.9	1	2.1	274	0.69	0.19	12.5	0.250	1.45	4.9
R499667		16.4	164.5	<0.002	0.56	5.07	10.6	1	2.8	144.0	0.71	0.68	13.1	0.256	2.74	5.4
R499668		459	159.5	0.005	2.58	27.9	8.8	1	4.9	104.0	0.46	0.28	12.1	0.199	2.19	5.2
R499669		128.5	219	<0.002	2.91	7.68	8.7	1	3.3	91.0	0.53	1.88	14.0	0.194	2.63	7.0
R499670		39.8	149.0	<0.002	0.68	10.20	9.7	1	2.5	136.0	0.63	0.94	13.8	0.234	2.40	7.8
R499671		361	163.0	<0.002	1.39	12.85	8.7	1	2.1	91.1	0.55	0.27	13.9	0.207	2.67	7.1
R499672		2.0	1.5	<0.002	0.01	0.07	0.2	<1	<0.2	44.3	<0.05	<0.05	<0.2	<0.005	0.02	0.7
R499673		111.5	127.5	<0.002	0.25	10.00	8.7	<1	1.7	235	0.59	<0.05	9.5	0.246	2.01	4.2
R499674		608	144.0	<0.002	1.32	8.06	8.5	1	5.2	111.0	0.51	<0.05	9.6	0.230	2.73	3.8
R499675		25.4	100.5	<0.002	0.05	1.74	10.3	1	1.7	352	0.58	<0.05	11.7	0.256	1.18	3.7
R499676		203	102.5	<0.002	0.32	2.78	9.1	<1	1.8	289	0.72	0.10	11.9	0.242	1.25	4.7

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CERTIFICATE OF ANALYSIS WH15098463

Sample Description	Method / Analyte / Units / LOR	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	As-OG62 As % 0.001
R499641		68	2.7	15.1	89	31.3	
R499642		68	4.1	14.8	55	31.8	
R499643		61	4.4	14.2	291	26.7	
R499644		57	6.5	11.8	9900	24.4	
R499645		63	2.9	13.5	66	27.7	
R499646		57	4.2	14.1	4050	27.1	
R499647		64	4.4	13.6	67	27.4	
R499648		64	12.4	15.2	55	29.9	
R499649		64	11.8	14.2	55	31.0	
R499650		56	4.2	14.2	61	26.7	
R499651		72	3.0	15.4	42	35.9	
R499652		64	1.9	14.0	45	32.4	
R499653		63	5.6	11.5	2280	29.5	
R499654		64	3.8	13.5	3150	32.8	
R499655		64	3.3	12.2	1090	31.7	
R499656		65	4.0	11.6	4200	32.0	
R499657		64	4.0	13.0	4540	31.7	
R499658		71	5.9	12.0	1190	34.5	
R499659		63	6.1	9.8	1400	30.7	
R499660		53	4.9	6.3	3270	27.0	1.445
R499661		2	0.1	0.7	28	0.5	
R499662		62	2.4	11.4	587	31.8	
R499663		64	0.9	15.1	46	32.5	
R499664		60	3.3	11.7	996	30.0	
R499665		64	1.0	16.3	47	32.4	
R499666		68	2.9	13.5	48	35.3	
R499667		72	2.5	12.3	59	36.0	
R499668		62	5.0	11.0	788	29.4	
R499669		56	4.4	16.2	107	26.8	
R499670		61	2.8	13.8	56	35.3	
R499671		57	3.2	13.0	579	28.8	
R499672		2	0.1	0.6	16	<0.5	
R499673		64	2.1	12.4	192	31.0	
R499674		63	3.3	10.7	641	29.7	
R499675		70	1.5	15.6	53	32.4	
R499676		64	1.8	14.8	326	35.8	

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: KLAZA

Finalized Date: 20-JUL-2015
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH15098463

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

As-OG62	Au-AA24	ME-MS61	ME-OG62

ALS Canada Ltd.

2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
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C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 24-JUL-2015
Account: ROCKHA

CERTIFICATE WH15100414

Project: Klaza

P.O. No.: Batch 40

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 8-JUL-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21d	Sample logging - ClientBarCode Dup
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
BAG-06	Double Bagging Coarse Rejects
SPL-21d	Split sample - duplicate
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31d	Pulverize Split - duplicate

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
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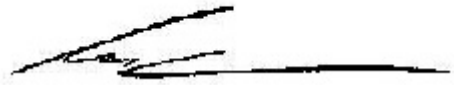
This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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Finalized Date: 24-JUL-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15100414

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-AA24 Au ppm 0.005	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05	ME-MS61 Cu ppm 0.2
R610021		1.63	0.076	6.19	6.87	734	1050	1.47	0.12	3.84	25.8	44.0	7.8	9	15.70	37.1
R610022		3.15	0.035	2.25	7.49	372	1660	1.82	0.18	2.41	18.25	53.2	8.8	11	23.8	26.7
R610023		0.29	1.775	38.6	5.68	2460	1390	1.23	36.4	1.58	44.4	38.0	15.7	22	10.00	1120
R610024		2.81	0.105	4.54	7.24	860	1240	1.67	0.27	3.41	69.1	49.7	9.5	10	19.25	62.6
R610025		6.62	<0.005	0.31	7.72	29.2	2090	1.68	0.17	3.03	0.87	40.6	8.9	13	18.15	13.3
R610026		3.07	0.007	1.06	7.98	112.5	2020	1.79	0.14	2.77	3.58	46.8	9.1	11	25.1	23.2
R610027		2.44	<0.005	0.48	7.54	84.3	730	1.92	0.10	2.34	1.07	46.4	9.0	10	28.1	16.5
R610028		3.25	0.006	0.39	7.49	99.0	1430	1.46	0.10	2.98	0.81	46.0	8.3	9	19.95	18.4
R610029		6.19	<0.005	0.08	7.89	3.1	2370	1.59	0.11	3.14	0.11	41.9	8.9	12	11.55	10.3
R610030		2.22	<0.005	0.09	7.83	3.3	2340	1.63	0.10	3.07	0.09	45.2	9.2	12	11.75	14.1
R610031		6.97	<0.005	0.09	7.96	2.2	2410	1.69	0.14	3.11	0.10	45.6	9.4	13	8.95	10.0
R610032		4.19	<0.005	0.13	7.23	25.6	2050	1.40	0.12	2.96	0.18	37.4	8.1	10	20.2	11.3
R610033		7.25	<0.005	0.16	8.14	8.7	2400	1.63	0.84	2.73	0.12	48.3	8.8	11	14.00	10.8
R610034		<0.02	<0.005	0.11	8.10	8.4	2390	1.56	0.18	2.75	0.11	44.1	8.8	11	14.30	11.7
R610035		3.64	<0.005	0.11	7.84	7.5	2720	1.34	0.17	1.84	0.27	43.3	9.1	9	26.0	10.0
R610036		1.23	0.201	1.99	5.77	1470	1040	1.34	0.63	2.32	3.68	38.7	9.1	8	12.70	14.5
R610037		4.40	<0.005	0.02	0.11	0.3	40	0.07	0.07	22.8	0.07	1.45	0.9	<1	0.42	3.0
R610038		1.47	<0.005	0.22	9.12	11.8	2400	1.69	0.44	1.50	0.14	53.4	8.6	10	28.6	28.1
R610039		4.29	<0.005	0.10	9.18	5.9	2800	1.30	0.14	0.82	0.07	54.9	8.3	10	13.15	12.7
R610040		2.13	<0.005	0.13	7.27	8.6	1460	1.44	0.16	6.11	0.21	51.8	8.8	7	13.65	8.2
R610041		2.82	<0.005	0.10	7.60	4.7	1690	1.56	0.12	4.64	0.10	46.9	7.6	9	20.1	12.5
R610042		7.73	<0.005	0.36	7.91	22.3	2320	1.56	0.14	3.14	2.73	44.8	9.2	12	13.10	15.4
R610043		2.43	0.007	0.32	7.45	84.1	2230	1.41	0.15	3.75	0.41	37.6	8.2	8	14.80	14.8
R610044		5.21	<0.005	0.22	7.93	24.0	2170	1.36	0.16	2.00	0.13	38.1	8.6	11	13.45	11.1
R610045		11.52	<0.005	0.15	7.82	4.4	2380	1.62	0.52	2.96	0.10	44.2	9.6	14	10.40	11.8
R610046		2.90	0.254	1.02	6.97	81.9	1370	1.44	1.09	3.71	1.01	46.1	10.2	9	15.05	32.9
R610751		5.37	0.025	0.42	8.06	12.3	2350	1.65	0.96	2.66	0.10	53.1	12.3	12	13.05	72.4
R610752		5.77	0.014	0.26	8.04	10.4	2410	1.80	0.54	2.70	0.14	45.9	6.8	14	10.20	44.1
R610753		6.10	0.776	0.58	8.18	48.2	1690	1.66	2.70	2.36	0.28	51.2	16.5	12	9.21	104.0
R610754		6.51	1.060	0.81	8.06	59.6	1840	1.58	5.34	3.13	0.27	49.5	9.2	11	13.15	84.8
R610755		4.55	<0.005	0.01	0.06	<0.2	20	0.06	0.04	22.3	0.06	1.07	0.9	<1	0.19	1.6
R610756		6.36	0.097	0.51	8.18	32.6	2140	1.72	1.62	2.57	0.17	51.2	8.2	14	7.75	63.0
R610757		6.51	0.017	0.23	8.15	8.0	2560	1.73	0.35	2.95	0.11	49.2	7.7	15	8.28	18.2
R610758		0.29	0.352	4.81	7.03	753	800	1.38	3.39	2.09	9.86	46.2	12.9	23	13.35	329
R610759		7.34	0.013	0.28	7.91	8.9	2310	1.66	0.52	2.91	0.28	51.1	7.3	14	7.61	17.7
R610760		2.17	0.007	0.38	7.85	21.9	1890	1.71	0.73	2.90	0.36	45.0	8.8	13	17.25	11.6

***** See Appendix Page for comments regarding this certificate *****

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VANCOUVER BC V6B 1L8

Finalized Date: 24-JUL-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15100414

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
R610021		4.08	14.65	0.14	1.0	0.221	3.25	23.4	33.1	1.21	7210	0.95	0.12	6.6	3.4	540
R610022		3.74	16.95	0.19	1.1	0.204	3.32	27.7	34.7	0.88	3430	0.72	0.31	8.0	3.0	630
R610023		9.00	14.15	0.13	0.9	1.570	2.55	19.2	16.3	0.66	2230	16.20	0.06	4.8	14.7	430
R610024		4.05	16.25	0.15	1.1	0.485	3.25	26.6	21.0	1.17	6420	1.14	0.05	7.5	2.9	620
R610025		3.34	18.25	0.17	1.2	0.047	2.89	20.6	22.2	0.89	1520	0.71	1.85	8.4	2.9	700
R610026		4.11	19.05	0.20	1.2	0.126	3.27	24.7	48.3	0.85	5200	0.93	0.98	8.4	3.0	720
R610027		3.08	17.65	0.15	1.4	0.044	3.03	24.9	114.0	0.86	2110	0.71	0.06	8.3	2.8	670
R610028		3.46	16.90	0.17	1.4	0.088	2.88	25.1	68.0	0.98	2350	1.12	0.14	7.8	2.7	670
R610029		3.35	17.95	0.18	1.3	0.042	2.73	21.3	13.0	0.90	790	1.15	2.35	8.2	2.9	730
R610030		3.44	17.65	0.18	1.3	0.036	2.74	23.1	13.8	0.92	798	0.99	2.28	8.3	3.2	700
R610031		3.41	18.25	0.16	1.3	0.046	2.65	23.7	17.9	1.00	745	0.98	2.44	8.6	3.0	710
R610032		3.14	16.70	0.16	1.2	0.043	2.77	19.4	64.4	0.92	1040	0.70	0.37	7.9	2.6	650
R610033		3.43	18.30	0.20	1.3	0.043	2.83	25.9	23.2	0.88	836	0.63	1.88	8.6	2.8	720
R610034		3.40	18.55	0.20	1.4	0.041	2.86	23.5	23.6	0.85	822	0.66	1.88	8.5	3.0	690
R610035		3.36	18.45	0.18	1.4	0.041	2.66	22.9	55.1	0.60	1080	0.73	0.11	8.6	2.7	680
R610036		5.35	14.05	0.15	1.0	0.395	2.47	22.8	33.8	0.88	9030	0.66	0.04	5.8	2.8	450
R610037		0.57	0.36	0.09	<0.1	0.006	0.04	0.8	1.5	14.05	252	0.21	0.01	0.2	1.8	500
R610038		3.41	21.0	0.21	1.3	0.060	3.25	29.2	56.2	0.79	514	0.52	0.46	9.5	2.7	830
R610039		2.90	21.1	0.22	1.4	0.045	2.96	30.9	42.2	0.55	302	0.59	0.12	9.2	2.7	780
R610040		2.71	16.95	0.19	1.2	0.056	2.62	30.2	33.3	1.30	2010	0.44	0.05	7.6	2.5	630
R610041		3.15	17.55	0.18	1.2	0.042	2.46	26.0	34.8	0.89	904	0.77	0.20	8.0	2.5	680
R610042		3.59	18.50	0.19	1.2	0.051	2.97	22.9	15.2	0.96	1700	0.57	1.91	8.1	3.2	720
R610043		3.46	17.00	0.21	1.1	0.072	3.11	20.1	29.4	0.97	3080	0.65	0.32	7.1	2.5	650
R610044		3.29	19.25	0.18	1.3	0.055	3.07	19.1	33.1	0.54	1390	0.64	0.24	8.5	2.7	720
R610045		3.57	18.20	0.17	1.1	0.047	2.71	22.3	15.4	1.00	886	0.63	2.33	8.6	3.4	740
R610046		4.44	16.25	0.20	1.1	0.127	3.09	26.5	26.4	1.21	2880	0.86	0.04	7.0	2.8	580
R610751		3.28	17.85	0.19	1.1	0.105	2.70	29.6	17.5	0.78	472	17.30	2.17	8.4	2.9	680
R610752		3.15	19.05	0.21	1.2	0.082	2.49	24.7	17.6	0.84	468	5.32	2.57	8.8	2.9	700
R610753		4.20	18.45	0.21	1.0	0.087	2.80	30.4	16.4	0.77	467	2.24	1.55	7.5	2.9	680
R610754		3.80	18.75	0.20	1.1	0.095	3.02	28.1	25.2	0.71	545	1.08	0.75	7.9	2.7	700
R610755		0.53	0.24	0.11	<0.1	0.005	0.02	0.6	1.0	13.30	239	0.16	0.01	0.1	1.7	180
R610756		4.03	19.10	0.22	1.0	0.112	2.98	29.1	12.2	0.89	511	1.28	1.60	8.4	3.4	700
R610757		3.40	19.20	0.22	1.1	0.093	2.77	26.4	13.2	0.98	606	1.35	2.46	9.0	3.4	730
R610758		5.20	16.85	0.19	1.2	0.324	3.08	27.3	26.3	0.81	1920	13.35	0.16	6.2	15.0	540
R610759		3.32	17.90	0.20	1.0	0.113	2.76	27.2	13.4	0.93	629	1.17	2.27	8.4	3.2	700
R610760		3.50	17.95	0.20	0.9	0.119	2.83	23.5	27.4	0.86	1060	1.89	1.17	8.0	2.9	710

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Project: Klaza

CERTIFICATE OF ANALYSIS WH15100414

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
R610021		989	204	<0.002	1.52	33.0	10.6	1	2.3	152.5	0.54	<0.05	10.6	0.248	2.77	6.0
R610022		251	179.0	<0.002	1.04	20.7	13.2	1	2.0	204	0.61	<0.05	12.3	0.279	2.55	3.7
R610023		1590	141.5	<0.002	7.75	111.0	8.6	1	10.7	63.5	0.39	0.68	8.6	0.169	2.22	5.3
R610024		588	199.0	<0.002	1.54	36.0	12.1	1	2.5	153.0	0.59	<0.05	11.6	0.266	2.87	4.8
R610025		52.4	94.6	<0.002	0.06	4.74	11.9	1	1.9	397	0.65	<0.05	12.4	0.302	1.52	3.7
R610026		201	147.5	<0.002	0.43	11.20	12.7	1	2.5	288	0.65	<0.05	13.6	0.299	2.16	4.1
R610027		72.2	127.5	<0.002	0.24	21.6	11.9	1	1.8	204	0.76	<0.05	13.3	0.274	2.18	5.7
R610028		25.4	132.0	<0.002	0.31	22.1	11.6	1	2.0	196.5	0.65	<0.05	13.5	0.275	2.01	6.3
R610029		17.6	91.8	<0.002	0.01	2.09	11.8	1	1.7	437	0.65	<0.05	12.1	0.296	1.20	4.2
R610030		17.1	93.8	<0.002	0.01	1.87	12.3	1	2.2	432	0.67	<0.05	12.5	0.299	1.16	4.2
R610031		16.7	91.9	<0.002	0.01	1.17	12.7	1	1.7	449	0.65	<0.05	13.3	0.300	1.03	4.4
R610032		16.3	87.8	<0.002	0.09	14.70	11.1	1	1.6	219	0.60	<0.05	11.1	0.282	1.56	3.4
R610033		19.9	98.5	<0.002	0.02	5.91	12.2	1	1.8	391	0.69	<0.05	13.9	0.301	1.34	3.9
R610034		18.7	95.2	<0.002	0.02	6.10	12.2	1	1.8	395	0.68	<0.05	13.7	0.297	1.31	4.0
R610035		14.4	89.2	<0.002	0.05	25.0	12.3	1	1.8	147.5	0.76	<0.05	13.2	0.285	1.41	4.0
R610036		403	136.5	<0.002	1.47	39.5	8.8	1	2.6	104.5	0.52	<0.05	10.9	0.201	2.04	6.1
R610037		2.1	1.9	<0.002	0.02	0.23	0.2	<1	<0.2	50.5	<0.05	<0.05	0.2	<0.005	0.02	0.7
R610038		17.7	139.5	<0.002	0.06	14.85	14.8	1	2.3	239	0.74	<0.05	15.7	0.339	1.82	3.5
R610039		17.5	126.5	<0.002	0.03	21.0	13.0	1	2.2	145.5	0.75	<0.05	16.2	0.328	1.28	3.1
R610040		20.6	126.5	<0.002	0.09	19.20	12.7	1	2.0	205	0.65	<0.05	13.4	0.262	1.59	3.4
R610041		15.9	90.7	<0.002	0.02	9.97	12.1	1	1.9	314	0.67	<0.05	13.9	0.282	1.17	3.6
R610042		108.0	113.5	<0.002	0.18	7.68	12.7	1	1.9	409	0.60	<0.05	12.0	0.298	1.57	3.6
R610043		28.6	131.0	<0.002	0.26	9.95	10.6	1	1.7	248	0.53	<0.05	10.2	0.268	2.38	3.5
R610044		20.4	111.5	<0.002	0.19	14.35	12.2	1	2.0	154.5	0.67	<0.05	12.2	0.305	1.75	2.8
R610045		18.1	87.2	<0.002	0.01	3.74	12.8	1	2.0	433	0.63	<0.05	12.1	0.310	1.23	3.6
R610046		88.6	188.0	<0.002	1.16	22.3	11.5	1	2.4	146.0	0.56	0.06	13.5	0.247	2.98	4.4
R610751		15.8	94.3	<0.002	0.36	7.55	11.7	1	3.3	401	0.63	0.09	14.6	0.276	1.33	4.3
R610752		16.1	90.2	<0.002	0.23	1.58	11.8	1	3.4	449	0.62	0.06	13.9	0.290	1.35	4.3
R610753		19.9	140.5	<0.002	1.66	2.76	11.8	1	6.4	299	0.56	0.26	15.4	0.263	1.71	5.0
R610754		24.6	141.0	<0.002	1.47	15.90	12.1	1	6.3	222	0.57	0.61	14.0	0.268	1.73	4.6
R610755		1.2	1.2	<0.002	<0.01	0.05	0.2	<1	<0.2	50.0	<0.05	<0.05	<0.2	<0.005	<0.02	0.6
R610756		19.1	138.5	<0.002	1.02	7.77	12.7	1	5.6	319	0.67	0.13	14.8	0.274	1.70	4.7
R610757		16.1	99.6	<0.002	0.17	1.50	13.2	1	2.3	448	0.68	<0.05	14.0	0.297	1.26	4.4
R610758		506	160.5	0.003	2.78	30.4	9.8	2	5.8	112.0	0.49	0.33	12.0	0.213	2.66	5.1
R610759		29.0	99.1	<0.002	0.21	1.43	12.3	1	2.4	405	0.64	<0.05	14.6	0.287	1.28	4.4
R610760		28.8	96.3	<0.002	0.47	5.11	11.4	1	2.6	280	0.57	0.20	10.9	0.288	1.97	3.2

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 24-JUL-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15100414

Sample Description	Method / Analyte / Units / LOR	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
R610021		69	5.0	15.1	2190	23.3
R610022		82	3.0	16.8	1660	25.6
R610023		56	7.8	9.6	3300	22.7
R610024		78	4.6	16.4	6450	25.8
R610025		90	1.7	16.6	130	31.8
R610026		89	2.2	17.0	376	30.9
R610027		84	1.9	17.2	134	33.1
R610028		84	3.8	17.1	172	33.7
R610029		88	1.8	17.0	63	32.8
R610030		88	1.9	17.8	63	32.1
R610031		88	2.2	18.7	62	33.1
R610032		82	3.4	15.7	70	29.4
R610033		90	2.1	18.1	65	33.1
R610034		87	2.1	17.6	64	35.9
R610035		89	5.3	17.8	85	34.1
R610036		62	3.9	14.2	327	24.9
R610037		3	0.1	1.1	20	<0.5
R610038		100	3.3	16.3	67	30.8
R610039		90	10.4	15.4	54	35.3
R610040		84	2.4	26.0	80	28.7
R610041		85	2.8	21.5	58	29.3
R610042		89	1.4	16.5	286	29.6
R610043		80	5.1	16.0	86	27.1
R610044		89	6.6	15.9	67	33.2
R610045		95	2.9	18.0	75	29.0
R610046		77	4.8	15.8	123	28.0
R610751		78	2.9	19.5	36	29.9
R610752		80	2.0	16.8	43	29.8
R610753		79	2.6	16.6	50	25.8
R610754		80	4.1	17.3	54	30.5
R610755		2	0.1	0.8	20	<0.5
R610756		80	2.4	17.5	49	25.9
R610757		85	1.4	20.1	47	28.2
R610758		69	5.9	12.4	905	32.6
R610759		83	1.3	19.2	59	27.1
R610760		82	1.7	15.6	68	22.1

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: Klaza

Finalized Date: 24-JUL-2015
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH15100414

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

Applies to Method:				
	BAG-06	CRU-31	CRU-QC	LOG-21
	LOG-21d	LOG-23	PUL-31	PUL-31d
	PUL-QC	SPL-21	SPL-21d	WEI-21

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:		
	Au-AA24	ME-MS61

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Finalized Date: 24-JUL-2015
Account: ROCKHA

CERTIFICATE WH15100419

Project: KLAZA

P.O. No.: BATCH 41

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 8-JUL-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21d	Sample logging - ClientBarCode Dup
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
BAG-06	Double Bagging Coarse Rejects
SPL-21d	Split sample - duplicate
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31d	Pulverize Split - duplicate

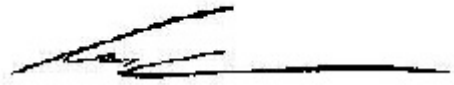
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Pb-OG62	Ore Grade Pb - Four Acid	VARIABLE
Zn-OG62	Ore Grade Zn - Four Acid	VARIABLE
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	
Ag-OG62	Ore Grade Ag - Four Acid	VARIABLE
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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Finalized Date: 24-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15100419

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
R499677		2.00	<0.005	0.92	7.52	21.9	2180	1.53	0.35	2.54	3.45	51.4	7.5	16	9.98	11.5
R499678		1.29	4.12	49.0	5.96	679	190	1.35	7.20	1.74	236	38.9	4.3	11	9.73	598
R499679		1.98	<0.005	0.40	6.88	34.8	1990	1.64	0.32	2.73	0.69	39.4	5.5	12	13.35	6.3
R499680		2.07	<0.005	0.15	7.56	6.6	2340	1.74	0.53	2.50	0.19	52.9	8.8	13	8.68	17.6
R499681		1.31	0.254	>100	7.18	783	1380	1.73	1.74	2.70	8.37	48.3	5.9	13	16.40	249
R499682		5.42	<0.005	0.72	0.10	2.3	40	0.06	0.03	21.2	0.11	1.48	0.7	<1	0.35	3.8
R499683		2.25	<0.005	0.53	7.78	12.5	2280	1.50	0.21	2.68	0.14	51.6	6.3	10	11.40	18.7
R499684		5.70	<0.005	0.09	7.80	7.4	2430	1.51	0.15	2.72	0.14	52.1	6.7	11	7.90	12.4
R499685		12.70	<0.005	0.27	7.36	6.9	2280	1.42	0.23	2.41	0.73	47.7	6.4	16	8.33	16.0
R499686		5.02	<0.005	0.60	7.42	6.4	2310	1.55	0.49	2.44	2.34	45.5	6.9	12	8.76	24.7
R499687		6.05	<0.005	0.11	7.79	5.8	2380	1.59	0.24	2.43	0.17	47.3	5.5	13	9.56	11.7
R499688		1.20	1.850	10.90	7.33	219	520	1.52	4.31	1.29	22.7	49.9	8.2	10	14.30	185.5
R499689		1.91	0.006	0.15	7.52	8.6	2060	1.59	0.23	1.88	0.15	42.5	4.9	12	10.70	8.7
R499690		8.88	<0.005	0.18	7.56	6.1	2270	1.64	0.22	2.59	0.16	49.6	5.7	10	8.75	7.4
R499691		2.55	<0.005	0.21	7.49	7.3	2270	1.44	0.35	2.66	0.22	49.0	4.7	11	11.95	11.2
R499692		0.32	0.843	11.50	6.57	1555	530	1.35	12.70	1.83	31.8	46.2	17.4	18	13.80	284
R499693		1.78	0.734	31.0	6.66	2620	330	1.35	1.87	1.50	30.0	46.5	12.8	9	14.25	110.5
R499694		2.19	0.152	3.30	6.82	425	1400	1.46	0.20	2.58	4.92	47.2	5.8	9	17.20	25.9
R499695		3.68	0.016	1.03	7.50	41.1	990	1.54	0.22	2.18	0.64	51.6	6.7	10	22.8	22.0
R499696		5.40	0.187	3.00	6.72	101.5	870	1.55	0.19	2.22	5.18	44.0	5.8	8	23.1	23.1
R499697		<0.02	0.119	3.59	6.99	107.5	1000	1.64	0.23	2.22	6.89	46.4	5.9	8	25.6	25.2
R499698		6.64	0.073	0.53	7.36	45.1	1480	1.55	0.16	2.09	2.27	40.5	6.7	10	22.7	24.4
R499699		2.82	0.116	2.79	7.63	76.8	1600	1.59	1.52	2.58	4.70	47.1	7.1	11	16.80	31.5
R499700		2.39	<0.005	0.16	8.22	8.2	1410	1.22	0.24	0.71	0.25	54.5	5.8	10	10.05	18.2
R499701		1.15	0.540	66.9	5.55	258	340	1.25	2.57	2.82	10.80	41.1	11.0	7	17.50	91.3
R499702		1.95	<0.005	0.30	7.80	7.7	2210	1.51	0.25	2.22	0.19	49.1	6.6	10	20.5	15.8
R499703		2.04	<0.005	1.13	7.18	7.0	2140	1.68	0.69	2.56	1.01	52.6	11.4	11	12.05	4.9
R499704		2.27	0.020	2.74	6.97	181.0	1840	1.70	0.46	2.30	6.39	47.6	8.6	9	13.80	14.5
R499705		0.32	1.585	39.3	5.66	2450	1170	1.31	36.1	1.59	46.7	37.9	17.1	22	10.30	1160
R499706		1.49	0.557	85.4	5.88	1685	1660	1.33	7.47	2.23	155.0	40.3	6.1	7	8.95	193.5
R499707		1.50	0.037	1.77	6.44	234	1420	1.56	0.71	2.71	2.17	48.6	15.6	9	9.56	8.1
R499708		5.05	<0.005	0.19	0.07	2.7	50	0.06	0.04	20.3	0.32	1.26	0.9	<1	0.19	2.9
R499709		6.46	<0.005	0.60	6.85	17.2	2060	1.62	0.38	2.05	0.50	41.3	7.1	10	15.90	5.7
R499710		4.23	0.032	0.62	6.95	22.4	1780	1.45	0.43	2.28	1.38	47.7	6.0	9	19.95	6.5
R499711		2.40	0.018	1.38	7.14	37.0	1460	1.53	1.46	2.23	2.52	44.5	23.2	11	14.25	3.7
R499712		5.10	<0.005	0.11	7.04	33.3	1560	1.75	0.16	2.61	0.68	66.5	6.2	24	12.90	10.1

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VANCOUVER BC V6B 1L8

Finalized Date: 24-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15100419

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
R499677		3.04	16.75	0.14	1.3	0.076	3.08	25.9	8.9	0.71	1620	1.22	1.68	8.2	3.7	580
R499678		5.01	13.85	0.12	1.1	2.03	2.93	20.3	7.3	0.53	3220	0.85	0.03	6.3	2.3	440
R499679		2.70	15.80	0.16	1.4	0.057	2.96	19.2	19.1	0.56	874	0.97	1.34	8.3	2.8	560
R499680		3.10	16.50	0.15	1.3	0.051	2.69	26.7	15.5	0.83	713	0.80	2.38	8.6	3.2	640
R499681		3.56	15.75	0.16	1.3	0.121	3.39	25.4	17.7	0.73	2750	1.09	0.30	7.5	2.5	560
R499682		0.53	0.29	0.08	<0.1	0.006	0.05	0.7	1.1	13.10	251	0.30	0.01	0.3	1.6	230
R499683		3.20	16.45	0.15	1.4	0.061	2.95	26.4	17.7	0.85	939	0.74	1.98	8.6	2.6	630
R499684		3.00	17.05	0.13	1.5	0.046	2.78	27.0	12.9	1.09	642	0.79	2.56	8.7	2.5	630
R499685		2.87	15.95	0.14	1.3	0.042	2.68	24.4	12.6	0.81	714	0.68	2.31	8.2	2.6	580
R499686		2.88	16.90	0.14	1.4	0.052	2.77	22.1	14.1	0.80	706	0.70	2.32	8.4	2.6	580
R499687		3.03	17.15	0.14	1.4	0.050	2.89	24.0	13.0	0.77	620	0.91	2.43	8.7	2.7	600
R499688		4.68	15.55	0.14	1.3	0.142	3.40	27.7	12.6	0.64	1960	4.86	0.08	7.3	2.6	560
R499689		2.93	16.65	0.14	1.4	0.063	3.03	21.0	16.8	0.48	962	1.07	1.48	8.0	2.6	560
R499690		3.14	16.50	0.15	1.4	0.068	2.73	25.1	16.5	0.80	672	0.91	2.37	8.3	2.5	630
R499691		2.84	15.90	0.14	1.4	0.051	2.95	24.1	16.9	0.62	793	0.65	1.65	8.1	2.2	590
R499692		6.52	15.15	0.15	1.1	0.763	2.82	24.6	19.1	0.75	1810	9.21	0.12	6.4	12.0	530
R499693		4.79	14.65	0.14	1.3	0.202	3.08	25.5	15.3	0.57	2770	0.51	0.03	6.9	2.4	470
R499694		3.27	14.75	0.13	1.2	0.094	3.04	25.8	16.8	0.87	4110	3.53	0.02	6.8	2.8	530
R499695		2.76	15.90	0.16	1.3	0.050	3.13	28.2	18.5	0.79	2620	4.08	0.02	7.6	2.6	620
R499696		2.84	14.65	0.13	1.1	0.062	2.41	23.3	177.0	0.72	2690	1.12	0.02	7.2	2.1	540
R499697		2.85	15.75	0.12	1.1	0.070	2.49	25.2	182.5	0.72	2730	1.25	0.02	7.4	2.1	540
R499698		2.95	16.95	0.15	1.0	0.061	2.96	20.2	188.5	0.69	2480	0.81	0.10	7.7	2.4	610
R499699		3.46	16.95	0.14	1.1	0.058	3.00	23.1	29.8	0.67	2120	0.76	1.02	8.1	2.6	630
R499700		2.21	16.80	0.14	1.3	0.046	2.02	29.1	63.2	0.30	798	0.92	0.06	9.0	2.6	660
R499701		4.71	12.60	0.13	0.9	0.160	2.19	21.7	55.2	0.90	8130	2.73	0.11	6.2	3.2	470
R499702		3.03	17.25	0.14	1.3	0.045	2.84	25.0	45.9	0.61	619	1.04	1.46	8.4	2.4	610
R499703		3.49	16.05	0.16	1.1	0.064	2.98	27.6	9.4	0.67	899	0.53	1.58	8.0	2.6	580
R499704		3.45	16.30	0.17	1.1	0.131	3.22	24.2	17.3	0.64	2440	0.72	0.57	7.9	2.5	560
R499705		9.00	13.90	0.15	0.8	1.565	2.55	19.2	17.2	0.66	2260	17.95	0.06	4.8	14.8	440
R499706		4.44	13.15	0.13	0.9	3.23	2.78	21.6	8.7	0.58	3010	0.77	0.02	5.8	2.0	450
R499707		4.00	14.55	0.16	0.9	0.195	3.20	27.9	8.1	0.82	3440	0.73	0.03	6.8	2.6	540
R499708		0.48	0.23	0.08	<0.1	0.008	0.03	0.6	1.1	12.70	220	0.17	<0.01	0.1	1.6	160
R499709		3.18	15.95	0.15	1.0	0.058	2.99	20.4	30.9	0.65	974	0.69	0.58	8.0	2.6	580
R499710		2.73	15.70	0.16	1.1	0.058	2.69	24.9	53.4	0.86	540	0.80	0.69	8.0	2.3	580
R499711		4.10	15.20	0.15	0.9	0.084	2.93	25.1	19.0	0.99	931	2.83	0.13	6.2	3.2	620
R499712		2.67	17.60	0.14	4.1	0.031	0.99	33.7	375	0.91	671	0.77	0.02	11.0	6.3	1280

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

2103 Dollarton Hwy
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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 24-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15100419

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
R499677		220	130.5	<0.002	0.27	3.92	9.8	1	2.1	282	0.65	0.09	13.5	0.255	1.74	4.0
R499678		>10000	167.5	<0.002	5.08	56.8	7.7	1	7.2	37.1	0.57	0.29	10.6	0.191	2.95	3.7
R499679		46.3	111.0	<0.002	0.22	4.31	8.9	<1	1.8	246	0.76	0.12	11.3	0.241	1.79	4.0
R499680		22.1	104.0	<0.002	0.11	2.35	11.0	1	1.9	387	0.67	<0.05	13.2	0.265	1.11	3.8
R499681		6870	189.0	<0.002	1.80	188.5	9.9	<1	2.5	109.5	0.64	0.05	12.8	0.231	2.68	4.5
R499682		29.0	2.7	<0.002	0.01	0.90	0.2	<1	<0.2	49.0	<0.05	<0.05	0.2	<0.005	0.02	0.7
R499683		30.5	123.0	<0.002	0.08	5.46	10.7	1	1.9	330	0.72	<0.05	13.7	0.268	1.43	4.2
R499684		19.7	106.0	<0.002	0.02	1.28	10.5	1	1.8	429	0.75	<0.05	14.4	0.258	1.15	4.8
R499685		56.0	103.5	<0.002	0.05	1.95	9.6	1	1.7	365	0.67	<0.05	13.1	0.247	1.06	4.1
R499686		161.0	104.0	<0.002	0.06	1.98	9.8	1	2.0	364	0.73	<0.05	12.8	0.248	1.20	4.1
R499687		32.2	112.0	<0.002	0.03	1.93	9.9	1	1.7	370	0.74	<0.05	13.8	0.257	1.13	4.5
R499688		3150	180.0	<0.002	2.88	57.9	9.6	1	4.7	48.9	0.63	0.45	13.7	0.224	2.90	5.5
R499689		21.7	122.0	<0.002	0.06	6.37	9.6	1	2.0	205	0.74	<0.05	12.3	0.244	1.42	3.4
R499690		24.2	113.0	<0.002	0.06	2.71	10.7	1	1.8	346	0.66	0.06	13.5	0.263	1.23	4.3
R499691		23.9	115.5	<0.002	0.06	4.24	9.5	1	1.6	306	0.68	0.16	13.7	0.247	1.38	4.2
R499692		1300	163.0	<0.002	4.66	64.6	8.9	2	7.9	95.3	0.56	1.01	11.8	0.205	2.58	5.1
R499693		3430	204	<0.002	3.56	77.3	8.6	1	4.4	59.7	0.61	0.21	13.2	0.209	3.07	4.3
R499694		249	200	<0.002	1.32	24.9	9.3	1	2.9	104.5	0.59	<0.05	12.8	0.215	3.00	8.5
R499695		54.4	174.5	<0.002	0.35	27.6	9.8	<1	1.9	142.5	0.63	<0.05	14.0	0.243	3.22	11.9
R499696		285	120.0	<0.002	0.52	32.0	8.9	1	1.7	154.5	0.57	<0.05	11.6	0.229	2.05	4.6
R499697		311	126.0	<0.002	0.55	32.8	9.0	<1	1.8	165.5	0.58	<0.05	12.5	0.232	2.22	5.1
R499698		65.7	118.5	<0.002	0.19	19.40	10.1	1	1.7	162.5	0.58	<0.05	10.4	0.256	2.00	3.4
R499699		482	127.0	<0.002	0.76	9.90	10.5	<1	2.4	244	0.61	0.61	11.7	0.264	2.02	3.5
R499700		12.8	86.5	<0.002	0.06	36.7	10.5	<1	2.0	77.9	0.75	<0.05	15.8	0.272	0.82	2.6
R499701		3270	112.0	<0.002	1.47	102.0	8.0	<1	2.2	115.0	0.51	<0.05	9.7	0.190	1.79	3.9
R499702		22.7	107.5	<0.002	0.04	7.67	10.2	1	1.9	281	0.72	<0.05	13.8	0.258	1.26	3.6
R499703		124.5	128.5	<0.002	0.52	3.11	10.8	1	2.1	294	0.65	0.28	14.2	0.251	1.73	4.4
R499704		279	142.5	<0.002	0.91	8.20	11.4	1	2.6	162.0	0.61	0.13	11.9	0.246	2.36	4.0
R499705		1580	140.5	0.003	7.72	105.0	8.6	2	10.6	63.8	0.39	0.81	9.5	0.165	2.26	5.5
R499706		>10000	151.5	<0.002	4.54	89.4	8.4	1	4.4	76.1	0.46	0.15	10.0	0.187	2.62	3.0
R499707		141.0	175.0	<0.002	1.46	8.11	10.2	1	2.9	83.9	0.55	0.29	11.5	0.214	2.98	4.3
R499708		33.3	1.7	<0.002	0.01	0.22	0.2	<1	<0.2	50.3	<0.05	<0.05	<0.2	<0.005	0.02	0.6
R499709		48.3	118.0	<0.002	0.32	7.72	10.6	1	2.1	214	0.61	0.11	11.4	0.247	1.96	3.6
R499710		93.3	114.0	<0.002	0.39	9.04	10.8	1	2.2	230	0.65	0.11	12.9	0.247	1.59	3.8
R499711		147.5	166.0	0.002	2.07	6.53	11.8	1	1.8	139.5	0.51	0.52	12.0	0.245	2.19	3.5
R499712		25.3	35.6	<0.002	0.16	21.9	6.9	1	1.6	826	0.68	<0.05	8.7	0.349	0.84	5.2

***** See Appendix Page for comments regarding this certificate *****

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 24-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15100419

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Ag-OG62	Pb-OG62	Zn-OG62
	Analyte	V	W	Y	Zn	Zr	Ag	Pb	Zn
	Units	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	LOR	1	0.1	0.1	2	0.5	1	0.001	0.001
R499677		69	2.7	16.1	435	35.7			
R499678		54	4.6	10.1	>10000	27.5		1.200	2.91
R499679		65	2.7	14.4	115	37.2			
R499680		76	1.5	18.3	55	35.7			
R499681		65	3.9	15.1	723	35.8	177		
R499682		3	0.1	0.9	25	0.5			
R499683		73	3.3	17.1	53	36.2			
R499684		73	2.2	18.3	44	38.7			
R499685		68	1.3	17.3	106	38.2			
R499686		68	1.5	16.8	282	37.8			
R499687		70	1.3	17.6	49	36.3			
R499688		67	4.4	14.2	2880	35.6			
R499689		67	1.9	14.8	52	36.7			
R499690		76	1.8	17.5	55	36.7			
R499691		67	1.7	16.2	47	39.8			
R499692		63	6.1	11.7	2390	29.8			
R499693		58	3.8	11.5	2090	33.6			
R499694		60	4.8	13.5	419	32.7			
R499695		71	5.1	15.5	82	33.3			
R499696		64	2.6	13.3	409	27.6			
R499697		66	2.8	13.3	509	30.2			
R499698		71	2.0	14.7	217	27.1			
R499699		72	2.9	15.4	598	28.7			
R499700		56	10.6	14.9	53	34.8			
R499701		56	2.8	15.0	732	24.5			
R499702		70	1.3	17.5	52	35.4			
R499703		67	1.3	15.1	124	31.6			
R499704		68	2.4	14.5	550	31.9			
R499705		55	6.7	9.2	3320	21.9			
R499706		52	4.1	11.1	>10000	24.0		1.650	1.505
R499707		64	2.1	14.0	229	25.7			
R499708		2	0.1	0.8	41	<0.5			
R499709		67	2.1	13.7	78	28.2			
R499710		67	1.8	13.2	117	29.2			
R499711		82	1.9	11.4	193	23.1			
R499712		66	7.4	13.2	115	169.0			

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: KLAZA

Finalized Date: 24-JUL-2015
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH15100419

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

Applies to Method:				
	BAG-06	CRU-31	CRU-QC	LOG-21
	LOG-21d	LOG-23	PUL-31	PUL-31d
	PUL-QC	SPL-21	SPL-21d	WEI-21

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:				
	Ag-OG62	Au-AA24	ME-MS61	ME-OG62
	Pb-OG62	Zn-OG62		

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 24-JUL-2015
Account: ROCKHA

CERTIFICATE WH15100423

Project: KLAZA

P.O. No.: BATCH 42

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 8-JUL-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21d	Sample logging - ClientBarCode Dup
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
BAG-06	Double Bagging Coarse Rejects
SPL-21d	Split sample - duplicate
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31d	Pulverize Split - duplicate

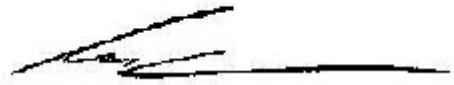
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Zn-OG62	Ore Grade Zn - Four Acid	VARIABLE
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.

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Finalized Date: 24-JUL-2015
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Project: KLAZA

CERTIFICATE OF ANALYSIS WH15100423

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
R610047		1.96	<0.005	0.12	7.93	8.9	1850	1.29	0.11	1.02	0.10	45.4	7.5	12	16.10	14.6
R610048		3.37	<0.005	0.08	7.09	4.2	2010	1.53	0.16	2.70	0.09	44.3	8.7	11	10.95	7.6
R610049		3.81	<0.005	0.11	7.02	15.5	1780	1.43	0.18	2.53	0.35	48.2	12.3	12	11.50	8.4
R610050		5.56	<0.005	0.07	7.16	4.8	2330	1.48	0.15	2.53	0.12	45.5	9.3	13	10.80	8.3
R610051		2.32	0.007	0.09	7.12	8.0	2410	1.50	0.20	2.41	0.10	44.9	10.4	12	10.75	9.4
R610052		5.15	<0.005	0.09	7.27	5.9	1600	1.21	0.24	2.21	0.14	47.7	11.1	11	11.00	6.4
R610053		2.27	<0.005	0.30	6.44	70.2	1000	1.52	0.17	2.23	1.13	39.5	7.8	11	22.3	13.4
R610054		1.42	2.23	49.4	6.50	8830	440	1.33	1.29	4.53	154.5	65.5	13.3	11	5.71	263
R610055		6.64	<0.005	0.14	6.44	12.7	830	1.20	0.20	3.33	0.53	58.8	4.6	14	3.01	4.7
R610056		7.01	0.009	0.38	6.82	57.6	1190	1.49	0.20	2.89	1.52	65.2	5.3	13	8.13	5.8
R610057		7.02	<0.005	0.02	7.02	26.6	850	1.85	0.10	2.48	0.20	68.0	9.7	32	39.8	6.4
R610058		4.41	0.013	0.99	6.74	356	1790	1.92	0.62	3.00	0.93	49.8	7.4	15	23.6	129.0
R610059		0.30	0.343	4.61	6.64	698	560	1.34	3.33	1.99	10.65	51.5	13.7	25	14.35	316
R610060		1.27	0.482	14.45	6.22	1060	630	1.54	2.82	2.90	37.4	47.0	16.7	8	14.60	100.5
R610061		4.20	<0.005	0.04	0.09	2.3	40	0.07	0.03	19.90	0.13	1.37	0.8	<1	0.28	4.1
R610062		2.98	<0.005	0.45	7.27	65.6	1340	1.34	0.14	2.61	1.52	55.6	7.8	8	23.3	13.5
R610063		5.33	<0.005	0.20	6.93	25.2	900	1.54	0.14	2.82	0.27	48.6	8.2	9	29.5	13.1
R610064		11.35	<0.005	0.13	7.35	5.8	1860	1.26	0.19	1.36	0.26	41.5	7.7	10	17.40	18.5
R610065		<0.02	<0.005	0.15	7.95	5.3	1880	1.36	0.20	1.53	0.28	43.2	8.1	12	18.20	19.2
R610066		9.04	<0.005	0.10	6.79	7.6	2030	1.24	0.13	1.81	0.11	32.2	6.1	11	12.85	11.3
R610067		4.94	<0.005	0.10	6.98	8.3	2010	1.46	0.12	2.94	0.09	49.1	8.0	15	15.95	11.8
R610068		7.07	<0.005	0.13	6.72	5.0	2170	1.45	0.11	2.86	0.14	44.6	8.3	12	20.9	13.7
R610069		6.30	<0.005	0.10	6.70	5.3	1940	1.45	0.09	3.49	0.11	48.3	8.1	11	21.6	9.0
R610070		1.52	<0.005	0.31	7.67	21.3	1840	1.57	1.02	0.58	1.32	57.8	7.6	7	10.65	27.6
R610071		1.43	<0.005	0.33	7.91	27.1	1950	1.79	1.22	1.42	1.23	57.4	8.3	8	15.20	32.8
R610072		1.89	<0.005	0.20	7.64	24.6	3110	1.67	1.13	0.63	1.70	64.8	10.6	8	22.7	35.1
R610073		1.84	0.007	0.17	6.23	25.5	1330	1.15	0.23	6.23	0.30	45.0	7.2	6	21.6	11.0
R610074		3.35	0.048	0.68	6.42	266	370	1.15	0.21	1.48	0.90	45.5	6.9	8	11.05	9.5
R610075		0.30	1.780	38.3	5.58	2410	980	1.25	36.7	1.58	45.3	37.1	15.8	22	9.86	1135
R610076		1.97	0.035	1.26	6.79	214	480	1.35	0.20	2.10	6.50	53.2	7.1	9	11.00	28.6
R610077		5.00	<0.005	0.02	0.11	0.3	30	0.10	0.03	20.8	0.08	1.39	0.9	1	0.37	1.9
R610078		3.17	<0.005	0.14	7.52	10.2	1700	1.40	0.11	2.10	0.19	42.6	7.3	10	19.90	28.9
R610079		3.46	0.030	0.59	6.82	59.6	880	1.38	0.15	2.67	3.81	56.4	7.8	8	13.55	19.2
R610080		8.94	<0.005	0.09	6.98	5.6	1920	1.47	0.07	2.89	0.13	45.9	8.0	11	21.0	13.1
R610081		2.86	<0.005	0.17	6.98	23.5	1750	1.26	0.12	3.37	0.63	48.2	7.1	10	17.25	14.9
R610082		8.00	<0.005	0.08	7.60	4.1	2150	1.54	0.08	3.14	0.16	49.3	9.0	12	15.15	11.3

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 24-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15100423

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
R610047		2.88	18.25	0.13	1.2	0.048	2.85	21.9	47.6	0.44	534	0.77	0.17	9.6	2.8	720
R610048		3.24	16.65	0.14	1.2	0.056	2.86	20.2	16.2	0.84	877	0.98	1.86	9.2	2.5	630
R610049		4.71	16.90	0.16	1.1	0.080	2.87	22.7	23.4	1.13	1550	1.20	1.20	8.8	2.9	620
R610050		3.44	16.60	0.15	1.1	0.050	2.79	21.2	11.8	0.91	791	0.53	2.03	8.9	2.6	660
R610051		3.61	16.75	0.16	1.1	0.057	2.89	20.9	11.8	0.89	819	0.57	1.95	8.8	2.8	650
R610052		3.62	17.30	0.15	1.1	0.080	2.66	22.7	40.0	0.89	1270	0.20	0.07	9.0	2.6	660
R610053		2.80	16.50	0.14	1.1	0.070	2.78	18.6	141.5	0.60	1940	0.35	0.07	8.9	2.7	650
R610054		4.46	15.65	0.15	2.1	0.233	0.45	33.0	75.6	1.32	1220	21.2	0.02	11.1	3.1	840
R610055		2.30	16.10	0.14	2.3	0.035	0.23	28.9	134.5	0.91	865	1.02	0.02	11.8	2.6	830
R610056		2.40	16.70	0.15	2.5	0.037	0.56	32.4	148.5	1.05	679	1.09	0.04	12.0	2.8	890
R610057		3.02	19.60	0.16	4.1	0.039	2.06	32.0	180.5	1.19	738	0.89	0.06	12.6	11.1	1680
R610058		2.41	17.95	0.16	2.7	0.072	2.19	24.3	139.5	1.06	1020	124.0	0.04	10.4	5.4	900
R610059		5.00	15.35	0.15	1.0	0.305	2.90	28.2	26.2	0.77	1900	13.30	0.15	6.7	13.8	520
R610060		4.53	14.75	0.14	1.0	0.306	2.77	25.2	13.9	1.03	3480	2.38	0.03	6.8	3.3	560
R610061		0.46	0.26	<0.05	<0.1	<0.005	0.03	0.7	1.6	12.25	219	1.42	0.01	0.2	3.9	210
R610062		2.58	17.55	0.12	1.2	0.044	2.72	30.0	34.1	0.84	1170	2.54	0.04	8.3	2.7	650
R610063		2.60	16.10	0.15	1.1	0.042	2.47	25.8	65.5	0.88	871	1.39	0.06	7.7	2.7	630
R610064		3.05	17.55	0.13	1.2	0.067	2.59	20.0	31.0	0.59	715	1.24	0.11	8.9	2.4	690
R610065		3.15	18.35	0.16	1.1	0.063	2.59	21.3	32.9	0.64	746	0.79	0.11	8.5	2.8	690
R610066		2.60	17.30	0.16	1.2	0.039	2.57	13.6	27.2	0.34	675	0.87	0.26	8.4	2.2	620
R610067		2.96	16.30	0.17	1.0	0.035	2.38	26.0	13.8	0.82	753	1.00	1.74	7.7	2.8	630
R610068		3.03	16.10	0.17	1.1	0.045	2.41	21.8	14.0	0.82	820	1.04	1.97	7.7	2.9	660
R610069		2.86	15.95	0.18	1.0	0.032	2.39	25.0	28.8	0.85	793	0.90	1.59	7.4	3.3	590
R610070		3.26	17.35	0.17	1.2	0.057	2.67	29.4	18.5	0.24	1390	5.64	1.22	7.7	2.2	670
R610071		3.40	17.70	0.20	1.3	0.033	2.62	33.2	18.1	0.39	1120	3.47	1.76	7.8	2.8	710
R610072		3.51	17.35	0.19	1.2	0.044	2.43	31.3	23.3	0.42	982	4.10	0.99	8.2	3.1	820
R610073		3.18	13.85	0.16	1.1	0.095	2.51	25.4	46.0	1.17	2240	0.97	0.24	6.4	2.3	500
R610074		7.29	14.70	0.16	1.1	0.215	2.79	24.8	23.7	0.97	2780	1.12	0.02	6.2	2.5	530
R610075		8.89	14.10	0.16	0.8	1.510	2.54	20.0	15.9	0.65	2290	16.20	0.06	4.7	14.3	430
R610076		6.19	15.95	0.17	1.1	0.331	3.11	29.3	22.2	1.05	4780	1.25	0.03	6.9	2.7	550
R610077		0.50	0.31	0.05	<0.1	0.006	0.04	0.7	1.8	12.75	240	0.24	0.01	0.2	2.1	180
R610078		3.19	17.95	0.15	1.4	0.042	2.48	20.3	71.7	0.75	775	1.72	0.10	8.3	2.4	700
R610079		4.75	15.15	0.15	1.1	0.161	2.84	31.0	59.4	1.12	2860	1.40	0.05	6.7	2.5	540
R610080		3.07	16.95	0.16	1.3	0.034	2.55	23.1	19.4	0.76	925	1.60	1.76	8.0	2.8	670
R610081		3.20	15.50	0.15	1.1	0.055	2.48	25.9	56.5	1.10	1480	0.70	0.16	7.0	2.4	560
R610082		3.45	17.70	0.17	1.3	0.042	2.59	25.2	19.1	0.91	865	1.05	2.23	8.3	2.9	700

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 24-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15100423

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
R610047		18.3	122.0	<0.002	0.05	15.20	13.5	1	1.9	142.0	0.71	<0.05	14.4	0.304	1.32	3.1
R610048		17.5	105.5	<0.002	0.05	2.42	12.1	1	1.6	368	0.70	<0.05	12.6	0.282	1.29	4.3
R610049		24.6	115.5	<0.002	0.26	3.94	11.7	1	2.4	278	0.62	<0.05	11.9	0.278	1.58	6.5
R610050		20.3	104.0	<0.002	0.04	1.95	12.6	1	2.0	395	0.65	<0.05	12.7	0.286	1.19	4.0
R610051		20.9	106.5	<0.002	0.07	2.31	12.3	1	2.3	382	0.63	<0.05	12.7	0.285	1.26	4.2
R610052		24.8	94.6	<0.002	0.12	11.00	13.0	1	2.0	116.5	0.63	<0.05	12.1	0.284	1.45	2.8
R610053		93.9	108.5	<0.002	0.29	11.65	12.5	1	2.0	167.5	0.65	<0.05	11.5	0.278	1.94	4.7
R610054		3510	23.8	<0.002	2.31	125.0	5.9	1	4.1	895	0.69	0.17	10.6	0.232	0.58	13.0
R610055		37.7	5.1	<0.002	0.06	4.09	5.3	1	1.5	591	0.72	<0.05	8.5	0.249	0.27	6.4
R610056		52.3	15.7	<0.002	0.09	7.53	5.7	1	1.5	739	0.76	<0.05	9.9	0.249	0.53	5.7
R610057		11.6	74.1	<0.002	0.02	22.4	7.8	1	1.3	604	0.74	<0.05	7.3	0.422	1.68	2.8
R610058		41.8	103.0	0.093	0.49	61.4	6.3	1	2.0	574	0.69	<0.05	9.1	0.259	2.60	5.1
R610059		481	173.5	0.004	2.66	28.7	9.5	1	5.6	113.0	0.49	0.32	12.1	0.207	2.38	5.1
R610060		2890	178.0	<0.002	2.94	44.4	9.8	1	4.2	120.0	0.50	0.19	12.2	0.228	2.60	4.9
R610061		5.6	1.7	<0.002	<0.01	0.24	0.2	<1	<0.2	52.3	<0.05	<0.05	<0.2	<0.005	0.02	0.8
R610062		82.5	110.0	<0.002	0.50	14.50	11.3	1	1.8	223	0.73	<0.05	13.6	0.263	2.52	5.7
R610063		22.1	106.0	<0.002	0.20	12.60	11.6	1	1.9	199.0	0.60	<0.05	11.7	0.263	1.96	5.0
R610064		25.8	100.5	<0.002	0.01	15.10	12.7	1	2.1	123.0	0.75	<0.05	11.9	0.306	1.32	2.9
R610065		24.9	101.0	<0.002	0.01	13.00	13.0	1	2.3	131.5	0.68	<0.05	11.8	0.295	1.27	2.8
R610066		18.7	90.5	<0.002	0.01	16.30	11.2	1	1.6	147.0	0.70	<0.05	9.9	0.280	1.20	2.7
R610067		16.6	106.0	<0.002	0.02	2.32	12.0	1	1.6	350	0.61	<0.05	12.0	0.269	1.17	4.0
R610068		18.9	98.7	<0.002	0.02	1.73	12.3	1	1.6	392	0.62	<0.05	10.7	0.272	1.16	3.7
R610069		16.4	98.4	<0.002	0.02	2.09	11.5	1	1.5	367	0.60	<0.05	11.6	0.255	1.11	3.8
R610070		23.4	135.5	<0.002	0.01	6.61	12.3	1	2.0	145.0	0.63	<0.05	13.9	0.259	1.62	3.3
R610071		27.7	119.0	<0.002	<0.01	4.21	13.0	1	2.1	261	0.64	0.07	14.6	0.271	1.24	2.9
R610072		18.5	116.0	<0.002	0.03	3.96	13.8	1	2.6	160.5	0.64	<0.05	13.1	0.276	1.28	2.9
R610073		42.9	139.5	<0.002	0.23	15.20	9.9	<1	2.0	205	0.53	<0.05	11.4	0.215	2.23	4.3
R610074		79.3	167.0	<0.002	2.48	18.35	9.9	<1	3.9	63.2	0.50	<0.05	11.3	0.222	2.55	5.6
R610075		1625	146.0	0.002	7.57	111.0	8.4	2	10.8	63.1	0.39	0.68	8.8	0.163	2.27	5.3
R610076		198.5	197.0	<0.002	1.76	18.80	11.0	1	4.8	76.5	0.54	<0.05	11.7	0.234	2.84	7.0
R610077		1.8	2.3	<0.002	<0.01	0.07	0.3	<1	<0.2	51.6	<0.05	<0.05	<0.2	0.006	0.02	0.8
R610078		18.4	91.0	<0.002	0.05	14.15	12.7	1	2.1	162.0	0.66	<0.05	11.1	0.298	1.37	3.8
R610079		217	160.5	<0.002	0.38	17.85	10.7	1	2.3	129.0	0.54	<0.05	11.5	0.237	2.51	7.0
R610080		20.4	105.0	<0.002	0.02	3.99	11.8	1	1.8	360	0.65	<0.05	11.2	0.273	1.36	4.2
R610081		53.9	116.5	<0.002	0.16	13.45	11.0	1	1.8	180.0	0.58	<0.05	12.4	0.249	1.82	5.3
R610082		17.9	99.1	<0.002	0.01	1.90	13.3	1	1.7	426	0.64	<0.05	12.1	0.301	1.13	3.9

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 24-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15100423

Sample Description	Method / Analyte / Units / LOR	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Zn-OG62 Zn % 0.001
R610047		85	5.1	14.8	58	34.1	
R610048		81	1.2	16.5	60	31.3	
R610049		77	4.6	15.6	116	29.4	
R610050		81	1.8	17.6	70	29.5	
R610051		81	2.2	16.5	73	29.8	
R610052		84	3.7	16.3	86	28.5	
R610053		80	2.0	15.1	185	29.2	
R610054		49	4.3	13.5	10000	80.1	1.005
R610055		48	1.9	12.3	112	84.4	
R610056		50	2.5	12.9	160	87.5	
R610057		78	2.7	13.6	90	178.5	
R610058		55	4.1	12.6	138	103.0	
R610059		65	5.3	13.5	879	32.1	
R610060		64	6.5	12.6	2640	30.6	
R610061		3	0.1	0.8	26	0.6	
R610062		75	5.7	14.7	214	29.6	
R610063		77	4.2	14.5	67	26.9	
R610064		86	5.5	14.6	80	29.0	
R610065		86	5.0	14.7	84	27.6	
R610066		80	6.4	11.6	52	28.4	
R610067		79	3.0	15.6	55	25.6	
R610068		83	2.3	15.3	63	25.8	
R610069		75	2.3	15.9	54	24.6	
R610070		89	10.2	16.7	104	33.3	
R610071		91	6.7	17.7	99	34.7	
R610072		92	4.7	20.6	109	34.7	
R610073		65	3.6	16.4	80	29.5	
R610074		67	16.3	10.2	182	28.8	
R610075		54	7.8	9.1	3310	21.6	
R610076		71	17.4	11.5	750	29.8	
R610077		3	0.1	0.8	21	0.6	
R610078		87	4.4	14.6	73	37.3	
R610079		73	8.0	14.0	564	28.7	
R610080		81	5.0	15.7	66	34.1	
R610081		74	6.2	15.6	118	27.4	
R610082		92	1.6	17.0	67	36.1	

***** See Appendix Page for comments regarding this certificate *****

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VANCOUVER BC V6B 1L8

Project: KLAZA

Finalized Date: 24-JUL-2015
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH15100423

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

Applies to Method:				
	BAG-06	CRU-31	CRU-QC	LOG-21
	LOG-21d	LOG-23	PUL-31	PUL-31d
	PUL-QC	SPL-21	SPL-21d	WEI-21

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:				
	Au-AA24	ME-MS61	ME-OG62	Zn-OG62

ALS Canada Ltd.

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VANCOUVER BC V6B 1L8

Finalized Date: 24-JUL-2015
Account: ROCKHA

CERTIFICATE WH15100426

Project: KLAZA

P.O. No.: BATCH 43

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 8-JUL-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21d	Sample logging - ClientBarCode Dup
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
BAG-06	Double Bagging Coarse Rejects
SPL-21d	Split sample - duplicate
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31d	Pulverize Split - duplicate

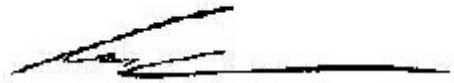
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.

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Finalized Date: 24-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15100426

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
R499713		2.41	0.046	1.80	5.50	52.0	1040	1.52	1.63	2.52	1.28	40.9	18.9	9	15.15	7.7
R499714		6.39	<0.005	0.55	6.77	14.4	1420	1.60	0.79	2.49	0.20	49.6	10.6	8	17.35	6.5
R499715		2.90	<0.005	0.13	7.39	8.5	1820	1.44	0.21	1.74	0.16	45.1	4.6	10	13.35	6.3
R499716		4.30	0.041	1.45	7.13	82.5	1470	1.81	1.07	2.15	6.06	51.1	11.9	11	14.45	13.3
R499717		3.72	0.070	2.24	7.34	121.5	940	1.50	1.28	1.70	16.15	52.1	18.2	10	8.79	23.0
R499718		<0.02	0.103	2.33	7.19	122.0	980	1.51	1.33	1.67	17.75	51.6	18.3	10	8.56	26.0
R499719		3.65	<0.005	0.18	6.98	8.7	2640	1.72	0.54	2.77	0.25	51.7	13.4	10	7.04	3.7
R499720		8.03	<0.005	0.27	6.68	18.6	2670	1.63	0.29	2.57	0.45	42.2	4.9	10	11.70	3.4
R499721		0.31	0.353	5.99	6.53	696	1020	1.52	3.20	1.97	11.20	50.4	12.4	26	13.75	308
R499722		6.78	0.012	1.89	7.01	91.8	2170	1.64	0.85	1.93	2.79	52.7	21.1	8	20.5	4.7
R499723		3.98	0.101	24.1	5.99	214	860	1.48	1.62	1.44	36.8	42.6	11.8	7	14.30	20.1
R499724		3.00	<0.005	0.41	6.73	23.4	3100	1.55	0.52	1.75	0.63	43.3	4.5	8	15.65	2.7
R499725		3.84	<0.005	0.20	7.52	14.5	1920	2.07	0.27	1.35	0.27	57.5	6.0	8	19.65	8.2
R499726		8.17	0.009	0.54	8.03	22.4	3230	1.81	0.87	2.01	0.41	50.3	11.1	10	19.90	31.0
R499727		5.01	0.023	1.96	9.53	55.2	2620	2.55	3.20	2.17	0.33	51.6	36.6	8	38.9	39.0
R499728		8.60	0.010	0.56	9.51	23.2	5050	2.47	0.61	2.47	1.08	57.2	9.6	8	42.0	6.8
R499729		3.45	<0.005	0.30	7.34	13.9	2720	1.84	0.43	1.72	0.33	58.6	7.2	8	32.1	6.4
R499730		2.38	0.152	3.61	7.01	100.0	550	1.95	1.51	1.54	3.21	57.4	12.1	9	28.7	29.9
R499731		6.12	0.030	0.86	7.15	31.4	2430	1.81	1.84	2.38	1.33	54.7	6.3	11	15.05	21.5
R499732		3.16	0.035	1.12	7.11	60.4	2610	1.87	1.51	2.37	1.25	47.8	7.0	11	16.45	26.9
R499733		4.37	0.334	6.05	5.72	101.5	550	1.49	14.50	6.10	1.35	51.9	20.3	6	18.60	101.5
R499734		8.24	0.012	0.58	8.40	66.8	5150	1.89	0.65	3.64	0.28	62.5	7.5	8	22.7	6.1
R499735		7.90	0.005	0.16	7.88	14.8	1990	1.66	0.43	2.21	0.13	44.5	7.2	8	26.2	2.4
R499736		6.45	0.012	0.33	7.14	15.6	1910	1.60	1.10	2.65	0.38	57.7	8.7	9	14.10	8.1
R499737		4.26	0.075	0.60	6.52	199.0	1690	2.05	0.22	1.82	2.22	43.5	6.3	9	22.3	10.4
R499738		5.04	<0.005	0.01	0.06	<0.2	30	0.05	0.02	20.1	0.07	1.21	0.8	<1	0.18	1.5
R499739		5.23	0.169	0.56	6.60	50.5	520	1.77	0.33	2.09	0.23	39.2	5.9	8	21.7	10.4
R499740		5.59	0.055	1.07	6.63	155.5	890	1.56	0.23	2.64	0.63	41.4	7.3	8	20.4	31.0
R499741		4.93	<0.005	0.14	6.80	10.5	2040	1.68	0.20	2.35	0.15	41.8	6.8	11	20.4	14.0
R499742		0.31	0.942	11.95	6.35	1535	900	1.48	11.50	1.76	32.0	47.1	16.8	18	12.85	281
R499743		2.51	0.262	4.88	6.44	781	350	1.57	1.22	2.15	25.9	43.0	11.7	8	19.60	34.9
R499744		5.93	<0.005	0.07	6.88	9.0	1870	1.56	0.10	2.35	0.14	41.6	5.1	9	20.7	6.8
R499745		4.03	0.014	1.41	6.37	60.2	2360	1.39	0.12	2.36	2.70	44.7	5.5	8	16.85	10.4
R499746		5.29	<0.005	0.02	0.10	<0.2	50	0.12	0.03	19.90	0.10	1.46	0.9	<1	0.59	2.3
R499747		5.62	0.034	1.21	6.80	124.0	850	1.47	0.35	3.40	2.53	49.0	5.8	7	20.6	8.5
R499748		6.42	0.010	0.60	6.77	37.0	1560	1.58	0.32	2.45	0.94	44.2	5.7	9	17.45	8.0

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 24-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15100426

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
R499713		3.41	12.55	0.14	1.0	0.066	2.34	22.1	28.5	0.88	949	4.20	0.04	6.2	3.3	460
R499714		2.90	15.60	0.15	1.2	0.054	2.91	27.2	67.3	0.86	640	1.74	0.05	7.8	2.3	530
R499715		3.15	16.80	0.17	1.3	0.041	3.14	22.7	62.0	0.68	550	0.94	0.21	9.0	2.2	600
R499716		3.58	16.65	0.18	1.4	0.106	3.18	26.5	134.5	0.68	1460	1.17	0.06	8.3	2.4	570
R499717		4.29	16.15	0.19	1.1	0.259	3.56	28.8	7.8	0.62	1900	1.95	0.04	7.4	2.5	570
R499718		4.24	16.00	0.17	0.9	0.279	3.50	27.9	7.6	0.61	1880	1.93	0.04	7.4	2.5	560
R499719		3.28	15.85	0.14	1.0	0.057	2.77	26.9	11.1	0.63	628	0.42	1.63	7.7	2.3	570
R499720		3.28	16.25	0.15	1.1	0.071	2.79	21.4	23.7	0.75	1070	0.64	1.37	7.7	2.4	590
R499721		4.91	14.95	0.17	1.0	0.304	2.91	29.0	27.7	0.76	1840	13.75	0.15	6.1	14.7	520
R499722		3.49	15.65	0.17	1.1	0.095	3.08	29.9	20.0	0.83	1520	4.46	0.04	7.1	2.5	530
R499723		4.41	13.65	0.17	1.0	0.171	2.79	23.9	19.7	0.72	3280	23.0	0.02	6.2	2.7	460
R499724		3.27	15.20	0.16	1.0	0.082	2.75	23.6	95.1	0.73	1600	1.09	0.03	6.9	2.1	530
R499725		3.00	16.30	0.19	1.2	0.042	2.75	31.6	421	0.59	799	0.38	0.06	8.2	2.5	630
R499726		3.76	18.20	0.20	1.3	0.069	3.63	25.4	66.6	0.64	944	0.35	1.19	9.0	2.5	650
R499727		6.63	27.8	0.23	1.8	0.134	3.95	24.4	42.1	0.82	1400	0.68	0.40	12.1	4.8	810
R499728		7.05	24.8	0.23	1.7	0.126	3.78	28.0	49.1	0.97	1100	0.95	0.84	11.4	3.2	810
R499729		3.74	17.10	0.22	1.2	0.074	3.07	30.3	65.1	0.61	729	0.48	0.60	8.2	2.8	580
R499730		3.83	15.70	0.18	1.2	0.115	3.12	31.0	147.0	0.69	1620	1.41	0.05	7.7	4.8	570
R499731		3.44	16.55	0.18	1.4	0.063	2.94	28.2	26.0	0.78	886	1.45	1.32	8.9	3.3	670
R499732		3.67	16.70	0.19	1.4	0.066	3.04	23.7	33.7	0.73	909	2.10	1.23	8.7	3.2	670
R499733		3.48	13.20	0.18	1.0	0.054	2.49	27.6	12.3	0.56	2060	0.95	0.77	5.9	2.9	490
R499734		6.21	20.3	0.18	1.4	0.096	3.43	30.3	40.1	0.92	1980	0.62	1.18	10.2	4.3	740
R499735		4.20	18.15	0.16	1.2	0.085	2.66	22.3	92.1	0.68	761	0.62	1.27	9.1	2.8	670
R499736		3.46	18.45	0.16	0.9	0.096	2.56	30.1	29.1	0.79	776	0.93	1.71	7.3	2.5	540
R499737		2.57	15.25	0.18	1.0	0.050	2.42	22.5	267	0.61	1460	8.24	0.04	7.6	2.8	530
R499738		0.47	0.23	0.09	<0.1	<0.005	0.02	0.6	1.7	12.45	217	0.07	0.01	0.1	1.5	160
R499739		2.59	14.80	0.09	1.0	0.052	2.41	20.2	214	0.68	1200	7.07	0.03	7.8	2.0	560
R499740		2.57	14.50	0.13	1.1	0.041	2.90	21.8	31.3	0.84	1440	3.70	0.03	7.6	2.3	540
R499741		2.70	15.05	0.13	1.1	0.038	2.89	21.8	48.7	0.64	554	4.16	1.60	7.9	2.3	550
R499742		6.33	14.35	0.11	1.0	0.758	2.80	26.6	19.5	0.74	1800	9.09	0.12	6.3	12.3	520
R499743		4.18	14.45	0.11	1.1	0.197	2.82	22.2	88.1	0.73	1580	2.80	0.04	7.1	2.2	490
R499744		2.76	14.95	0.11	1.3	0.039	2.98	21.3	120.0	0.69	707	2.54	0.63	7.6	2.1	550
R499745		2.12	13.70	0.12	1.0	0.048	2.64	24.8	110.0	0.86	1470	5.26	0.03	6.8	2.0	480
R499746		0.47	0.35	<0.05	<0.1	0.005	0.04	0.7	2.1	12.50	221	0.22	0.01	0.2	1.4	180
R499747		3.51	14.45	0.12	1.1	0.082	3.03	27.1	16.6	1.00	3050	1.98	0.02	7.4	2.2	550
R499748		3.23	14.75	0.08	1.1	0.081	3.27	22.6	40.4	0.75	1500	1.26	0.34	7.7	2.2	620

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 24-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15100426

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
R499713		112.0	123.0	<0.002	2.07	22.9	8.1	1	1.7	142.5	0.52	0.49	10.4	0.188	2.17	11.5
R499714		20.5	132.0	<0.002	1.14	8.76	10.4	1	2.4	148.5	0.67	0.25	13.2	0.233	2.28	6.6
R499715		18.9	109.0	<0.002	0.22	6.99	11.2	1	2.1	165.0	0.78	0.06	13.2	0.257	1.75	5.6
R499716		323	150.5	<0.002	1.89	8.18	10.9	1	3.5	156.0	0.74	0.29	14.1	0.243	2.64	5.8
R499717		315	210	<0.002	2.95	6.65	10.6	1	4.3	60.2	0.61	0.26	13.7	0.231	3.20	4.1
R499718		308	206	<0.002	2.96	6.96	10.5	1	4.3	58.3	0.60	0.25	13.3	0.222	3.11	4.0
R499719		18.3	124.0	<0.002	0.77	2.50	10.6	1	1.9	264	0.62	0.17	12.4	0.240	1.81	4.2
R499720		51.4	120.5	<0.002	0.28	4.76	10.9	1	2.0	259	0.61	0.08	11.8	0.237	2.06	4.6
R499721		467	153.0	0.002	2.64	27.3	9.7	1	5.5	107.5	0.47	0.34	11.0	0.205	2.45	5.0
R499722		296	180.5	<0.002	1.25	10.85	10.4	1	2.2	145.0	0.56	0.24	13.6	0.225	3.10	5.9
R499723		4460	196.0	<0.002	2.44	40.7	8.9	1	2.9	78.0	0.50	0.75	11.7	0.193	2.95	13.0
R499724		35.6	156.5	<0.002	0.64	13.90	10.0	1	1.8	173.0	0.55	0.13	12.6	0.221	2.79	4.5
R499725		25.9	130.0	<0.002	0.28	22.1	11.6	1	2.5	226	0.64	0.07	14.0	0.259	1.90	4.0
R499726		40.7	149.5	<0.002	0.74	9.15	12.5	1	2.4	269	0.72	0.46	14.7	0.274	2.19	4.4
R499727		36.5	178.0	<0.002	2.13	11.35	15.5	1	2.0	215	1.03	1.91	15.0	0.344	3.48	6.3
R499728		94.4	137.5	<0.002	0.26	6.96	14.9	1	1.9	318	1.08	0.08	16.2	0.330	2.73	6.2
R499729		63.8	142.5	<0.002	0.17	6.44	11.6	1	1.8	227	0.62	0.05	14.2	0.253	1.89	4.6
R499730		495	166.5	<0.002	1.80	17.85	10.5	1	3.1	212	0.60	0.47	14.1	0.232	2.44	6.1
R499731		106.5	127.0	<0.002	0.37	4.44	12.7	1	2.3	294	0.75	1.25	12.6	0.287	1.69	7.1
R499732		126.0	125.5	<0.002	0.67	5.17	12.4	1	2.6	298	0.74	0.91	13.0	0.278	1.77	6.7
R499733		84.1	118.5	<0.002	1.73	9.51	9.2	1	1.5	419	0.48	12.10	9.7	0.201	1.75	3.9
R499734		26.4	141.0	<0.002	0.58	6.95	13.8	1	1.8	349	0.84	0.34	14.1	0.316	2.51	4.5
R499735		11.8	145.0	<0.002	0.20	7.32	11.9	1	1.7	207	0.76	0.19	13.3	0.284	2.12	3.5
R499736		19.0	128.5	<0.002	0.55	4.61	10.3	1	1.7	266	0.62	0.54	12.0	0.238	1.85	5.5
R499737		74.5	103.5	<0.002	0.78	24.3	9.7	1	2.1	184.5	0.62	0.05	12.0	0.228	2.30	4.9
R499738		1.8	1.2	<0.002	<0.01	0.06	0.2	<1	<0.2	50.5	<0.05	<0.05	<0.2	<0.005	<0.02	0.8
R499739		17.4	102.0	<0.002	0.41	19.80	9.4	1	1.8	196.5	0.63	0.10	11.4	0.239	2.30	4.3
R499740		32.1	128.0	<0.002	0.77	22.8	9.3	1	1.6	201	0.61	0.06	11.9	0.230	3.33	5.1
R499741		21.4	108.5	<0.002	0.14	6.38	9.4	1	1.6	342	0.62	0.05	11.9	0.238	1.68	4.2
R499742		1220	165.5	<0.002	4.53	61.1	9.1	2	7.8	97.7	0.52	1.17	11.9	0.202	2.49	5.5
R499743		746	157.0	<0.002	2.87	19.50	9.2	1	3.5	170.5	0.61	0.25	11.6	0.218	2.83	6.1
R499744		15.0	114.0	<0.002	0.07	10.05	9.2	1	1.6	251	0.66	<0.05	12.5	0.241	1.97	4.7
R499745		121.5	128.0	<0.002	0.39	19.55	8.4	1	1.9	231	0.55	<0.05	12.8	0.213	2.71	9.6
R499746		1.6	2.9	<0.002	<0.01	0.10	0.2	<1	0.2	52.3	<0.05	<0.05	<0.2	<0.005	0.02	1.2
R499747		184.5	163.5	<0.002	1.46	13.40	9.1	1	2.0	177.5	0.63	0.07	11.6	0.234	3.75	7.7
R499748		92.4	133.5	<0.002	0.45	7.84	10.1	1	2.1	183.0	0.61	0.06	11.4	0.260	2.56	4.4

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Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	V	W	Y	Zn	Zr
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	1	0.1	0.1	2	0.5
R499713		50	2.0	10.1	95	31.7
R499714		63	1.8	12.1	49	32.0
R499715		70	2.3	14.9	44	36.5
R499716		65	2.9	14.0	416	36.5
R499717		65	2.9	11.7	1280	28.0
R499718		61	2.8	11.5	1360	26.1
R499719		66	1.4	13.8	62	27.8
R499720		69	1.7	15.2	87	30.9
R499721		65	4.9	11.6	876	30.1
R499722		67	4.0	13.9	233	31.4
R499723		54	3.7	11.0	2250	27.8
R499724		64	2.2	12.6	90	27.0
R499725		70	4.4	14.4	71	34.2
R499726		80	2.0	14.9	89	37.5
R499727		124	2.9	18.8	129	49.6
R499728		124	2.6	19.9	160	47.2
R499729		73	3.4	17.8	74	33.5
R499730		63	4.6	14.0	231	35.2
R499731		83	1.6	18.7	130	38.7
R499732		82	1.8	17.4	127	37.6
R499733		56	2.3	20.4	116	26.7
R499734		97	2.3	22.7	110	38.3
R499735		78	2.1	15.3	77	34.3
R499736		77	1.3	16.3	70	23.4
R499737		64	2.9	12.1	183	27.5
R499738		2	0.1	0.8	18	<0.5
R499739		67	2.8	12.1	46	25.7
R499740		63	3.5	12.0	58	27.2
R499741		65	1.5	14.3	39	30.3
R499742		61	5.6	10.9	2380	26.8
R499743		60	3.4	13.4	2080	28.1
R499744		65	1.8	13.2	44	30.6
R499745		59	4.9	13.6	195	26.5
R499746		3	0.1	0.9	20	<0.5
R499747		63	4.7	15.5	189	26.7
R499748		77	3.4	14.8	95	30.1

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

2103 Dollarton Hwy
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www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: KLAZA

Finalized Date: 24-JUL-2015
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH15100426

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	ME-MS61

ALS Canada Ltd.

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C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 27-JUL-2015
Account: ROCKHA

CERTIFICATE WH15102117

Project: KLAZA

P.O. No.: BATCH 44

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 13-JUL-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21d	Sample logging - ClientBarCode Dup
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
BAG-06	Double Bagging Coarse Rejects
SPL-21d	Split sample - duplicate
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31d	Pulverize Split - duplicate

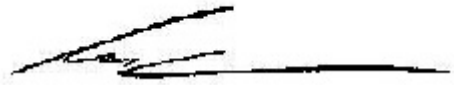
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 27-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15102117

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
R499749		2.55	0.293	6.02	7.08	53.5	690	1.55	5.81	2.54	4.16	53.4	28.5	16	9.82	29.4
R499750		4.70	0.515	13.35	6.97	159.0	840	1.39	13.10	2.11	24.8	35.1	37.0	20	6.81	282
R499751		5.84	<0.005	0.10	7.37	7.3	2200	1.69	0.18	2.42	0.20	43.5	6.4	12	11.30	8.0
R499752		2.77	0.006	0.13	7.36	15.3	2560	1.57	0.27	2.80	0.12	43.5	10.0	11	10.80	3.0
R499753		2.71	0.014	0.26	7.11	17.6	2300	1.50	0.88	3.42	0.16	38.0	11.7	10	12.20	3.6
R499754		2.91	0.102	9.87	6.93	500	620	1.40	0.57	2.64	55.8	46.7	7.9	9	15.90	31.9
R499755		4.72	<0.005	0.01	0.05	2.8	30	0.05	0.03	21.1	0.11	1.23	0.7	1	0.18	2.9
R499756		2.25	0.012	0.25	7.03	17.1	4140	1.47	0.64	2.78	0.28	45.4	10.4	10	12.60	4.0
R499757		3.31	0.041	1.27	7.17	35.2	940	1.46	1.19	2.95	2.18	44.1	12.2	9	17.90	6.6
R499758		1.36	0.323	10.05	7.31	398	600	1.44	1.55	1.00	25.7	40.8	14.9	7	12.75	25.8
R499759		3.17	0.008	0.28	7.16	48.3	3510	1.55	0.37	2.60	0.31	44.6	6.3	8	18.80	2.8
R499760		1.50	0.009	0.27	7.19	40.2	3740	1.65	0.48	2.62	0.20	46.2	7.5	8	19.10	2.8
R499761		2.95	0.071	4.89	7.51	115.0	1170	0.98	0.81	1.34	24.8	40.7	6.3	9	11.40	21.3
R499762		3.00	<0.005	0.12	7.18	33.2	2740	1.60	0.20	2.88	0.68	42.3	5.9	10	18.75	4.0
R499763		0.28	0.453	4.83	6.59	716	540	1.36	3.63	2.06	11.40	51.9	12.1	24	13.75	312
R499764		2.49	0.068	1.53	6.93	142.5	1580	1.59	0.57	2.02	3.71	45.5	10.1	7	26.6	12.6
R499765		2.67	0.189	7.13	7.12	221	670	1.65	1.26	2.37	19.80	45.0	6.7	9	18.60	56.9
R499766		3.48	<0.005	0.09	7.79	8.0	2360	1.65	0.12	2.71	0.14	57.7	6.6	11	12.55	8.3
R499767		1.14	0.435	5.58	6.90	235	890	1.53	0.41	2.35	22.4	40.6	8.4	8	16.30	39.7
R499768		2.20	0.017	0.58	7.60	19.8	2260	1.70	0.24	2.90	1.40	53.5	6.9	10	13.90	13.2
R499769		4.50	<0.005	0.31	7.26	15.7	2100	1.63	0.11	2.93	1.03	46.3	6.4	10	14.30	12.4
R499770		3.72	0.006	0.35	7.09	24.6	2330	1.46	0.30	2.81	0.69	42.8	6.1	11	13.70	17.2
R499771		0.31	0.821	11.80	6.63	1645	260	1.35	12.80	1.94	33.9	47.2	17.7	20	13.95	293
R499772		3.10	0.134	2.06	6.99	110.5	2070	1.49	0.74	3.46	7.55	45.2	7.6	8	21.1	25.4
R499773		3.93	0.021	0.80	7.00	45.0	2270	1.40	0.30	2.97	4.11	43.0	6.2	10	15.90	15.8
R499774		1.63	0.021	0.57	7.32	29.5	980	1.36	1.14	2.36	0.63	45.1	12.4	9	15.80	7.3
R499775		4.82	0.024	0.59	7.32	46.4	2220	1.54	0.32	2.84	1.55	46.2	7.8	10	18.25	16.6
R499776		<0.02	0.018	0.52	7.22	41.7	2290	1.52	0.26	2.77	1.07	46.7	7.4	9	18.25	15.8
R499777		8.81	<0.005	0.21	7.61	21.2	2510	1.55	0.14	2.75	0.17	47.8	6.7	11	16.20	18.8
R499778		2.81	0.031	1.79	7.87	89.5	1870	1.61	0.36	1.92	5.17	50.2	6.7	9	24.2	14.8
R499779		4.61	0.528	2.24	7.84	132.0	1790	1.65	0.58	2.34	5.14	52.8	8.5	10	25.9	19.4
R499780		3.46	<0.005	0.30	7.78	11.7	2330	1.57	0.14	2.64	1.83	45.1	7.5	9	21.5	6.9
R499781		4.35	0.023	3.11	7.45	110.0	750	1.47	0.11	3.12	20.5	54.2	6.9	7	26.4	25.3
R499782		4.92	<0.005	0.01	0.10	0.3	50	0.06	0.02	21.1	0.09	1.46	0.7	1	0.31	1.6
R499783		3.58	0.007	0.84	7.81	43.7	1560	1.73	0.13	2.25	1.46	42.6	6.5	8	23.6	16.7
R499784		2.98	0.119	3.90	6.78	594	1500	1.51	0.52	3.34	8.48	47.4	5.7	6	20.5	33.9

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 27-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15102117

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
R499749		4.58	14.80	0.15	1.6	0.176	3.41	26.9	26.1	0.92	1800	1.35	0.04	6.9	6.4	590
R499750		5.40	14.95	0.14	2.1	0.985	3.44	16.1	6.2	0.81	1560	1.95	0.04	6.6	6.3	660
R499751		2.75	15.15	0.12	1.4	0.041	2.90	23.1	13.6	0.77	596	0.90	2.17	8.0	2.4	560
R499752		2.88	15.95	0.14	1.2	0.042	2.68	22.9	11.1	0.76	539	1.14	2.16	7.9	2.6	620
R499753		2.86	15.35	0.13	1.0	0.038	2.78	19.7	20.8	0.79	618	1.26	1.79	7.5	2.4	610
R499754		3.35	15.50	0.19	1.1	0.058	3.12	22.6	11.7	0.73	1570	1.05	0.91	7.1	2.5	580
R499755		0.48	0.19	0.18	<0.1	<0.005	0.02	0.6	0.9	13.05	225	0.20	0.01	0.1	1.7	390
R499756		2.82	16.00	0.21	1.3	0.036	3.12	22.1	10.7	0.66	624	1.07	1.84	8.3	2.5	650
R499757		2.84	15.85	0.20	1.2	0.061	3.31	21.9	54.3	0.84	986	1.41	0.40	7.3	2.2	600
R499758		4.91	15.85	0.14	1.2	0.262	3.22	21.3	21.6	0.54	1120	1.49	0.04	5.7	2.2	540
R499759		2.64	15.90	0.17	1.4	0.023	3.36	21.8	35.0	0.66	1040	1.41	0.35	7.4	2.3	560
R499760		2.75	15.90	0.16	1.4	0.020	3.38	22.5	34.6	0.67	965	1.02	0.41	7.7	2.3	590
R499761		3.69	12.05	0.17	1.3	0.134	3.29	20.3	7.9	0.48	1200	1.53	0.08	6.2	2.0	500
R499762		2.70	16.10	0.17	1.6	0.033	3.21	20.5	65.0	0.66	720	1.36	0.82	8.3	1.9	610
R499763		4.83	15.20	0.17	1.1	0.335	2.83	29.0	26.7	0.76	1920	14.20	0.16	6.2	14.4	530
R499764		3.29	15.65	0.15	1.4	0.063	3.08	22.6	18.8	0.63	1540	2.12	0.05	8.0	2.7	590
R499765		3.13	15.80	0.14	1.3	0.108	2.79	22.1	74.0	0.68	1680	1.75	0.09	7.9	2.3	580
R499766		2.90	17.05	0.17	1.5	0.039	2.85	29.9	13.3	0.81	661	1.79	2.36	8.8	2.6	610
R499767		3.12	15.55	0.16	1.3	0.089	3.47	19.3	9.9	0.49	2700	1.45	0.13	7.6	2.0	590
R499768		2.92	16.60	0.17	1.5	0.052	2.85	26.7	12.3	0.73	816	1.37	2.20	8.8	2.6	610
R499769		2.95	16.20	0.16	1.5	0.048	2.77	22.5	13.3	0.72	810	1.21	2.15	8.3	2.3	610
R499770		2.84	15.40	0.15	1.3	0.045	2.81	20.3	11.1	0.69	673	0.99	2.27	8.1	2.5	610
R499771		6.66	14.90	0.16	1.1	0.843	2.86	24.3	19.5	0.78	1880	9.31	0.13	6.4	11.9	550
R499772		2.84	15.85	0.15	1.5	0.165	2.95	22.5	31.3	1.03	779	1.06	0.86	7.9	2.5	610
R499773		2.75	15.00	0.15	1.3	0.079	2.82	21.3	16.2	0.72	690	0.98	1.70	7.8	2.3	600
R499774		3.12	15.05	0.17	1.3	0.060	3.72	22.3	15.4	0.78	573	2.00	1.26	7.4	2.2	600
R499775		2.78	15.55	0.15	1.4	0.076	2.95	23.0	15.8	0.81	859	1.11	1.48	8.0	2.3	600
R499776		2.76	15.80	0.15	1.3	0.074	2.94	23.0	16.1	0.77	808	1.19	1.53	8.1	2.4	610
R499777		2.89	15.75	0.17	1.4	0.051	2.93	24.4	9.8	0.76	679	1.25	2.23	8.0	2.5	610
R499778		3.12	16.35	0.18	1.3	0.058	3.71	25.1	75.6	0.72	1200	1.64	0.22	8.0	2.2	660
R499779		2.67	18.70	0.18	3.7	0.093	3.88	26.0	32.6	0.85	1030	15.45	0.08	10.7	4.4	850
R499780		3.13	17.20	0.15	1.2	0.050	2.95	21.6	19.3	0.71	613	0.97	1.72	8.9	2.5	700
R499781		3.47	15.10	0.16	1.1	0.082	2.52	30.2	65.5	1.13	1660	2.61	0.06	7.3	2.5	590
R499782		0.50	0.28	0.15	<0.1	0.005	0.04	0.7	1.4	13.25	235	0.15	0.01	0.2	2.1	180
R499783		4.00	16.70	0.18	1.4	0.064	3.18	20.6	46.6	0.75	1260	1.42	0.18	8.6	2.4	660
R499784		3.37	13.80	0.16	1.1	0.080	2.72	25.4	39.0	1.27	1890	6.42	0.05	6.7	2.0	540

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 27-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15102117

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
R499749		156.0	197.5	<0.002	2.93	8.95	9.8	1	2.0	90.2	0.53	2.12	11.1	0.250	2.57	3.6
R499750		519	204	<0.002	4.31	44.7	9.9	2	2.2	65.5	0.49	0.87	7.6	0.269	2.52	3.4
R499751		21.0	111.0	<0.002	0.03	1.62	10.2	1	1.5	362	0.73	<0.05	14.1	0.241	1.31	5.7
R499752		17.8	112.5	<0.002	0.45	2.17	10.8	1	1.5	354	0.66	0.13	12.5	0.255	1.22	3.8
R499753		20.7	119.5	<0.002	1.14	3.08	10.3	1	1.7	500	0.56	0.55	10.7	0.251	1.55	3.8
R499754		2060	152.5	<0.002	1.45	11.75	10.4	1	2.2	367	0.53	0.31	12.0	0.244	2.19	3.7
R499755		2.9	1.1	<0.002	<0.01	0.09	0.2	<1	<0.2	51.5	<0.05	<0.05	<0.2	<0.005	0.02	0.7
R499756		24.7	148.5	<0.002	0.95	5.57	11.4	1	1.7	415	0.68	0.38	11.7	0.257	1.96	3.9
R499757		90.0	167.5	<0.002	1.49	8.57	10.0	1	1.3	266	0.60	0.64	11.7	0.237	2.89	4.0
R499758		1595	217	<0.002	4.75	15.45	9.1	1	6.4	57.7	0.50	0.55	14.0	0.193	3.13	5.1
R499759		19.7	148.5	<0.002	0.70	7.32	9.4	1	1.3	208	0.68	0.19	12.5	0.227	2.84	4.3
R499760		19.0	150.0	<0.002	0.71	6.72	9.8	1	1.3	225	0.69	0.28	12.8	0.237	2.71	4.6
R499761		1015	151.5	<0.002	3.38	8.09	7.9	1	2.0	66.2	0.58	0.51	11.5	0.204	1.99	3.8
R499762		20.4	127.0	<0.002	0.24	6.46	10.2	<1	1.7	243	0.79	0.05	12.7	0.247	2.13	4.3
R499763		462	163.5	0.003	2.70	30.4	9.5	1	5.9	112.0	0.53	0.33	12.6	0.199	2.57	5.4
R499764		156.5	149.0	<0.002	1.80	13.80	9.8	1	2.2	86.4	0.72	0.21	13.4	0.233	3.72	5.1
R499765		1895	122.5	<0.002	1.43	14.05	9.8	1	2.6	95.6	0.72	0.07	12.7	0.240	2.44	4.8
R499766		23.4	127.0	<0.002	0.02	1.68	11.5	1	1.6	384	0.77	<0.05	16.8	0.253	1.38	5.0
R499767		1485	161.5	<0.002	1.62	9.81	9.6	1	3.3	73.3	0.69	0.08	12.4	0.231	3.00	3.4
R499768		70.0	127.0	<0.002	0.09	2.34	11.2	<1	1.6	357	0.78	<0.05	15.7	0.255	1.47	4.9
R499769		71.1	116.0	<0.002	0.06	2.65	10.6	1	1.7	357	0.75	<0.05	13.4	0.252	1.47	4.7
R499770		48.8	106.5	<0.002	0.08	2.61	9.9	1	1.6	374	0.70	0.13	11.3	0.252	1.37	4.0
R499771		1340	168.5	<0.002	4.78	67.7	9.4	2	8.2	99.1	0.55	1.10	12.2	0.209	2.68	5.7
R499772		376	131.5	<0.002	0.60	8.45	9.5	1	1.8	237	0.69	0.17	11.8	0.248	2.24	5.0
R499773		171.0	122.5	<0.002	0.37	4.97	9.7	1	1.6	325	0.69	0.08	12.3	0.249	1.73	4.1
R499774		57.0	181.5	<0.002	1.96	3.74	9.8	1	1.5	277	0.66	0.43	12.0	0.238	2.45	4.9
R499775		60.7	129.0	<0.002	0.31	5.03	10.3	1	1.6	287	0.70	0.07	12.7	0.247	1.80	4.3
R499776		76.1	126.5	<0.002	0.26	4.91	10.5	1	1.8	292	0.72	0.05	12.6	0.246	1.78	4.3
R499777		30.8	123.5	<0.002	0.10	3.46	10.2	1	1.7	371	0.71	<0.05	13.4	0.256	1.59	4.4
R499778		201	166.5	<0.002	0.57	13.30	11.5	1	2.3	146.5	0.67	0.08	14.0	0.272	2.81	4.0
R499779		238	183.5	<0.002	0.47	44.6	9.0	1	2.0	215	0.80	0.06	10.3	0.319	4.23	14.4
R499780		62.3	123.5	<0.002	0.06	5.22	11.7	1	1.9	324	0.71	<0.05	13.0	0.287	1.59	3.8
R499781		593	125.0	<0.002	0.29	21.9	10.6	<1	2.1	119.0	0.61	<0.05	13.9	0.243	2.04	4.4
R499782		2.7	1.8	<0.002	<0.01	0.11	0.2	<1	<0.2	49.6	<0.05	<0.05	0.2	<0.005	0.02	0.6
R499783		114.5	131.0	<0.002	0.31	10.80	11.0	1	2.0	131.0	0.72	<0.05	13.1	0.278	2.16	4.6
R499784		474	161.0	<0.002	2.01	33.3	9.4	1	3.6	205	0.57	<0.05	12.1	0.218	2.96	5.1

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
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www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 27-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15102117

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	V	W	Y	Zn	Zr
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	1	0.1	0.1	2	0.5
R499749		67	5.9	13.4	459	58.5
R499750		74	4.0	12.7	2600	78.1
R499751		64	0.9	17.5	47	36.8
R499752		71	2.7	16.9	41	31.4
R499753		68	2.8	14.2	50	26.7
R499754		67	2.4	14.7	3590	32.6
R499755		2	0.1	0.8	22	<0.5
R499756		73	5.9	15.1	68	36.1
R499757		68	3.0	13.9	289	32.1
R499758		61	7.2	8.2	1540	33.0
R499759		65	2.0	13.1	529	38.5
R499760		68	1.8	13.6	405	39.0
R499761		56	3.5	10.3	2620	37.2
R499762		69	2.3	16.1	180	44.0
R499763		67	5.7	12.8	896	33.2
R499764		65	6.7	13.6	523	40.8
R499765		66	3.9	14.7	1940	37.9
R499766		70	1.4	19.7	57	42.4
R499767		66	2.5	12.4	2450	36.8
R499768		70	1.6	18.7	169	42.4
R499769		71	5.6	17.2	110	41.7
R499770		71	5.7	15.6	80	37.9
R499771		66	6.0	12.2	2480	31.9
R499772		68	5.4	15.7	477	47.3
R499773		68	4.2	15.5	260	40.4
R499774		68	3.9	15.1	74	37.3
R499775		69	4.4	16.4	140	37.7
R499776		71	4.4	16.3	115	37.8
R499777		72	3.6	16.6	53	38.1
R499778		76	7.3	16.7	421	34.9
R499779		82	10.3	17.2	415	140.5
R499780		80	2.6	16.6	161	34.4
R499781		70	6.7	17.6	1420	32.2
R499782		2	0.1	0.9	21	0.5
R499783		77	2.6	15.5	187	38.6
R499784		61	6.2	14.2	700	33.2

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: KLAZA

Finalized Date: 27-JUL-2015
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH15102117

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	ME-MS61

ALS Canada Ltd.

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 25-JUL-2015
This copy reported on
13-AUG-2015
Account: ROCKHA

CERTIFICATE WH15102118

Project: KLAZA

P.O. No.: BATCH 45

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 13-JUL-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21d	Sample logging - ClientBarCode Dup
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
BAG-06	Double Bagging Coarse Rejects
SPL-21d	Split sample - duplicate
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31d	Pulverize Split - duplicate

ANALYTICAL PROCEDURES

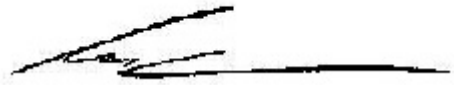
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Comments: ***Corrected copy for Au-AA24 and ME-MS61 on samples R610089 and R610090.***

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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To: **ROCKHAVEN RESOURCES LTD.**
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VANCOUVER BC V6B 1L8

Finalized Date: 25-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15102118

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
R610083		2.71	0.005	0.17	6.83	106.5	940	1.44	0.11	4.37	0.51	46.6	9.0	8	20.9	8.6
R610084		5.39	<0.005	0.05	6.98	6.9	1580	1.54	1.75	2.47	0.06	46.6	7.7	9	22.7	8.6
R610085		4.56	<0.005	0.28	8.14	8.6	1540	1.20	33.7	6.90	0.36	71.7	11.9	10	13.10	3.4
R610086		2.08	<0.005	0.15	8.23	9.7	2040	1.22	31.3	7.58	0.32	85.9	11.0	10	13.70	2.5
R610087		3.81	0.018	0.83	7.29	110.0	1300	1.75	13.25	3.35	0.26	53.0	10.9	7	32.2	14.1
R610088		4.03	0.017	0.72	7.87	60.8	1290	1.64	4.29	4.12	0.27	47.7	18.1	7	15.85	19.1
R610089		0.30	0.400	4.70	6.93	742	1140	1.47	3.40	2.08	10.50	50.6	12.6	25	14.25	318
R610090		3.33	0.055	3.57	10.90	108.5	2550	2.09	18.45	4.79	0.50	30.8	9.3	6	29.3	7.4
R610091		4.48	0.005	1.12	6.69	13.8	1020	1.39	47.6	2.35	0.43	41.5	10.9	10	9.89	16.0
R610092		5.27	<0.005	0.27	7.34	50.3	1530	1.42	0.33	3.30	0.30	46.2	7.8	7	26.9	14.1
R610093		3.63	<0.005	0.11	7.13	5.6	2160	1.57	0.26	2.58	0.12	40.1	8.2	10	16.35	15.7
R610094		1.17	0.026	0.46	6.61	204	1510	1.21	0.34	3.05	0.73	35.1	7.3	7	14.35	13.9
R610095		3.94	<0.005	0.13	6.81	4.1	1960	1.44	0.23	2.78	0.10	40.5	7.9	11	9.97	21.9
R610096		6.98	0.005	0.18	7.36	10.3	2080	1.44	0.25	2.96	0.10	42.7	8.6	11	18.05	38.1
R610097		<0.02	0.006	0.26	7.02	11.0	2000	1.41	0.25	2.91	0.12	46.7	8.5	10	18.30	46.3
R610098		3.55	0.018	1.12	8.03	171.0	970	1.58	0.34	1.99	0.31	48.1	8.4	10	19.65	41.4
R610099		6.89	<0.005	0.15	7.40	6.3	2050	1.24	0.15	2.57	0.19	47.4	7.8	10	15.15	30.9
R610100		1.29	0.019	2.74	7.22	259	5810	1.43	0.14	3.44	4.12	59.1	8.2	8	22.7	18.0
R610101		5.11	<0.005	0.03	0.10	0.4	40	0.06	0.04	20.3	0.06	1.39	1.0	1	0.26	2.2
R610102		5.50	0.005	0.25	6.74	48.8	1530	1.52	0.13	2.48	0.44	46.3	8.0	9	20.3	17.6
R610103		7.29	<0.005	0.10	7.04	3.7	1930	1.49	0.14	3.61	0.13	53.4	8.6	11	14.05	14.3
R610104		0.31	0.860	11.15	6.65	1580	1290	1.41	11.20	1.86	31.1	45.2	18.8	19	14.15	284
R610105		5.42	0.009	1.33	6.42	65.1	1660	1.46	0.23	2.61	1.33	40.0	8.0	9	15.60	26.3
R610106		1.65	0.136	2.52	6.14	1105	730	1.32	0.48	1.76	4.47	34.8	9.7	8	11.30	14.0
R610107		4.88	<0.005	0.03	0.09	0.6	20	0.08	0.04	20.7	0.07	1.35	1.0	1	0.39	3.4
R610108		4.31	0.022	1.27	7.26	252	1740	1.52	0.40	3.04	1.51	50.0	7.8	10	21.0	36.6
R610109		3.15	0.005	0.24	7.37	6.1	1910	1.43	0.35	2.69	0.13	45.3	7.7	11	22.3	100.0
R610110		1.32	0.041	1.92	6.46	363	470	1.44	0.68	2.17	1.32	43.0	7.7	7	19.70	153.0
R610111		1.18	0.012	0.68	6.03	95.3	570	1.29	0.51	1.21	0.39	32.8	2.3	5	12.85	45.3
R610112		2.63	0.063	3.15	6.92	655	580	1.53	0.82	2.93	2.31	38.6	8.5	9	18.40	55.2
R610113		4.24	0.042	1.86	5.95	313	420	1.42	0.46	2.74	1.90	40.8	9.4	10	16.80	24.5
R610114		3.17	0.006	0.43	7.51	68.4	1310	1.73	0.16	2.38	0.98	55.6	8.8	10	36.3	28.2
R610115		4.54	0.006	0.17	6.86	15.1	1750	1.39	0.16	2.80	0.17	57.9	8.4	12	22.1	25.0
R610116		6.49	<0.005	0.10	7.30	4.9	1950	1.45	0.12	2.84	0.14	53.9	8.8	11	18.05	14.0
R610117		9.44	<0.005	0.10	7.24	2.6	1980	1.45	0.10	2.78	0.14	53.1	8.6	12	8.80	15.1
R610118		11.52	0.005	0.25	7.61	32.2	2130	1.44	0.14	2.48	0.18	48.9	8.8	11	14.85	51.8

Comments: ***Corrected copy for Au-AA24 and ME-MS61 on samples R610089 and R610090.***

***** See Appendix Page for comments regarding this certificate *****

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 25-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15102118

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
R610083		3.37	14.60	0.16	1.1	0.043	2.43	24.5	53.3	1.38	2100	3.17	0.42	6.6	3.0	600
R610084		3.23	15.85	0.15	1.2	0.062	2.10	23.4	30.5	0.76	765	6.03	1.78	7.6	2.4	630
R610085		6.70	25.7	0.12	1.2	0.492	1.07	39.2	20.6	1.13	2810	0.17	1.01	10.2	3.2	760
R610086		6.81	27.3	0.13	1.3	0.641	1.04	46.1	19.5	1.04	2860	0.17	1.05	11.2	2.9	870
R610087		3.96	17.15	0.11	1.0	0.215	2.33	28.0	42.3	1.03	1840	0.12	0.04	7.4	2.7	610
R610088		3.46	18.90	0.13	1.3	0.169	2.32	23.7	52.8	1.32	1810	0.33	0.07	7.8	2.3	620
R610089		5.15	15.85	0.12	1.1	0.316	3.07	28.8	28.3	0.79	1910	14.10	0.16	6.2	15.0	540
R610090		4.96	37.7	0.17	1.1	0.807	4.52	15.1	11.7	1.65	3750	0.73	0.15	6.5	2.3	580
R610091		3.37	15.35	0.11	1.1	0.212	2.35	19.8	28.2	0.73	2010	0.31	1.30	8.0	2.6	630
R610092		3.09	15.35	0.13	1.0	0.088	2.97	23.6	51.2	1.07	1860	2.88	0.04	7.2	2.1	610
R610093		3.41	16.15	0.13	1.1	0.072	2.87	19.4	52.7	0.78	1000	1.91	1.67	7.5	2.6	630
R610094		3.70	13.95	0.12	0.9	0.130	3.08	18.3	23.7	1.05	2290	2.00	0.11	6.1	2.1	530
R610095		3.12	15.75	0.09	1.1	0.048	2.47	19.7	19.1	0.84	671	2.18	2.08	7.4	2.6	600
R610096		3.46	16.55	0.14	0.9	0.082	2.87	20.9	18.9	0.89	1340	1.30	1.44	7.6	2.6	660
R610097		3.41	16.10	0.14	1.0	0.081	2.80	23.5	17.8	0.86	1320	1.21	1.41	7.5	2.6	650
R610098		3.98	16.70	0.12	0.9	0.237	3.30	25.1	37.9	0.91	3320	1.34	0.05	7.4	2.4	640
R610099		3.12	17.40	0.12	1.1	0.057	2.59	23.9	31.7	0.55	845	1.19	0.66	8.2	2.4	720
R610100		3.79	15.25	0.16	0.9	0.424	3.20	32.7	28.3	1.23	3690	0.82	0.05	6.8	2.3	610
R610101		0.49	0.36	0.09	<0.1	<0.005	0.03	0.7	1.2	12.60	230	0.39	0.01	0.2	1.1	160
R610102		3.03	16.30	0.19	1.0	0.063	2.54	23.3	51.9	0.78	1430	0.85	1.08	7.4	2.4	620
R610103		3.35	16.35	0.19	1.0	0.066	2.66	26.8	15.0	0.87	1100	0.71	1.90	7.7	2.7	660
R610104		6.71	15.35	0.11	1.0	0.812	2.97	23.4	20.1	0.78	1800	8.76	0.13	6.4	12.5	530
R610105		3.28	15.90	0.13	0.9	0.108	3.60	19.7	27.1	0.68	2920	1.27	0.18	7.1	2.3	590
R610106		4.06	13.70	0.09	0.7	0.195	2.81	19.0	20.5	0.72	4520	1.33	0.02	5.7	2.8	460
R610107		0.50	0.34	0.07	<0.1	<0.005	0.04	0.7	1.2	12.80	244	0.12	0.01	0.2	1.2	180
R610108		3.69	16.20	0.15	1.0	0.099	3.33	25.8	24.6	0.88	3500	1.16	0.33	7.5	2.6	650
R610109		3.56	15.80	0.14	1.0	0.051	2.56	23.2	41.8	0.76	758	1.49	1.59	7.8	2.5	670
R610110		3.13	13.50	0.11	1.2	0.064	2.71	23.7	65.6	0.78	3500	1.51	0.05	6.8	2.0	470
R610111		1.26	11.50	0.14	2.6	0.021	2.62	17.7	129.5	0.43	926	2.28	0.05	5.6	0.7	50
R610112		3.69	15.20	0.11	1.0	0.106	2.86	21.0	54.0	0.96	3670	2.56	0.03	7.8	2.5	540
R610113		4.16	13.25	0.10	0.8	0.148	2.49	22.8	25.9	1.04	4270	1.20	0.02	6.0	2.6	480
R610114		3.86	17.45	0.13	1.2	0.135	3.24	28.3	43.7	0.79	2350	0.87	0.46	8.1	3.1	760
R610115		3.56	15.90	0.13	1.0	0.156	2.91	32.3	35.9	0.85	1660	0.83	1.14	7.5	2.7	620
R610116		3.30	16.75	0.16	1.1	0.072	2.72	28.0	12.7	0.85	1050	1.70	2.02	7.8	2.7	630
R610117		3.22	15.95	0.16	1.0	0.038	2.49	27.7	16.2	1.02	766	1.34	2.30	7.7	2.9	610
R610118		3.39	16.85	0.17	1.1	0.065	2.88	24.9	28.6	0.84	1240	3.06	1.06	8.3	2.7	670

Comments: ***Corrected copy for Au-AA24 and ME-MS61 on samples R610089 and R610090.***

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 25-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15102118

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
R610083		46.0	104.0	0.003	0.21	16.10	11.1	1	1.3	208	0.45	<0.05	10.3	0.249	2.10	21.5
R610084		14.0	92.4	0.003	0.01	4.32	12.0	1	3.0	367	0.58	<0.05	13.6	0.277	1.14	3.1
R610085		37.2	50.8	0.002	0.03	13.20	16.3	2	6.1	950	0.68	0.12	18.0	0.357	0.70	4.9
R610086		39.6	50.9	0.002	0.05	14.00	19.6	1	7.0	1055	0.77	0.05	21.6	0.393	0.73	5.9
R610087		14.5	125.5	0.003	0.79	8.94	12.3	1	4.7	186.5	0.55	0.13	12.0	0.273	1.77	2.9
R610088		13.8	93.3	0.002	0.57	13.30	13.1	1	2.8	188.0	0.62	0.09	13.9	0.285	1.89	3.0
R610089		470	167.0	0.006	2.84	27.0	9.6	1	5.5	113.0	0.49	0.33	12.0	0.215	2.33	4.8
R610090		25.9	193.0	0.002	1.69	8.54	14.0	1	10.0	193.5	0.52	0.92	11.0	0.255	2.51	3.2
R610091		21.7	109.5	0.002	0.15	4.44	13.1	2	2.2	166.0	0.60	0.83	11.9	0.291	1.51	2.3
R610092		21.6	147.5	0.003	0.31	12.60	11.9	1	1.9	253	0.53	<0.05	12.5	0.271	2.54	4.0
R610093		20.5	121.0	0.002	0.07	3.19	12.8	1	1.9	357	0.55	<0.05	11.1	0.283	1.37	3.4
R610094		43.2	171.5	0.002	1.20	10.35	10.5	1	2.0	144.5	0.44	<0.05	10.4	0.231	2.31	3.5
R610095		15.7	99.1	0.002	0.04	1.42	12.3	1	2.0	387	0.54	<0.05	11.3	0.283	0.99	3.3
R610096		18.5	117.0	0.003	0.18	13.75	12.8	1	1.7	342	0.53	<0.05	11.2	0.300	1.44	3.2
R610097		18.4	122.0	0.003	0.20	14.40	13.5	1	1.5	328	0.52	<0.05	13.0	0.297	1.39	3.5
R610098		45.9	183.0	0.002	0.74	28.0	12.1	1	1.8	145.5	0.53	<0.05	11.6	0.290	2.66	3.2
R610099		22.5	101.0	0.002	0.03	13.50	14.1	1	2.3	233	0.59	<0.05	13.4	0.318	1.13	2.8
R610100		41.1	188.5	0.003	0.76	19.95	11.7	1	1.6	237	0.49	<0.05	12.7	0.267	2.66	3.1
R610101		1.5	1.6	0.002	<0.01	0.10	0.3	<1	<0.2	49.7	<0.05	<0.05	<0.2	<0.005	0.02	0.5
R610102		28.5	115.0	0.002	0.19	9.06	13.3	1	1.7	280	0.55	<0.05	13.8	0.280	1.48	3.5
R610103		23.9	111.0	0.003	0.03	2.80	14.2	1	1.7	468	0.56	<0.05	14.9	0.295	1.14	4.3
R610104		1240	167.5	0.003	4.76	64.3	9.8	2	7.7	98.2	0.51	1.05	11.4	0.213	2.43	4.7
R610105		88.6	165.0	0.002	0.45	15.45	13.3	1	1.7	160.5	0.50	<0.05	11.1	0.271	2.61	3.3
R610106		605	188.0	0.003	2.59	38.3	9.5	1	1.8	83.7	0.42	<0.05	9.5	0.217	2.82	3.3
R610107		2.1	2.2	0.002	<0.01	0.09	0.2	<1	<0.2	49.5	<0.05	<0.05	<0.2	<0.005	0.02	0.4
R610108		106.5	150.0	0.003	0.52	17.80	13.4	1	1.9	216	0.55	<0.05	15.0	0.292	2.28	4.1
R610109		18.2	95.0	0.003	0.02	7.93	13.2	1	1.8	378	0.59	<0.05	12.9	0.305	1.04	3.3
R610110		124.0	142.5	0.003	0.95	81.1	9.0	1	1.5	152.0	0.67	0.07	14.6	0.215	2.13	5.8
R610111		49.8	128.0	0.003	0.44	26.8	1.7	1	0.8	124.5	1.87	0.05	33.2	0.031	1.68	16.4
R610112		208	148.0	0.003	1.50	49.2	11.2	1	1.7	154.0	0.51	<0.05	11.5	0.251	2.51	4.0
R610113		236	147.5	0.004	1.37	32.9	10.1	1	1.8	130.0	0.44	<0.05	11.0	0.218	2.26	3.8
R610114		72.3	146.5	0.003	0.31	12.75	17.5	1	2.2	267	0.59	<0.05	14.0	0.334	2.26	4.3
R610115		30.7	129.5	0.002	0.18	6.18	14.4	1	1.8	300	0.54	<0.05	15.0	0.280	1.81	4.1
R610116		27.4	106.0	0.003	0.04	2.12	13.8	1	1.7	391	0.59	<0.05	14.7	0.290	1.24	4.2
R610117		18.1	88.8	0.002	0.01	0.51	13.1	1	1.5	437	0.57	<0.05	13.9	0.290	0.85	4.1
R610118		27.2	113.0	0.002	0.14	8.71	13.9	1	1.8	329	0.67	<0.05	14.8	0.303	1.31	4.3

Comments: ***Corrected copy for Au-AA24 and ME-MS61 on samples R610089 and R610090.***

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 25-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15102118

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	V	W	Y	Zn	Zr
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	1	0.1	0.1	2	0.5
R610083		76	4.0	20.0	110	35.1
R610084		76	3.2	15.1	77	36.9
R610085		135	2.0	19.3	343	34.8
R610086		148	2.2	23.8	330	37.0
R610087		82	3.8	13.4	202	30.3
R610088		93	4.4	14.5	154	37.9
R610089		68	5.4	12.6	877	32.6
R610090		234	11.1	16.4	153	31.7
R610091		74	2.8	11.3	256	30.5
R610092		76	5.4	15.8	79	29.0
R610093		82	1.4	15.6	67	32.5
R610094		70	5.2	12.6	142	25.6
R610095		81	4.4	15.4	54	31.5
R610096		85	2.9	15.8	77	26.1
R610097		85	2.9	16.3	76	27.3
R610098		82	6.7	15.0	118	25.8
R610099		93	3.2	18.0	78	30.1
R610100		79	4.9	16.8	861	25.6
R610101		2	0.1	0.9	19	<0.5
R610102		81	2.2	16.6	104	28.0
R610103		85	1.2	20.1	82	28.9
R610104		64	5.8	11.9	2420	30.4
R610105		79	3.7	16.1	191	26.2
R610106		66	6.6	8.7	446	20.5
R610107		2	0.1	0.8	18	0.6
R610108		84	3.8	18.4	202	29.0
R610109		87	1.5	16.4	74	26.9
R610110		64	2.8	18.1	117	28.2
R610111		6	1.2	13.3	46	51.9
R610112		75	7.3	15.0	227	26.7
R610113		66	6.6	14.0	200	22.2
R610114		112	3.5	18.7	149	29.6
R610115		83	3.1	19.8	88	28.2
R610116		83	1.6	18.6	74	28.2
R610117		83	1.2	18.3	66	28.4
R610118		87	8.2	17.8	88	29.7

Comments: ***Corrected copy for Au-AA24 and ME-MS61 on samples R610089 and R610090.***

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: KLAZA

Finalized Date: 25-JUL-2015
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH15102118

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	ME-MS61

ALS Canada Ltd.

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 27-JUL-2015
Account: ROCKHA

CERTIFICATE WH15102119

Project: KLAZA

P.O. No.: BATCH 46

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 13-JUL-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21d	Sample logging - ClientBarCode Dup
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
BAG-06	Double Bagging Coarse Rejects
SPL-21d	Split sample - duplicate
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31d	Pulverize Split - duplicate

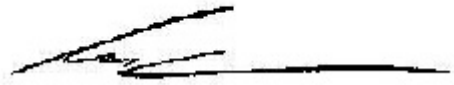
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.

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VANCOUVER BC V6B 1L8

Finalized Date: 27-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15102119

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
R610119		2.27	<0.005	0.12	6.29	12.1	2540	1.25	0.26	7.08	0.17	41.7	7.5	10	17.60	20.5
R610120		7.67	<0.005	0.10	7.01	7.4	2040	1.44	0.23	2.86	0.12	39.9	8.4	11	12.15	26.0
R610121		7.60	<0.005	0.21	7.08	13.7	1490	1.38	0.22	2.83	0.15	40.5	9.9	10	19.95	47.9
R610122		3.46	<0.005	0.18	7.34	11.7	1640	1.43	0.28	2.12	0.12	45.3	9.3	10	19.20	60.2
R610123		5.00	<0.005	0.10	7.05	2.2	2100	1.50	0.10	2.71	0.08	46.4	8.8	12	8.95	22.0
R610124		4.40	<0.005	0.06	7.11	2.5	2010	1.58	0.16	2.96	0.09	46.6	8.5	12	9.36	9.0
R610125		0.30	0.363	4.68	6.73	724	1090	1.47	3.56	2.10	11.30	46.6	12.4	22	14.00	304
R610126		7.68	0.014	0.39	6.81	228	1130	1.46	0.15	2.88	0.12	48.1	7.6	10	17.90	12.6
R610127		7.46	<0.005	0.08	6.84	3.3	1950	1.59	0.12	2.87	0.07	42.1	8.5	11	9.20	10.6
R610128		<0.02	<0.005	0.07	7.15	3.3	2000	1.59	0.11	2.97	0.10	46.4	8.8	11	9.30	10.4
R610129		5.08	<0.005	0.20	7.71	41.6	1520	1.59	0.19	2.53	0.21	50.8	10.1	10	24.0	10.0
R610130		3.89	0.019	0.39	6.86	158.5	1960	1.42	0.29	3.56	0.56	50.9	9.7	8	17.35	11.1
R610131		5.51	<0.005	0.01	0.09	0.3	30	0.07	0.05	20.8	0.08	1.30	0.9	1	0.38	1.5
R610132		2.91	<0.005	0.14	7.79	20.9	1700	1.26	0.16	2.11	0.11	51.9	9.5	8	20.6	10.0
R610133		6.03	<0.005	0.06	7.01	3.7	2080	1.46	0.08	2.91	0.09	44.3	8.6	11	14.95	9.2
R610134		2.34	<0.005	0.57	6.46	140.0	1620	1.41	0.63	3.68	0.95	41.0	9.0	7	24.3	51.1
R610135		2.94	<0.005	0.18	7.20	19.2	1920	1.54	0.50	2.73	0.16	43.6	8.3	9	21.6	37.5
R610136		3.67	0.011	0.75	7.72	23.4	2160	1.52	2.41	3.04	0.23	50.1	9.0	10	10.05	227
R610137		1.54	0.046	1.54	7.50	213	1520	1.29	3.23	2.29	0.45	44.1	10.6	8	16.05	337
R610138		3.82	0.009	1.21	6.83	99.0	980	1.52	1.51	2.90	0.58	42.0	8.1	11	23.4	177.5
R610139		0.30	0.849	11.60	6.41	1515	1110	1.38	11.90	1.84	32.3	42.9	17.1	18	13.65	269
R610140		1.54	0.043	1.21	5.68	189.0	640	1.18	0.79	5.48	2.47	38.1	9.1	6	12.85	97.7
R610141		12.39	<0.005	0.26	7.09	20.0	1640	1.26	0.37	3.21	2.48	48.2	8.3	8	16.55	36.6
R610142		4.81	0.005	0.41	7.42	51.6	1600	1.39	0.57	2.61	0.34	45.6	7.9	8	17.75	22.6
R610143		1.26	<0.005	0.18	5.99	31.8	690	1.36	0.16	3.23	0.35	48.0	5.8	9	18.95	10.8
R610144		4.69	<0.005	0.01	0.10	<0.2	30	0.06	0.05	20.2	0.08	1.36	1.0	1	0.27	1.7
R610145		3.00	<0.005	0.16	7.77	12.0	1610	1.39	0.19	1.92	0.18	44.7	7.4	8	19.85	18.1
R610146		3.66	0.025	2.28	7.33	499	1590	1.33	17.85	2.90	1.27	48.7	9.2	9	15.80	185.5
R610147		3.97	0.017	2.66	7.00	308	1100	1.63	7.33	2.44	4.86	46.7	8.9	9	18.65	145.5
R610148		6.89	0.015	3.15	6.93	149.5	1560	1.25	50.6	2.65	1.18	39.0	9.0	10	11.40	335
R610149		4.34	0.015	1.59	7.52	118.5	1350	1.38	5.58	1.77	1.48	45.7	7.8	8	23.4	245
R610150		1.52	0.026	5.19	7.12	280	1370	1.47	8.66	2.96	1.08	50.5	8.8	8	19.95	104.5
R610151		2.46	0.021	3.37	6.06	197.5	2040	1.32	1.22	4.46	2.74	40.5	6.8	6	16.45	44.0
R610152		3.26	0.008	0.47	7.15	186.0	1740	1.51	0.38	3.19	0.66	47.6	8.3	8	19.65	19.7
R610153		8.95	<0.005	0.34	6.85	58.7	1730	1.48	0.64	2.63	0.36	43.7	8.3	9	21.7	38.0
R610154		3.00	<0.005	0.20	7.50	13.9	1800	1.76	0.95	2.62	0.17	48.7	9.1	10	20.2	40.8

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 27-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15102119

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
R610119		2.72	13.20	0.13	1.0	0.033	2.18	23.2	33.1	1.12	1120	3.07	0.22	6.1	8.5	520
R610120		3.11	16.60	0.15	1.1	0.046	2.42	19.6	34.3	0.81	642	3.55	1.54	7.9	3.3	630
R610121		2.89	15.80	0.15	1.1	0.040	2.47	20.6	49.4	0.78	766	2.62	0.66	7.4	2.4	620
R610122		3.03	17.20	0.17	1.1	0.049	2.55	22.9	34.8	0.75	660	3.49	0.77	7.8	3.0	640
R610123		3.08	16.65	0.16	1.2	0.042	2.44	23.2	16.6	0.88	621	2.29	2.11	7.7	2.8	640
R610124		3.19	16.90	0.15	1.2	0.041	2.53	23.3	15.3	0.91	679	9.90	2.18	7.9	3.0	630
R610125		5.02	16.30	0.17	1.1	0.315	2.96	25.9	28.1	0.78	1870	14.30	0.15	6.1	14.3	520
R610126		3.18	15.45	0.18	1.1	0.174	3.15	25.3	25.2	0.87	2260	6.19	0.59	7.0	2.3	580
R610127		3.17	16.55	0.16	1.1	0.057	2.45	20.4	17.0	0.84	784	1.86	1.93	7.7	2.8	620
R610128		3.21	17.20	0.17	1.2	0.061	2.52	23.4	18.0	0.90	803	1.59	1.96	7.9	2.8	630
R610129		3.46	17.65	0.20	1.2	0.124	3.29	26.4	40.1	0.91	1990	0.89	0.30	7.8	2.8	660
R610130		4.10	15.30	0.23	1.0	0.242	3.21	28.5	33.8	1.33	3360	1.46	0.06	6.7	2.6	560
R610131		0.50	0.27	0.08	<0.1	0.011	0.04	0.7	1.2	12.85	229	0.08	0.01	0.2	1.5	170
R610132		3.36	17.40	0.19	1.3	0.077	2.89	27.4	33.6	0.92	1340	8.75	0.42	8.0	2.7	670
R610133		3.06	16.60	0.14	1.2	0.033	2.43	22.4	20.5	0.89	664	7.12	2.06	7.6	2.6	630
R610134		2.79	14.25	0.14	1.0	0.047	2.52	21.7	55.7	1.28	1400	4.36	0.06	6.3	2.4	540
R610135		2.97	16.90	0.18	1.2	0.059	2.74	21.7	92.2	0.80	709	0.90	1.48	7.7	2.4	650
R610136		3.32	16.60	0.21	1.1	0.049	2.64	27.6	14.6	0.92	712	1.73	2.08	7.7	3.1	660
R610137		3.71	16.00	0.17	1.1	0.126	3.08	22.8	27.8	0.71	1740	19.10	0.31	7.5	2.8	640
R610138		2.54	16.05	0.17	1.1	0.066	2.83	21.6	119.5	0.81	1760	4.87	0.12	7.2	2.5	630
R610139		6.37	15.20	0.16	1.1	0.765	2.79	22.9	19.5	0.76	1740	8.23	0.12	6.0	11.8	520
R610140		4.46	12.80	0.16	0.9	0.181	2.69	21.2	32.3	1.42	3520	2.11	0.04	5.3	2.1	450
R610141		3.34	15.20	0.15	1.1	0.052	2.42	26.6	25.5	0.97	1060	0.73	0.60	6.7	2.5	590
R610142		3.18	16.55	0.18	1.1	0.069	2.74	23.7	50.0	0.84	1630	1.25	0.15	7.3	2.3	630
R610143		2.71	12.75	0.14	1.4	0.066	1.91	26.8	96.9	1.01	1580	0.65	0.04	6.3	2.5	560
R610144		0.49	0.29	0.07	<0.1	0.006	0.02	0.7	1.2	12.70	224	1.56	0.01	0.2	1.8	170
R610145		2.96	17.00	0.18	1.5	0.054	2.77	22.7	31.9	0.69	1010	0.93	0.45	8.1	2.4	640
R610146		3.47	16.05	0.17	1.1	0.093	3.24	26.1	23.5	0.92	1900	2.18	0.74	7.2	2.4	620
R610147		3.57	15.80	0.19	0.9	0.130	3.46	24.8	32.0	0.88	3470	13.95	0.13	7.1	2.8	630
R610148		3.37	15.75	0.16	1.0	0.101	2.72	19.4	65.5	0.70	1320	6.27	0.25	7.1	2.6	610
R610149		2.96	16.00	0.15	1.0	0.095	2.73	24.4	52.8	0.71	1820	9.99	0.08	7.4	2.3	650
R610150		2.66	16.75	0.19	1.1	0.060	3.42	27.0	41.2	0.80	2770	0.81	0.26	7.3	2.3	620
R610151		3.25	13.50	0.15	0.9	0.102	2.76	22.3	27.3	1.28	3330	1.99	0.07	5.6	2.2	470
R610152		3.08	16.25	0.18	1.0	0.094	3.24	26.1	35.2	0.99	2820	0.56	0.08	6.7	2.4	590
R610153		3.00	15.85	0.18	1.0	0.057	2.75	22.6	43.1	0.78	1440	0.97	0.77	7.1	2.9	610
R610154		3.50	17.30	0.17	0.9	0.045	2.57	25.6	98.0	1.01	689	1.11	1.31	7.8	3.1	690

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 27-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15102119

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
R610119		17.8	100.0	0.002	0.11	21.7	9.5	<1	1.2	291	0.51	<0.05	11.3	0.224	1.16	3.5
R610120		19.0	84.0	<0.002	0.03	6.14	11.9	1	1.7	399	0.63	<0.05	11.6	0.284	1.08	4.4
R610121		15.9	96.2	<0.002	0.07	19.25	11.3	1	1.7	258	0.60	<0.05	11.6	0.278	1.45	4.0
R610122		14.8	111.0	<0.002	0.06	16.25	12.3	1	2.2	244	0.62	<0.05	12.6	0.282	1.41	4.0
R610123		15.5	98.6	<0.002	0.02	1.54	12.6	1	1.7	425	0.61	<0.05	12.5	0.282	0.96	4.1
R610124		16.7	103.5	<0.002	0.01	1.31	12.6	1	1.6	412	0.63	<0.05	13.6	0.286	1.02	4.7
R610125		486	161.0	0.003	2.70	30.6	9.6	1	6.0	113.0	0.49	0.32	10.7	0.204	2.65	5.1
R610126		24.4	170.5	<0.002	0.36	10.05	11.1	1	1.6	225	0.56	<0.05	12.0	0.255	2.56	4.3
R610127		17.3	94.3	<0.002	0.02	1.73	12.3	1	1.5	401	0.60	<0.05	11.5	0.281	1.11	4.0
R610128		17.4	101.5	<0.002	0.02	1.72	12.7	1	1.7	412	0.63	<0.05	12.3	0.288	1.18	4.0
R610129		31.3	177.0	<0.002	0.27	12.45	13.2	1	2.1	195.0	0.61	<0.05	12.3	0.294	2.70	4.3
R610130		34.8	220	<0.002	0.73	20.0	11.1	1	1.9	148.0	0.52	<0.05	11.2	0.247	3.08	5.0
R610131		1.6	2.3	<0.002	<0.01	0.12	0.2	<1	<0.2	49.3	<0.05	<0.05	<0.2	<0.005	0.03	0.5
R610132		19.7	149.0	<0.002	0.07	8.46	13.3	1	2.1	191.5	0.65	<0.05	14.1	0.295	1.71	3.8
R610133		15.1	97.0	<0.002	0.02	1.77	12.2	1	1.8	399	0.61	<0.05	11.9	0.276	1.07	3.9
R610134		27.4	121.5	<0.002	0.23	34.7	10.2	1	2.0	192.0	0.50	0.05	9.9	0.240	2.50	4.1
R610135		16.0	111.5	<0.002	0.11	12.10	12.1	1	1.7	347	0.61	<0.05	11.1	0.283	1.56	3.4
R610136		19.9	119.5	<0.002	0.33	2.33	12.4	1	2.1	437	0.58	0.48	11.5	0.291	1.29	3.7
R610137		50.9	152.0	<0.002	1.03	11.20	12.3	1	2.4	205	0.56	0.82	11.6	0.283	2.11	4.0
R610138		32.1	127.5	<0.002	0.36	62.4	11.3	1	1.9	197.0	0.56	0.11	10.0	0.274	2.28	3.4
R610139		1270	159.5	0.002	4.49	63.2	9.1	1	7.6	95.8	0.50	1.50	10.4	0.204	2.49	4.9
R610140		98.2	187.5	<0.002	1.08	39.8	9.3	1	1.9	172.0	0.42	0.07	8.9	0.199	2.43	3.4
R610141		86.0	115.0	<0.002	0.14	7.48	11.1	1	1.7	379	0.52	<0.05	10.9	0.256	1.25	3.5
R610142		55.6	127.5	<0.002	0.20	14.20	11.9	<1	1.7	183.0	0.57	<0.05	11.2	0.279	1.64	3.0
R610143		20.4	103.0	<0.002	0.15	33.0	9.0	1	2.0	241	0.48	<0.05	9.7	0.234	1.48	6.2
R610144		1.4	1.2	<0.002	<0.01	0.13	0.3	<1	<0.2	51.2	<0.05	<0.05	<0.2	0.005	<0.02	0.4
R610145		17.5	121.0	<0.002	0.06	13.55	12.0	1	1.7	192.5	0.74	<0.05	13.0	0.283	1.45	4.3
R610146		93.0	178.0	<0.002	0.66	17.70	12.2	1	1.9	239	0.58	0.82	12.7	0.271	2.66	4.1
R610147		236	206	0.003	0.71	54.0	12.2	1	2.2	147.0	0.55	0.32	11.2	0.269	3.32	3.9
R610148		87.7	110.0	<0.002	0.58	58.4	11.5	1	2.3	185.0	0.55	0.60	10.3	0.270	1.81	3.8
R610149		85.0	134.0	<0.002	0.38	31.9	11.7	1	2.1	141.5	0.56	0.25	11.8	0.279	2.05	3.2
R610150		91.0	169.0	<0.002	0.33	36.5	11.7	1	2.5	205	0.59	4.26	12.3	0.271	2.57	3.9
R610151		162.5	193.5	<0.002	0.47	25.5	9.5	<1	2.6	199.0	0.48	0.24	9.2	0.211	2.46	4.0
R610152		49.7	187.0	<0.002	0.53	14.30	11.1	<1	1.9	185.0	0.49	0.05	10.5	0.254	2.67	2.9
R610153		27.3	141.0	<0.002	0.28	17.05	11.4	1	1.9	217	0.53	0.06	10.1	0.266	1.86	3.4
R610154		16.4	115.5	<0.002	0.16	6.84	12.8	1	1.9	332	0.59	0.07	11.4	0.302	1.45	4.2

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VANCOUVER BC V6B 1L8

Finalized Date: 27-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15102119

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	V	W	Y	Zn	Zr
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	1	0.1	0.1	2	0.5
R610119		64	4.9	14.0	57	22.8
R610120		81	4.8	14.7	59	28.5
R610121		78	4.7	14.2	57	27.6
R610122		78	5.8	14.7	57	28.3
R610123		81	5.3	16.4	55	32.3
R610124		83	12.1	16.3	55	29.6
R610125		66	5.9	11.9	848	31.7
R610126		73	6.5	14.3	67	28.4
R610127		81	2.5	15.5	58	27.5
R610128		83	2.3	16.4	59	29.8
R610129		85	3.7	16.5	92	29.9
R610130		72	4.3	15.4	107	22.8
R610131		2	0.1	0.9	18	<0.5
R610132		84	3.9	16.8	69	30.9
R610133		80	2.1	16.0	54	28.7
R610134		71	6.0	13.8	105	23.9
R610135		81	4.1	15.4	60	28.5
R610136		80	12.1	16.6	61	27.3
R610137		81	15.9	15.1	113	27.6
R610138		80	11.4	13.4	98	26.4
R610139		61	6.0	10.7	2280	29.7
R610140		65	6.6	16.4	255	21.0
R610141		73	4.6	15.4	214	25.4
R610142		80	5.5	14.9	86	26.0
R610143		63	7.8	14.7	70	46.2
R610144		2	0.1	0.8	18	0.7
R610145		81	7.2	14.8	62	34.1
R610146		77	8.7	14.7	199	26.1
R610147		79	7.9	14.7	467	22.5
R610148		77	9.9	14.3	176	24.4
R610149		76	13.6	13.8	177	24.2
R610150		79	3.9	16.5	182	26.7
R610151		64	3.4	15.6	444	20.2
R610152		75	6.6	15.8	139	23.7
R610153		77	3.4	13.2	90	25.6
R610154		86	2.8	16.2	64	21.1

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VANCOUVER BC V6B 1L8

Project: KLAZA

Finalized Date: 27-JUL-2015
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH15102119

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	ME-MS61

ALS Canada Ltd.

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VANCOUVER BC V6B 1L8

Finalized Date: 26-JUL-2015
Account: ROCKHA

CERTIFICATE WH15102125

Project: KLAZA

P.O. No.: BATCH 47

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 13-JUL-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21d	Sample logging - ClientBarCode Dup
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
BAG-06	Double Bagging Coarse Rejects
SPL-21d	Split sample - duplicate
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31d	Pulverize Split - duplicate

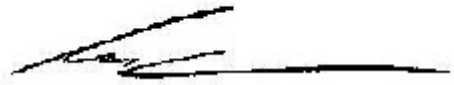
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Pb-OG62	Ore Grade Pb - Four Acid	VARIABLE
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 26-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15102125

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
R499785		3.38	0.669	80.7	6.06	2340	2740	1.40	2.02	2.61	70.9	37.6	6.4	8	21.4	212
R499786		3.22	0.027	1.07	7.14	193.0	1970	1.74	0.14	2.70	0.87	53.0	8.1	8	31.6	14.2
R499787		3.88	0.079	1.56	6.49	307	1900	1.68	0.15	3.14	4.39	46.9	6.8	8	23.1	15.6
R499788		7.19	0.111	2.12	7.51	380	1730	1.89	0.49	2.17	7.89	48.7	7.5	9	32.3	29.5
R499789		2.48	0.024	0.83	7.67	424	1650	1.98	0.19	2.43	3.60	49.0	7.2	8	34.3	17.9
R499790		5.15	0.005	0.20	7.30	23.0	1020	1.77	0.12	2.01	0.52	60.5	4.9	13	27.2	5.6
R499791		4.45	0.126	1.17	7.16	890	3260	1.59	0.15	3.53	0.49	49.0	6.0	7	27.6	10.0
R499792		2.04	0.130	0.78	7.25	662	2880	1.58	0.20	3.21	0.21	47.2	6.2	7	27.8	13.7
R499793		3.59	0.053	0.62	7.15	753	1000	1.83	0.12	2.71	1.00	50.4	7.1	7	35.0	18.0
R499794		0.30	0.886	12.90	6.49	1535	1250	1.39	11.45	1.83	31.5	42.7	17.8	19	13.45	277
R499795		3.54	0.709	6.99	7.61	2860	850	1.47	0.43	1.02	43.1	50.6	7.8	8	13.35	55.9
R499796		1.67	0.041	3.97	7.79	316	810	1.70	1.45	2.42	17.40	49.4	5.8	9	17.55	24.0
R499797		2.14	0.171	7.51	7.08	573	870	1.66	0.69	2.06	18.50	43.2	8.1	7	22.4	124.0
R499798		<0.02	0.204	9.63	7.00	585	830	1.65	0.75	1.97	19.70	47.1	8.4	7	22.7	181.0
R499799		2.39	0.651	12.75	7.05	1220	1500	1.67	2.60	2.31	36.4	46.7	8.5	8	24.4	103.5
R499800		4.10	0.009	0.36	7.43	119.0	1180	1.75	0.19	2.52	0.38	46.9	7.2	10	22.8	10.3
R610501		3.05	0.412	14.75	6.99	2100	1620	1.70	1.21	2.62	20.2	51.8	6.2	8	27.5	154.5
R610502		5.07	<0.005	0.04	0.07	1.8	20	0.06	0.03	20.6	0.10	1.15	1.0	1	0.19	3.1
R610503		9.31	0.029	1.57	7.66	114.5	1630	2.30	0.98	2.67	1.91	62.3	5.8	25	43.2	13.7
R610504		0.31	1.765	39.8	5.91	2490	1370	1.19	36.6	1.63	43.6	34.4	16.9	23	9.84	1160
R610505		1.53	2.80	48.8	5.98	4220	2090	1.41	4.26	1.88	85.7	39.7	5.8	6	21.6	255
R610506		2.58	0.090	1.40	6.99	308	1200	1.66	0.46	2.93	7.84	52.6	7.1	8	29.2	16.7
R610507		4.44	0.044	0.92	7.73	183.0	1280	1.62	0.32	2.77	2.41	49.3	6.4	8	31.1	9.9
R610508		5.03	0.019	0.72	7.32	291	1270	1.53	0.29	3.63	1.08	52.6	7.4	8	27.0	5.0
R610509		7.61	0.011	0.30	7.43	88.0	2160	1.82	0.24	2.54	1.21	73.9	7.2	24	19.85	12.0
R610510		5.42	0.007	0.29	7.17	115.5	720	1.66	0.12	2.29	0.36	45.2	5.7	8	26.7	10.7
R610511		2.71	0.121	1.38	7.50	217	1740	1.70	0.33	2.51	4.69	51.3	6.9	7	23.3	14.9
R610512		3.80	0.023	0.45	7.71	85.0	1170	1.66	0.15	2.07	0.47	50.2	5.2	8	28.7	9.4
R610513		4.26	0.107	1.38	6.43	168.0	1760	1.40	0.52	3.41	2.63	39.7	11.7	6	18.80	6.3
R610514		4.96	<0.005	0.01	0.06	<0.2	40	<0.05	0.02	21.1	0.07	1.22	0.6	1	0.19	1.8
R610515		5.32	0.017	0.53	7.61	115.5	1070	1.55	0.23	2.62	0.45	48.5	7.8	7	29.0	13.2
R610516		2.46	0.061	1.03	5.04	129.5	670	1.46	0.37	9.34	2.64	34.5	9.8	4	19.25	8.2
R610517		2.71	1.620	27.5	6.69	1955	1790	1.65	1.30	3.97	51.1	50.6	6.4	12	22.3	124.5
R610518		6.42	0.006	0.33	6.83	32.5	1900	1.44	0.25	2.43	0.39	38.2	7.1	8	23.3	10.3
R610519		2.96	0.023	0.89	6.86	60.5	1450	1.67	0.58	2.56	0.49	42.9	6.8	7	21.6	5.0
R610520		2.51	0.800	11.95	6.53	387	1720	1.72	0.73	2.63	93.0	49.2	7.1	15	21.4	74.1

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 26-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15102125

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
R499785		3.52	12.70	0.09	1.0	0.305	2.29	19.9	27.6	0.97	1090	11.80	0.03	6.1	2.8	450
R499786		2.43	16.25	0.15	1.2	0.039	2.92	28.1	13.7	0.92	1520	2.47	0.04	8.1	2.4	560
R499787		2.74	14.30	0.14	1.0	0.053	2.65	26.1	15.3	1.17	2110	2.21	0.03	6.6	2.4	470
R499788		2.33	15.60	0.15	1.3	0.140	2.87	25.5	16.7	0.87	1180	2.60	0.04	7.9	3.1	580
R499789		2.56	15.90	0.15	1.3	0.055	2.91	25.8	17.9	0.96	1380	3.61	0.04	8.1	3.1	600
R499790		2.21	18.95	0.16	3.2	0.023	2.42	32.0	48.8	0.86	628	5.88	0.03	10.7	4.4	830
R499791		2.55	14.80	0.15	1.0	0.039	2.56	27.2	25.1	1.23	1220	1.52	0.04	7.3	2.2	510
R499792		2.59	14.50	0.16	1.0	0.040	2.64	26.1	21.3	1.06	1130	1.28	0.03	7.0	2.0	520
R499793		2.74	16.50	0.18	1.1	0.042	2.76	26.6	16.8	0.92	1160	1.38	0.04	7.9	2.3	530
R499794		6.53	14.70	0.14	1.0	0.761	2.89	22.5	17.9	0.76	1800	8.65	0.13	6.3	11.6	520
R499795		4.20	16.90	0.13	1.1	0.213	3.57	27.3	8.9	0.51	921	1.57	0.03	7.8	2.4	560
R499796		3.23	15.70	0.14	1.0	0.129	3.32	27.2	40.8	0.94	1890	1.53	0.03	7.3	2.3	560
R499797		3.31	16.40	0.15	1.1	0.146	3.27	21.4	13.7	0.70	1530	1.70	0.03	8.0	2.5	590
R499798		3.27	16.30	0.18	1.2	0.152	3.19	24.3	13.4	0.68	1480	1.45	0.03	7.9	2.5	560
R499799		3.33	15.55	0.14	1.3	0.545	3.20	24.4	21.6	0.79	1660	1.67	0.04	7.5	2.2	550
R499800		2.99	16.70	0.13	1.2	0.050	2.43	23.9	151.0	0.84	930	1.36	0.05	8.3	2.5	590
R610501		2.86	16.00	0.16	1.3	0.369	2.99	27.7	15.8	0.82	1420	3.97	0.04	8.0	2.6	580
R610502		0.48	0.32	0.15	<0.1	0.005	0.02	0.6	1.2	12.95	226	0.11	<0.01	0.2	1.2	160
R610503		2.19	19.70	0.27	3.1	0.090	2.57	32.6	66.4	0.93	488	0.84	0.08	10.0	15.3	760
R610504		9.31	13.40	0.10	0.8	1.495	2.69	18.2	15.1	0.69	2270	16.70	0.07	4.7	14.0	430
R610505		3.98	13.55	0.08	1.3	1.270	2.49	20.8	13.2	0.78	1120	2.68	0.03	6.6	3.2	490
R610506		2.73	15.90	0.17	1.0	0.200	2.93	28.4	40.2	1.00	1200	1.70	0.04	7.9	2.4	580
R610507		2.88	15.70	0.17	1.0	0.096	2.88	27.0	75.5	1.01	855	1.47	0.05	7.7	2.2	550
R610508		2.90	15.15	0.17	0.9	0.060	2.99	30.2	38.5	1.25	1320	1.52	0.04	7.2	2.2	550
R610509		2.79	18.45	0.16	4.1	0.036	1.18	37.9	325	0.98	747	1.07	0.03	11.7	6.9	1290
R610510		2.54	15.60	0.13	1.0	0.040	2.50	23.8	80.7	0.82	1240	1.66	0.04	7.6	2.5	570
R610511		2.84	16.50	0.14	1.1	0.056	3.14	26.7	21.9	0.94	2230	2.08	0.05	8.1	2.3	630
R610512		2.51	16.75	0.15	1.0	0.055	2.96	26.8	49.1	0.80	1210	1.80	0.04	8.0	2.2	570
R610513		4.00	13.55	0.12	0.8	0.039	2.70	21.1	18.1	1.25	2970	4.08	0.04	6.5	2.3	470
R610514		0.49	0.19	0.07	<0.1	<0.005	0.02	0.6	1.1	13.05	225	0.10	<0.01	0.1	1.4	160
R610515		2.66	17.10	0.14	1.2	0.057	2.90	24.4	29.3	0.93	1050	2.34	0.04	8.6	2.7	620
R610516		3.19	10.55	0.11	0.9	0.097	1.73	19.2	73.8	4.36	1170	5.48	0.05	5.1	2.4	410
R610517		3.27	16.15	0.11	2.1	0.626	2.45	28.0	67.6	1.53	1090	3.04	0.06	7.7	8.6	510
R610518		2.84	15.95	0.14	1.3	0.057	2.85	18.6	66.6	0.74	603	1.25	0.91	8.0	2.2	550
R610519		2.95	16.00	0.14	1.3	0.065	2.87	22.0	146.0	0.90	814	1.14	0.08	7.9	2.4	570
R610520		3.91	15.80	0.14	2.1	0.561	2.41	26.9	118.5	1.03	1530	4.94	0.05	7.4	11.2	530

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 26-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15102125

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
R499785		>10000	107.0	0.003	2.56	166.0	8.3	1	3.6	167.5	0.49	0.24	10.8	0.203	1.90	7.1
R499786		60.2	133.5	0.003	0.84	10.70	11.1	1	1.9	187.0	0.62	<0.05	14.9	0.251	3.00	7.1
R499787		148.0	136.0	0.003	1.04	14.55	9.3	1	1.6	150.0	0.52	<0.05	12.7	0.209	2.47	5.1
R499788		295	121.5	0.003	0.48	13.30	9.9	1	2.1	221	0.61	0.06	13.2	0.253	2.41	4.9
R499789		127.0	127.0	0.003	0.46	11.55	10.7	1	2.1	232	0.62	<0.05	14.1	0.257	2.42	5.2
R499790		32.1	79.9	0.003	0.06	17.30	5.1	1	1.3	805	0.67	<0.05	8.6	0.289	1.12	3.6
R499791		38.9	123.5	0.002	0.84	25.1	9.3	1	1.6	235	0.56	0.05	12.9	0.232	2.73	4.6
R499792		21.5	121.0	0.003	0.99	18.65	9.8	1	1.8	224	0.54	0.08	13.2	0.234	2.75	3.5
R499793		42.4	113.0	0.003	0.84	17.40	11.4	1	2.3	303	0.60	<0.05	14.4	0.254	3.01	4.7
R499794		1190	151.0	0.004	4.63	62.0	9.3	2	7.3	94.7	0.48	2.05	10.9	0.210	2.30	4.6
R499795		1630	206	0.003	4.05	23.5	11.1	1	6.5	42.6	0.62	0.07	13.7	0.254	3.10	2.5
R499796		715	168.5	0.003	0.87	11.20	10.3	1	2.0	142.0	0.57	<0.05	14.2	0.245	2.70	3.9
R499797		553	146.5	0.003	2.49	26.9	11.3	1	2.9	108.0	0.61	0.13	12.8	0.254	3.23	6.5
R499798		586	154.5	0.003	2.43	33.3	11.5	1	2.9	105.5	0.61	0.14	13.6	0.247	3.21	6.6
R499799		2130	146.5	0.003	1.63	30.7	10.4	1	2.5	123.0	0.57	0.54	12.9	0.249	2.79	3.6
R499800		24.7	90.2	0.003	0.42	11.45	11.2	1	1.7	165.5	0.63	0.08	13.5	0.271	2.00	4.3
R610501		1160	147.5	0.003	1.46	57.6	11.4	1	2.9	169.5	0.62	0.29	14.6	0.253	2.94	4.5
R610502		2.9	1.0	0.002	<0.01	0.10	0.2	<1	<0.2	49.3	<0.05	<0.05	<0.2	<0.005	<0.02	0.5
R610503		229	100.5	0.003	0.54	9.45	6.6	1	1.8	422	0.71	0.06	11.9	0.291	2.43	5.2
R610504		1550	135.5	0.004	8.00	101.0	8.1	2	10.0	63.0	0.36	0.65	7.9	0.172	2.07	5.0
R610505		5120	132.5	0.003	3.59	97.9	8.3	1	4.9	144.0	0.50	0.32	9.6	0.209	2.59	3.5
R610506		194.5	148.0	0.002	0.71	12.50	11.8	1	1.7	199.0	0.56	0.14	14.2	0.253	2.81	4.2
R610507		113.0	137.0	0.003	0.57	11.70	10.1	1	1.6	198.0	0.56	0.12	13.7	0.254	2.48	3.8
R610508		68.5	162.5	0.003	0.81	10.65	9.9	1	1.6	189.5	0.53	0.10	13.2	0.243	2.65	3.8
R610509		37.9	47.9	0.003	0.22	37.6	7.4	1	1.5	550	0.65	0.05	10.3	0.364	0.92	3.5
R610510		31.5	117.0	<0.002	0.35	12.70	9.4	1	1.5	140.5	0.56	<0.05	12.4	0.247	2.60	3.8
R610511		113.0	164.5	<0.002	1.39	18.10	10.6	1	2.1	150.5	0.62	0.16	13.4	0.258	3.10	4.1
R610512		32.8	151.5	<0.002	0.64	12.75	10.2	1	1.8	184.0	0.62	0.05	14.2	0.255	3.01	4.3
R610513		134.5	164.5	<0.002	2.83	20.2	8.4	1	1.9	155.5	0.50	0.32	10.5	0.212	2.92	2.8
R610514		1.6	1.2	<0.002	<0.01	0.08	0.2	<1	<0.2	51.6	<0.05	<0.05	<0.2	<0.005	<0.02	0.5
R610515		35.2	131.5	<0.002	0.79	13.35	10.4	1	2.3	219	0.70	0.09	12.8	0.269	3.04	5.8
R610516		111.0	86.6	<0.002	0.61	11.95	6.4	<1	1.2	269	0.42	0.17	8.7	0.166	1.41	5.2
R610517		3880	138.0	<0.002	1.63	59.2	8.2	1	2.8	343	0.61	0.16	12.0	0.227	2.26	8.0
R610518		43.2	110.0	<0.002	0.29	11.50	9.3	1	1.6	226	0.65	0.08	11.1	0.254	1.96	3.7
R610519		99.7	113.5	<0.002	0.55	15.05	9.4	<1	1.7	153.0	0.64	0.25	11.6	0.245	2.21	3.7
R610520		2430	134.5	<0.002	1.87	39.7	8.0	1	2.9	213	0.60	0.20	11.6	0.221	2.37	7.5

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
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Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 26-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15102125

Sample Description	Method / Analyte / Units / LOR	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Pb-OG62 Pb % 0.001
R499785		55	4.3	12.3	4830	29.5	1.400
R499786		66	6.3	15.5	108	35.0	
R499787		59	4.8	13.5	411	31.0	
R499788		65	7.8	13.6	598	41.7	
R499789		68	7.7	15.2	336	39.9	
R499790		47	3.5	10.3	125	127.0	
R499791		61	4.2	14.4	71	30.1	
R499792		63	5.0	14.6	43	30.2	
R499793		68	4.6	16.0	97	33.7	
R499794		62	5.5	11.6	2380	29.9	
R499795		71	5.7	11.1	2770	32.2	
R499796		65	4.0	14.4	1210	30.0	
R499797		68	4.9	13.7	1230	34.3	
R499798		65	4.6	13.6	1260	33.8	
R499799		65	3.9	14.1	2450	41.4	
R499800		71	3.0	15.6	50	36.3	
R610501		67	4.2	18.2	1380	38.2	
R610502		2	0.1	0.7	21	<0.5	
R610503		54	2.5	13.3	179	118.0	
R610504		56	6.9	9.4	3320	23.4	
R610505		54	4.6	12.1	5430	42.5	
R610506		67	4.1	16.2	518	31.0	
R610507		66	4.0	15.2	188	28.5	
R610508		65	15.4	15.3	111	26.2	
R610509		67	2.3	12.7	136	175.5	
R610510		67	3.9	13.3	58	28.0	
R610511		71	4.4	13.3	359	29.9	
R610512		69	5.4	14.3	60	28.5	
R610513		56	3.5	12.8	207	24.2	
R610514		2	0.1	0.8	20	<0.5	
R610515		72	4.8	14.6	64	34.6	
R610516		44	2.6	11.7	219	29.9	
R610517		58	3.9	14.6	3170	73.8	
R610518		69	2.2	13.6	55	35.6	
R610519		68	3.0	13.1	77	37.0	
R610520		57	3.9	13.0	5810	74.8	

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: KLAZA

Finalized Date: 26-JUL-2015
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH15102125

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

Applies to Method:				
	BAG-06	CRU-31	CRU-QC	LOG-21
	LOG-21d	LOG-23	PUL-31	PUL-31d
	PUL-QC	SPL-21	SPL-21d	WEI-21

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:				
	Au-AA24	ME-MS61	ME-OG62	Pb-OG62

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C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 25-JUL-2015
Account: ROCKHA

CERTIFICATE WH15102127

Project: KLAZA

P.O. No.: BATCH 48

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 13-JUL-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21d	Sample logging - ClientBarCode Dup
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
BAG-06	Double Bagging Coarse Rejects
SPL-21d	Split sample - duplicate
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31d	Pulverize Split - duplicate

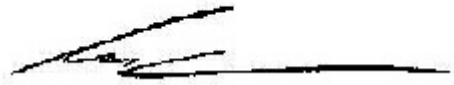
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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VANCOUVER BC V6B 1L8

Finalized Date: 25-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15102127

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-AA24 Au ppm 0.005	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05	ME-MS61 Cu ppm 0.2
R610521		5.83	0.009	0.29	7.20	39.5	2830	1.76	0.51	2.32	0.31	43.3	7.2	9	18.00	4.6
R610522		1.04	0.758	19.05	6.10	1090	1030	1.32	7.19	2.48	53.5	43.0	11.1	7	12.30	42.8
R610523		6.57	0.005	0.19	6.98	23.1	2630	1.59	0.26	2.56	0.23	40.9	6.4	8	20.1	8.2
R610524		4.25	0.009	0.38	7.15	31.1	3290	1.54	0.54	2.93	0.31	48.4	6.5	8	21.5	7.5
R610525		3.31	0.101	0.87	6.70	108.5	3150	1.57	0.23	2.85	2.23	46.4	5.7	7	17.30	11.3
R610526		0.30	0.975	11.55	6.47	1555	1240	1.32	10.70	1.79	31.7	43.5	16.0	17	12.30	275
R610527		1.41	1.560	23.0	4.39	2450	640	1.33	1.75	3.11	72.0	30.8	6.0	6	15.80	93.3
R610528		4.74	0.013	0.58	7.03	71.2	1520	1.46	0.32	2.39	0.72	45.5	7.4	7	20.5	19.1
R610529		5.49	0.016	0.22	7.05	27.1	2390	1.70	0.34	2.31	0.39	40.9	7.1	9	21.4	10.6
R610530		3.26	0.006	0.25	7.53	17.5	1510	1.43	0.44	2.11	0.17	44.0	6.7	8	25.8	14.6
R610531		1.79	0.006	0.30	7.09	23.8	1400	1.32	0.37	2.10	0.22	44.4	7.9	8	21.6	18.5
R610532		3.66	0.045	1.87	7.35	42.5	2530	1.58	1.39	2.29	9.42	51.9	11.0	8	19.35	9.6
R610533		6.86	0.012	0.22	7.13	13.2	3090	1.64	0.46	2.34	1.15	43.4	7.4	10	18.40	7.3
R610534		7.35	0.031	0.28	7.40	16.8	1850	1.66	0.85	1.99	0.63	52.9	7.5	10	9.37	4.6
R610535		2.76	0.036	2.80	7.53	18.3	750	1.32	1.82	1.30	18.75	43.5	8.2	9	11.65	15.7
R610536		5.24	<0.005	0.01	0.07	0.9	40	0.06	0.08	20.9	0.09	1.14	0.7	<1	0.17	2.3
R610537		4.38	0.027	0.37	7.61	9.7	1200	1.21	1.20	1.66	0.49	43.1	8.1	8	8.41	6.0
R610538		4.67	0.020	0.14	7.71	10.1	1390	1.46	1.05	1.81	0.30	52.8	6.6	8	10.25	5.1
R610539		6.24	0.032	1.25	7.15	31.7	1180	1.40	1.35	2.45	7.86	46.5	5.8	9	12.15	8.4
R610540		7.75	0.020	0.88	7.18	20.5	1840	1.48	0.57	2.71	3.33	45.3	7.4	10	15.65	6.4
R610541		0.29	0.349	4.62	6.68	720	1060	1.37	3.23	1.96	11.05	49.2	11.6	25	12.70	304
R610542		3.85	0.181	4.96	6.99	126.0	690	1.59	1.65	3.00	12.05	52.5	7.3	7	16.10	16.4
R610543		6.18	<0.005	0.11	7.49	8.2	2400	1.55	0.31	2.50	0.15	46.4	6.7	11	14.65	9.9
R610544		4.56	0.014	0.12	7.43	7.3	2310	1.55	0.35	2.54	0.21	45.7	6.1	12	14.90	11.9
R610545		2.27	0.040	6.87	7.09	70.2	1590	1.45	5.91	2.66	0.83	44.9	10.3	9	22.9	11.8
R610546		<0.02	0.037	7.72	7.00	70.4	1620	1.46	6.65	2.66	0.89	46.7	10.6	8	24.2	11.5
R610547		7.07	0.013	1.24	7.40	8.8	2440	1.66	0.43	2.54	0.39	51.0	6.9	10	13.90	15.4
R610548		1.45	0.035	0.16	7.72	19.8	670	1.66	1.69	2.57	0.15	54.5	8.8	16	9.21	4.0
R610549		3.96	0.011	0.13	7.41	7.0	2250	1.64	0.55	2.47	0.17	48.8	6.5	13	11.40	7.5
R610550		7.15	0.051	0.99	8.02	80.3	2700	1.70	0.73	0.23	25.9	55.2	9.0	9	13.95	19.5
R610551		2.24	0.190	3.32	7.16	75.0	1210	1.41	2.29	0.97	79.8	46.4	6.0	8	12.30	34.8
R610552		4.77	<0.005	0.01	0.08	0.3	30	0.06	0.04	20.7	0.21	1.32	0.9	<1	0.18	2.1
R610553		5.17	0.028	0.63	8.16	24.7	2330	1.28	0.40	0.29	23.1	50.2	7.0	8	13.50	22.0
R610554		3.30	0.105	3.64	7.78	310	890	1.56	1.20	0.26	34.1	53.7	10.3	8	13.35	124.5
R610555		3.24	1.175	12.35	5.93	781	440	1.20	10.85	0.08	56.5	47.2	34.1	9	7.89	634
R610556		1.80	0.345	4.22	7.24	450	870	1.52	2.69	0.31	102.0	51.0	6.9	8	14.65	271

***** See Appendix Page for comments regarding this certificate *****

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 25-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15102127

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
R610521		3.23	16.75	0.15	1.2	0.065	3.25	20.7	140.5	0.78	789	1.65	0.27	7.7	2.8	590
R610522		4.69	13.35	0.13	1.2	0.307	2.83	22.3	49.2	0.95	1910	1.75	0.03	5.7	3.3	460
R610523		2.95	16.00	0.12	1.3	0.052	2.96	18.4	106.0	0.75	637	1.73	0.50	7.6	2.5	600
R610524		3.21	14.75	0.13	1.2	0.066	2.83	24.6	138.0	1.13	980	1.42	0.03	6.8	2.5	530
R610525		2.72	14.65	0.14	1.2	0.061	3.01	24.0	26.2	1.01	2470	5.37	0.02	6.5	2.5	480
R610526		6.49	14.75	0.13	1.1	0.738	2.90	21.7	18.0	0.77	1770	8.22	0.12	5.8	11.7	520
R610527		3.44	9.58	0.11	1.0	1.100	1.67	13.6	54.7	1.20	1280	5.20	0.02	4.1	4.0	310
R610528		2.73	15.15	0.14	1.3	0.063	2.33	22.3	153.5	0.89	798	1.10	0.04	7.1	2.5	580
R610529		2.92	16.40	0.11	1.3	0.079	2.81	19.1	65.7	0.63	543	0.98	1.68	7.7	2.6	590
R610530		3.01	16.55	0.14	1.4	0.063	2.91	21.2	181.5	0.67	626	0.96	0.32	7.7	2.3	620
R610531		2.83	15.95	0.15	1.4	0.073	2.73	21.2	147.5	0.67	638	0.81	0.20	7.5	2.6	600
R610532		3.77	16.20	0.15	1.3	0.087	2.81	27.1	104.5	0.85	1160	1.08	0.15	7.3	2.4	580
R610533		2.89	16.40	0.15	1.4	0.043	2.79	20.9	13.9	0.71	449	1.13	2.04	7.2	2.7	590
R610534		2.78	17.40	0.16	1.5	0.027	2.76	25.6	21.2	0.67	341	1.11	1.54	7.2	2.5	680
R610535		3.66	17.15	0.15	1.2	0.043	3.36	21.8	18.3	0.86	322	2.93	0.05	3.8	3.3	580
R610536		0.48	0.30	0.21	<0.1	0.005	0.03	0.5	1.3	12.95	215	0.11	0.01	0.1	3.3	290
R610537		2.72	17.20	0.18	1.6	0.030	2.83	20.6	30.8	0.65	362	1.36	0.08	6.5	2.7	610
R610538		2.37	17.70	0.15	1.6	0.044	2.92	26.7	70.3	0.73	402	0.98	0.09	6.9	2.4	600
R610539		3.20	16.30	0.16	1.1	0.056	3.19	23.5	34.5	1.14	892	4.73	0.04	4.9	2.7	540
R610540		3.06	16.70	0.13	1.2	0.049	2.87	22.4	20.3	0.80	841	1.64	1.29	7.2	2.6	590
R610541		5.10	15.35	0.12	1.1	0.300	2.98	26.3	24.4	0.79	1860	16.95	0.15	5.9	14.8	520
R610542		3.74	15.35	0.13	1.1	0.135	2.99	27.8	25.3	1.12	1480	1.60	0.04	6.7	2.8	540
R610543		3.12	16.80	0.16	1.2	0.044	2.77	22.9	13.5	0.78	571	1.49	2.00	7.6	2.7	580
R610544		3.19	16.30	0.15	1.2	0.050	2.72	21.9	16.2	0.87	609	1.66	2.29	7.7	2.9	610
R610545		3.62	16.15	0.13	1.2	0.039	3.00	22.4	29.4	0.82	1400	1.83	0.64	7.2	2.9	560
R610546		3.54	15.95	0.14	1.1	0.041	3.03	23.1	29.5	0.81	1400	1.81	0.64	7.2	3.0	560
R610547		3.04	17.15	0.18	1.3	0.044	2.65	25.1	12.5	0.81	600	1.36	2.14	8.0	3.0	610
R610548		2.98	17.35	0.15	1.8	0.028	2.15	26.4	14.1	0.87	343	2.44	2.09	5.3	5.1	710
R610549		2.96	16.95	0.15	1.3	0.037	2.60	23.4	12.3	0.80	492	1.19	2.21	7.6	3.0	590
R610550		3.50	17.60	0.15	1.2	0.279	2.80	29.4	55.7	0.20	2440	4.53	0.03	7.5	3.7	580
R610551		4.24	15.70	0.13	0.9	1.225	3.35	24.1	18.4	0.49	2630	3.98	0.05	6.4	2.7	560
R610552		0.49	0.27	0.20	<0.1	0.005	0.03	0.6	1.3	12.65	220	0.09	0.01	0.2	3.4	170
R610553		3.43	16.90	0.18	1.3	0.186	2.84	26.3	81.9	0.19	1050	3.54	0.06	7.7	2.5	640
R610554		5.60	17.20	0.15	1.2	0.588	3.49	27.7	19.9	0.31	3720	5.35	0.03	7.2	2.9	580
R610555		6.30	14.90	0.13	0.9	0.726	3.00	23.9	7.3	0.23	146	5.35	0.03	6.2	4.1	280
R610556		4.32	17.30	0.14	1.0	0.803	3.38	26.6	11.0	0.34	1940	2.29	0.03	6.8	1.8	530

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Project: KLAZA

CERTIFICATE OF ANALYSIS WH15102127

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
R610521		27.8	133.5	<0.002	0.79	11.85	10.0	1	1.9	198.0	0.60	0.18	11.7	0.249	2.51	4.2
R610522		1870	157.5	<0.002	3.26	23.6	7.9	1	2.6	74.0	0.47	6.11	10.4	0.192	2.66	3.6
R610523		22.2	104.5	<0.002	0.42	11.95	9.6	1	1.7	200	0.61	0.10	11.0	0.253	2.04	3.6
R610524		25.5	135.5	<0.002	1.02	12.55	9.7	1	1.6	150.5	0.55	0.21	11.9	0.231	2.36	4.4
R610525		86.6	160.0	<0.002	0.98	29.3	8.7	1	1.5	87.8	0.51	0.08	11.6	0.215	3.03	6.2
R610526		1285	153.5	0.002	4.63	59.7	8.7	1	7.4	88.5	0.46	1.08	10.7	0.204	2.50	4.7
R610527		3990	86.4	<0.002	2.04	65.4	5.3	1	2.7	175.0	0.33	0.22	7.3	0.140	1.73	6.9
R610528		43.9	83.3	<0.002	0.49	22.6	9.4	1	1.6	164.0	0.59	0.16	11.9	0.243	1.94	4.0
R610529		30.0	100.5	<0.002	0.31	9.23	9.5	1	1.6	312	0.61	0.14	10.9	0.252	1.43	3.6
R610530		16.2	108.5	0.002	0.40	27.5	10.1	1	1.7	173.5	0.64	0.28	12.3	0.258	1.69	3.6
R610531		16.6	100.5	<0.002	0.38	28.6	9.7	1	1.6	171.5	0.60	0.17	11.9	0.244	1.49	3.9
R610532		274	121.0	<0.002	1.08	21.3	9.8	1	2.6	140.5	0.56	1.13	13.0	0.240	2.04	6.7
R610533		39.2	103.5	<0.002	0.75	2.42	9.9	1	1.7	376	0.57	0.18	11.4	0.233	1.34	3.8
R610534		32.5	107.0	<0.002	1.42	4.26	11.3	<1	1.9	278	0.59	0.33	12.1	0.242	1.40	4.1
R610535		424	163.0	0.002	3.38	9.47	10.5	1	2.0	34.8	0.32	0.67	13.2	0.148	1.93	5.7
R610536		1.8	1.3	<0.002	<0.01	0.12	0.2	<1	<0.2	47.3	<0.05	<0.05	<0.2	<0.005	<0.02	0.6
R610537		27.4	101.0	<0.002	2.08	11.15	10.7	1	2.1	72.4	0.59	0.40	13.1	0.206	1.43	3.9
R610538		17.6	119.0	<0.002	1.37	13.75	10.4	1	2.0	118.5	0.61	0.44	13.7	0.212	1.63	6.2
R610539		198.5	160.0	<0.002	2.35	10.35	9.6	1	2.3	70.3	0.39	0.46	12.0	0.172	2.15	4.8
R610540		132.0	116.0	<0.002	0.73	5.55	10.1	1	2.0	249	0.54	0.22	11.7	0.244	1.80	4.1
R610541		468	156.0	0.006	2.69	28.3	9.0	1	5.4	103.0	0.45	0.26	11.3	0.200	2.54	4.8
R610542		684	157.5	<0.002	2.17	12.05	9.8	1	3.2	81.0	0.50	0.93	12.6	0.226	2.37	5.1
R610543		18.0	110.0	<0.002	0.32	2.60	10.4	<1	1.8	344	0.57	0.09	12.5	0.251	1.39	3.9
R610544		19.6	100.5	<0.002	0.15	1.16	10.7	1	1.7	382	0.57	0.12	11.0	0.263	1.32	3.6
R610545		133.0	128.5	<0.002	1.35	12.00	9.7	1	2.0	176.0	0.54	3.85	11.8	0.237	2.37	3.7
R610546		137.5	125.5	<0.002	1.35	11.90	9.6	1	2.0	179.5	0.53	4.38	11.9	0.238	2.46	3.7
R610547		26.0	104.5	<0.002	0.47	2.19	11.2	1	1.8	388	0.59	0.16	12.7	0.255	1.33	3.8
R610548		13.8	87.1	<0.002	2.19	1.95	11.2	1	0.9	369	0.45	0.58	13.4	0.220	1.16	4.3
R610549		19.0	94.6	<0.002	0.63	1.42	10.5	1	1.7	396	0.57	0.19	12.4	0.250	1.20	3.6
R610550		217	168.5	<0.002	0.24	12.70	11.5	1	1.6	72.1	0.60	0.08	14.7	0.242	2.72	5.5
R610551		1100	214	<0.002	1.35	10.70	9.0	1	3.6	30.5	0.47	<0.05	13.4	0.205	3.45	4.1
R610552		2.8	1.5	<0.002	<0.01	0.09	0.2	<1	<0.2	48.2	<0.05	<0.05	<0.2	<0.005	0.02	0.7
R610553		384	154.5	<0.002	0.16	24.0	10.5	1	1.7	95.6	0.65	<0.05	14.9	0.250	2.25	4.8
R610554		1435	209	<0.002	1.56	24.2	10.9	1	4.3	43.4	0.58	0.05	14.0	0.232	3.78	7.3
R610555		544	187.5	0.002	6.39	45.9	9.2	1	8.5	13.8	0.48	0.24	11.2	0.206	3.32	2.4
R610556		1165	207	<0.002	2.44	25.9	9.7	1	7.4	39.9	0.53	<0.05	12.5	0.215	3.67	3.7

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 25-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15102127

Sample Description	Method Analyte Units LOR	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
R610521		68	2.7	12.8	59	31.8
R610522		53	4.5	11.1	3380	30.8
R610523		66	2.5	13.1	47	32.7
R610524		63	3.6	13.7	49	30.8
R610525		58	4.4	11.2	175	29.5
R610526		60	6.0	10.3	2350	26.4
R610527		38	3.4	8.4	4500	27.2
R610528		64	2.7	13.3	79	31.2
R610529		66	1.4	13.6	59	34.0
R610530		67	2.3	13.0	53	33.5
R610531		63	2.5	13.1	54	32.6
R610532		66	4.0	13.9	574	32.0
R610533		67	1.4	13.5	97	34.4
R610534		75	2.5	13.9	74	38.5
R610535		65	1.7	10.1	968	28.7
R610536		2	0.1	0.8	21	<0.5
R610537		69	2.5	11.8	84	42.9
R610538		67	2.0	12.6	78	39.8
R610539		60	2.7	11.0	480	27.4
R610540		68	2.0	13.4	239	32.6
R610541		64	5.8	11.0	862	27.9
R610542		63	3.4	13.3	758	27.0
R610543		67	1.7	15.1	45	32.2
R610544		72	2.0	15.8	49	31.1
R610545		64	4.2	12.0	86	29.0
R610546		63	4.3	11.9	85	27.6
R610547		71	2.1	15.7	65	32.8
R610548		75	2.1	12.9	53	58.3
R610549		69	2.1	14.6	49	32.0
R610550		68	3.7	17.5	1920	27.9
R610551		58	3.6	10.5	4170	23.6
R610552		2	0.1	0.8	28	<0.5
R610553		69	7.0	13.8	2000	27.7
R610554		65	6.4	11.7	2880	26.7
R610555		67	4.6	16.2	1760	19.9
R610556		61	5.6	11.4	3080	23.8

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: KLAZA

Finalized Date: 25-JUL-2015
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH15102127

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	ME-MS61

ALS Canada Ltd.

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 25-JUL-2015
Account: ROCKHA

CERTIFICATE WH15102133

Project: KLAZA

P.O. No.: BATCH 49

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 13-JUL-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21d	Sample logging - ClientBarCode Dup
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
BAG-06	Double Bagging Coarse Rejects
SPL-21d	Split sample - duplicate
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31d	Pulverize Split - duplicate

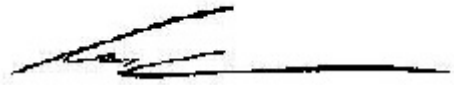
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.

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VANCOUVER BC V6B 1L8

Finalized Date: 25-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15102133

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-AA24 Au ppm 0.005	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05	ME-MS61 Cu ppm 0.2
R610155		1.88	0.020	0.64	5.68	424	600	1.53	0.26	4.06	0.87	44.5	8.9	8	16.35	13.5
R610156		3.57	<0.005	0.31	6.98	15.0	1670	1.80	1.10	2.69	0.23	43.6	9.9	10	11.75	60.9
R610157		3.60	0.013	1.13	6.86	147.5	920	1.59	1.05	2.45	1.58	45.5	8.1	8	16.10	37.6
R610158		<0.02	0.010	1.10	6.68	144.0	900	1.62	1.29	2.36	1.47	42.5	7.8	8	16.30	35.5
R610159		4.42	0.079	1.18	7.43	56.2	1560	1.58	0.85	1.73	3.07	48.3	9.8	9	14.45	22.6
R610160		2.52	0.169	4.02	5.56	158.5	370	1.40	0.74	3.31	2.71	38.9	18.6	9	10.55	33.5
R610161		4.96	<0.005	0.03	0.08	<0.2	20	0.07	0.03	19.25	0.09	1.39	0.8	<1	0.24	1.6
R610162		4.10	<0.005	0.27	6.47	18.1	500	1.65	0.20	2.52	0.96	49.2	12.6	7	24.2	15.7
R610163		5.60	0.010	0.18	7.32	10.2	780	1.56	0.25	1.53	0.35	36.2	7.5	8	22.5	10.6
R610164		0.31	1.745	38.0	5.68	2440	1580	1.33	35.2	1.60	44.6	39.4	16.9	21	10.25	1150
R610165		3.92	0.223	8.52	6.24	712	340	1.31	1.41	2.14	27.5	44.4	8.7	8	10.30	134.5
R610166		3.47	<0.005	0.77	6.78	42.2	790	1.68	0.16	2.22	11.25	40.2	7.7	8	18.00	11.0
R610167		1.69	0.284	11.70	6.56	734	990	1.56	0.18	1.11	35.3	45.4	9.6	8	13.65	44.9
R610168		6.64	0.055	0.48	7.12	97.1	1270	1.61	0.28	1.88	2.36	42.0	7.7	8	12.95	15.7
R610169		5.75	0.064	1.78	6.26	136.0	580	1.56	0.78	2.51	9.71	38.6	8.0	6	14.20	32.8
R610170		9.03	<0.005	0.18	7.08	16.4	2150	1.63	0.26	2.78	0.23	44.4	7.4	13	16.30	10.0
R610171		3.02	<0.005	0.14	6.80	8.3	1560	1.60	0.26	2.41	0.13	40.3	7.8	9	15.30	15.4
R610172		3.50	<0.005	0.17	7.13	14.6	1400	1.61	0.48	1.78	0.37	42.3	9.0	10	13.25	6.5
R610173		0.34	0.392	4.59	6.64	703	1220	1.53	3.60	2.01	10.85	47.0	12.6	24	13.30	315
R610174		7.98	0.008	0.31	6.58	75.0	1560	1.56	0.24	2.09	0.60	41.2	9.2	11	14.95	15.3
R610175		2.62	0.008	0.86	6.87	41.6	1040	1.57	0.33	2.47	3.45	41.3	7.4	11	15.70	36.4
R610176		5.30	0.060	0.31	6.86	18.1	1640	1.69	0.35	1.57	0.52	33.2	9.9	11	21.4	13.6
R610177		2.78	1.185	6.81	7.25	730	1020	1.42	5.62	1.22	8.36	47.4	52.7	9	17.35	95.5
R610178		4.80	0.350	0.56	8.12	1075	1160	2.10	0.23	2.42	1.76	69.3	7.7	45	31.5	17.0
R610179		6.78	0.006	0.44	6.80	36.8	610	1.69	0.34	2.48	2.77	47.5	8.7	10	18.60	13.9
R610180		5.88	<0.005	0.08	6.58	7.3	1930	1.63	0.27	3.49	0.17	43.5	12.9	12	15.20	4.5
R610181		3.46	<0.005	0.07	6.50	6.3	1190	1.50	0.23	3.23	0.20	46.8	11.8	11	15.45	6.8
R610182		9.99	0.011	0.49	8.28	23.0	2310	1.56	0.35	0.34	11.10	54.1	9.1	10	18.30	29.6
R610183		7.77	<0.005	0.33	8.08	12.8	1640	1.65	0.20	0.25	10.90	59.8	7.1	9	17.25	58.9
R610184		4.55	0.013	3.96	7.88	21.9	1910	1.56	0.35	0.40	10.90	56.1	12.3	14	12.70	38.2
R610185		4.62	<0.005	0.03	0.06	<0.2	30	0.06	0.04	19.45	0.11	1.28	0.7	1	0.16	1.5
R610186		7.31	<0.005	2.96	7.37	16.8	1840	1.27	0.16	0.59	5.64	41.3	6.6	9	19.85	10.8
R610187		3.96	<0.005	0.61	7.97	13.1	1680	1.30	0.17	0.25	5.92	59.0	8.7	8	25.0	9.5
R610188		6.44	<0.005	0.41	7.96	17.9	1700	1.45	0.11	0.45	2.65	46.0	6.8	9	29.7	13.1
R610189		7.27	<0.005	0.13	6.73	11.1	1230	1.69	0.18	1.79	1.47	33.8	3.3	9	18.95	16.8
R610190		1.87	<0.005	0.32	6.79	24.5	760	1.79	0.14	2.28	2.07	35.5	5.1	10	16.45	17.6

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 25-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15102133

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
R610155		3.33	12.40	0.07	0.9	0.054	2.38	23.5	19.8	1.24	2700	1.29	0.03	6.4	3.0	460
R610156		3.25	16.40	0.08	1.3	0.053	2.36	19.8	21.3	0.98	742	1.40	1.70	8.6	2.7	640
R610157		3.39	15.50	0.07	1.0	0.099	2.93	22.8	61.5	0.76	2590	1.04	0.08	7.6	2.6	580
R610158		3.24	15.35	0.08	1.0	0.097	2.88	20.7	64.3	0.73	2460	1.13	0.08	7.5	2.6	570
R610159		3.98	16.85	0.08	1.0	0.162	2.95	23.9	52.7	0.81	1250	1.79	0.16	8.2	2.8	620
R610160		5.47	12.70	0.08	0.6	0.114	2.36	21.1	39.7	1.24	3050	2.55	0.02	5.4	2.8	430
R610161		0.49	0.24	0.14	<0.1	0.008	0.03	0.7	1.3	12.10	228	0.19	<0.01	0.1	1.6	150
R610162		2.73	14.15	0.13	0.9	0.051	1.43	26.1	242	0.88	1420	1.91	0.03	7.1	5.3	550
R610163		2.99	16.80	0.06	1.2	0.046	1.93	16.6	85.2	0.61	1060	10.05	0.05	8.6	2.2	710
R610164		8.69	13.65	0.07	0.9	1.510	2.51	19.2	17.7	0.66	2220	17.50	0.06	4.9	15.1	430
R610165		5.47	14.75	0.06	0.9	0.335	2.86	23.0	14.5	0.94	5170	14.05	0.02	6.6	2.7	500
R610166		3.28	16.80	0.07	1.1	0.070	2.65	18.7	45.7	0.77	2500	5.56	0.06	8.2	2.2	610
R610167		5.54	15.65	<0.05	0.9	0.360	2.97	23.4	14.7	0.60	6980	2.28	0.02	6.6	2.8	520
R610168		3.75	16.15	0.06	1.0	0.092	2.70	19.8	39.3	0.77	2450	6.39	0.04	7.8	2.1	620
R610169		4.41	14.30	0.05	1.1	0.196	2.44	18.7	26.7	0.79	3390	2.22	0.03	7.0	2.5	490
R610170		2.97	16.10	0.07	1.2	0.050	2.47	21.6	41.2	0.90	1620	1.81	0.05	8.2	2.6	590
R610171		3.03	16.45	0.07	0.9	0.041	2.71	18.9	31.5	0.77	1360	1.06	0.12	8.0	2.5	620
R610172		3.35	16.45	0.06	1.3	0.105	3.14	19.6	39.9	0.73	1550	4.48	0.07	9.0	2.7	630
R610173		4.91	15.35	0.06	1.1	0.305	2.87	24.7	28.0	0.77	1840	14.20	0.15	6.4	15.1	510
R610174		3.23	15.05	0.06	1.1	0.086	2.72	20.0	51.8	0.77	2040	1.75	0.04	7.6	2.4	580
R610175		2.89	16.00	0.08	1.2	0.090	3.25	19.8	19.4	0.82	5010	1.64	0.03	7.6	2.5	580
R610176		3.77	15.95	0.05	1.1	0.068	2.66	15.2	61.5	0.74	1240	0.91	0.07	7.5	2.7	600
R610177		4.71	16.00	0.07	1.1	0.272	2.84	23.8	39.0	0.64	1720	4.87	0.06	7.7	3.1	600
R610178		3.54	19.00	0.07	4.0	0.054	1.84	34.0	159.5	1.14	1390	1.21	0.04	10.9	12.6	1590
R610179		3.29	14.45	0.07	1.0	0.089	3.22	23.6	21.0	0.96	1760	3.61	0.03	7.5	2.3	600
R610180		4.22	14.00	0.06	1.0	0.141	3.08	21.2	30.2	0.85	1760	0.67	0.39	7.7	2.6	660
R610181		4.40	14.25	0.08	1.0	0.143	3.06	23.0	27.3	0.88	1740	0.61	0.33	8.0	2.9	670
R610182		3.38	17.15	0.06	1.3	0.086	2.84	25.2	28.9	0.35	1100	3.22	0.47	8.7	4.5	650
R610183		3.09	17.85	0.07	1.1	0.071	2.29	32.5	38.7	0.18	1100	2.53	0.16	8.1	3.3	620
R610184		3.15	17.00	0.06	1.1	0.100	2.56	27.0	28.7	0.38	1180	1.74	0.44	8.0	6.4	640
R610185		0.47	0.22	0.15	<0.1	0.007	0.02	0.6	1.0	12.15	214	<0.05	<0.01	0.1	1.4	150
R610186		2.55	15.90	0.10	1.2	0.053	1.93	20.6	125.0	0.15	677	1.74	0.07	8.5	2.9	600
R610187		2.69	16.15	0.06	1.2	0.044	2.28	31.2	58.4	0.20	849	1.29	0.09	8.5	3.0	590
R610188		2.77	16.90	<0.05	1.4	0.038	2.05	22.7	121.0	0.15	563	1.74	0.06	8.8	2.9	600
R610189		2.18	16.85	<0.05	1.1	0.174	1.67	15.0	113.0	0.34	775	1.10	0.05	8.0	2.2	570
R610190		2.46	16.90	0.05	1.1	0.112	2.01	15.5	68.2	0.46	965	1.22	0.06	8.7	3.3	620

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 25-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15102133

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
R610155		45.0	161.5	0.003	0.58	24.2	9.2	1	1.4	127.0	0.62	<0.05	10.8	0.197	2.53	4.5
R610156		21.9	89.6	0.003	0.14	9.71	13.0	1	2.0	348	0.69	0.17	11.4	0.293	1.30	4.2
R610157		117.0	146.5	0.005	0.44	18.85	10.7	1	2.3	130.0	0.61	0.05	11.6	0.249	2.23	3.6
R610158		114.0	136.5	0.004	0.41	19.05	10.6	1	2.2	130.5	0.62	<0.05	11.2	0.249	2.14	3.6
R610159		146.5	138.0	0.003	0.62	9.23	11.7	1	3.6	139.5	0.68	<0.05	13.2	0.268	1.84	3.8
R610160		479	169.5	0.005	2.19	39.9	9.1	1	2.9	87.1	0.44	0.10	9.9	0.190	2.02	8.1
R610161		2.3	1.9	0.002	<0.01	0.22	0.2	<1	<0.2	47.9	<0.05	<0.05	<0.2	<0.005	0.02	0.5
R610162		35.4	73.5	0.004	0.12	33.6	10.9	<1	1.7	177.0	0.58	<0.05	11.8	0.231	1.17	3.1
R610163		22.5	73.1	0.003	0.07	20.6	11.8	1	2.0	103.0	0.71	<0.05	11.1	0.304	1.22	2.9
R610164		1580	143.0	0.004	7.42	101.0	8.2	1	10.6	63.5	0.41	0.72	10.0	0.162	2.18	5.5
R610165		1120	183.5	0.004	2.92	70.5	10.5	<1	6.7	60.2	0.53	<0.05	11.6	0.228	2.52	5.5
R610166		268	95.0	0.002	0.26	14.75	10.9	1	2.0	115.5	0.66	<0.05	10.9	0.273	1.84	3.5
R610167		1400	186.0	0.002	2.81	49.5	10.3	1	4.2	73.0	0.53	<0.05	11.2	0.231	2.59	4.6
R610168		109.5	115.0	0.003	0.59	17.40	11.0	1	2.1	102.0	0.62	<0.05	11.4	0.269	1.97	3.5
R610169		419	119.0	0.002	2.50	24.6	9.2	<1	4.1	93.8	0.66	<0.05	12.2	0.214	1.96	9.8
R610170		19.1	108.0	0.003	0.32	15.20	10.6	1	1.9	129.5	0.77	<0.05	13.5	0.260	1.59	3.7
R610171		16.7	110.0	0.003	0.10	13.20	11.1	<1	1.6	125.0	0.66	<0.05	10.5	0.271	1.90	2.5
R610172		22.8	133.0	0.003	0.19	9.86	11.1	1	1.9	105.5	0.83	<0.05	12.4	0.277	2.14	4.3
R610173		464	140.5	0.007	2.62	29.1	8.8	1	5.7	105.0	0.52	0.35	11.0	0.203	2.48	5.0
R610174		29.2	116.0	0.002	0.41	15.60	10.3	1	1.8	116.0	0.64	<0.05	12.2	0.255	1.89	3.6
R610175		164.5	152.5	0.003	0.50	24.7	10.1	1	2.4	121.0	0.68	<0.05	11.4	0.254	2.84	5.7
R610176		19.8	103.0	0.003	0.25	15.45	10.7	1	1.9	133.0	0.61	0.06	10.5	0.263	1.63	6.7
R610177		507	140.0	0.003	2.50	60.2	11.3	1	2.4	95.4	0.65	2.06	13.3	0.253	1.97	8.7
R610178		73.7	70.8	0.003	0.30	21.0	9.6	1	1.5	389	0.69	<0.05	8.8	0.415	1.27	3.7
R610179		44.7	153.5	0.002	0.36	9.96	11.1	1	2.3	106.0	0.61	<0.05	12.5	0.257	2.40	3.9
R610180		12.1	148.5	0.002	0.70	4.67	12.1	<1	1.8	156.0	0.55	<0.05	10.7	0.287	2.08	3.2
R610181		11.6	146.0	0.002	0.57	4.89	12.6	1	2.1	135.0	0.59	<0.05	11.3	0.289	2.01	2.9
R610182		104.5	128.5	0.002	0.02	8.13	11.0	1	1.9	81.9	0.69	<0.05	15.5	0.261	1.55	4.1
R610183		22.9	116.5	<0.002	0.02	10.55	11.3	1	2.1	47.5	0.63	<0.05	15.2	0.244	1.45	4.3
R610184		41.6	121.5	0.002	0.13	8.38	10.5	1	2.4	77.2	0.64	<0.05	14.5	0.242	1.58	3.0
R610185		1.5	1.1	0.002	<0.01	0.12	0.2	<1	<0.2	46.1	<0.05	<0.05	<0.2	<0.005	<0.02	0.7
R610186		17.7	91.5	0.003	0.08	36.6	10.3	1	2.0	116.0	0.70	<0.05	12.7	0.250	1.05	3.1
R610187		16.5	107.0	0.002	0.03	26.7	11.4	1	2.0	59.3	0.70	<0.05	14.8	0.250	1.06	3.4
R610188		14.6	98.9	0.003	0.02	27.3	10.9	<1	2.1	68.8	0.75	<0.05	13.8	0.261	1.03	3.2
R610189		15.7	78.8	<0.002	0.06	27.6	9.1	<1	2.6	106.5	0.70	<0.05	9.6	0.236	1.55	2.5
R610190		57.7	86.2	0.003	0.08	14.90	9.7	1	2.4	98.9	0.69	<0.05	9.9	0.262	2.19	3.3

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 25-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15102133

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	V	W	Y	Zn	Zr
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	1	0.1	0.1	2	0.5
R610155		59	4.8	14.3	121	21.4
R610156		90	1.9	16.5	62	28.8
R610157		73	6.7	14.3	274	23.3
R610158		73	6.6	13.6	247	23.1
R610159		77	5.5	14.1	379	23.9
R610160		66	5.7	12.0	313	15.1
R610161		1	0.1	0.8	19	<0.5
R610162		68	8.3	14.9	130	21.4
R610163		83	14.5	11.9	77	26.7
R610164		54	7.4	9.1	3220	22.6
R610165		71	10.4	10.8	2480	20.4
R610166		79	7.8	13.3	851	25.9
R610167		70	6.2	10.6	2550	22.4
R610168		80	8.7	12.3	238	23.8
R610169		68	8.4	11.7	769	26.8
R610170		74	5.5	14.4	69	28.0
R610171		79	7.5	14.9	57	21.2
R610172		80	9.2	13.2	76	30.2
R610173		64	5.6	11.3	860	30.5
R610174		72	3.4	12.5	103	24.8
R610175		76	3.8	12.7	417	28.1
R610176		76	4.6	11.1	112	26.6
R610177		76	5.5	12.3	977	26.6
R610178		86	4.1	14.0	208	145.0
R610179		69	3.7	14.2	170	25.1
R610180		78	6.1	14.9	72	24.7
R610181		78	6.3	15.2	77	24.8
R610182		73	3.3	15.4	804	32.0
R610183		71	2.0	17.4	705	28.9
R610184		78	22.2	15.0	671	28.8
R610185		1	0.1	0.8	21	<0.5
R610186		67	17.0	13.6	359	30.0
R610187		68	4.4	17.8	379	30.1
R610188		70	3.5	15.8	233	33.3
R610189		68	2.9	11.6	167	27.6
R610190		73	3.2	12.4	280	28.8

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: KLAZA

Finalized Date: 25-JUL-2015
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH15102133

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	ME-MS61

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 28-JUL-2015
Account: ROCKHA

CERTIFICATE WH15102140

Project: KLAZA

P.O. No.: BATCH 50

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 13-JUL-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21d	Sample logging - ClientBarCode Dup
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
BAG-06	Double Bagging Coarse Rejects
SPL-21d	Split sample - duplicate
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31d	Pulverize Split - duplicate

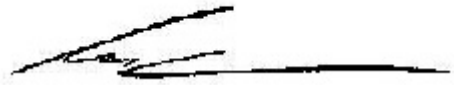
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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Finalized Date: 28-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15102140

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
R610557		1.59	0.546	7.74	7.22	786	1240	1.86	4.68	0.14	77.1	58.5	2.4	13	64.2	183.5
R610558		2.80	0.495	2.33	7.27	710	490	1.72	2.23	0.06	65.0	58.2	4.0	8	10.65	738
R610559		2.55	0.328	1.43	8.09	786	1270	1.78	1.08	0.19	15.15	65.2	3.8	9	15.00	1080
R610560		5.12	0.095	1.51	7.26	77.3	1640	1.41	1.14	0.30	56.5	58.9	7.5	7	17.50	98.5
R610561		0.30	0.892	11.50	6.68	1600	1150	1.44	12.35	1.88	33.3	53.5	18.1	18	14.40	290
R610562		2.08	1.445	4.02	5.78	4650	410	1.33	6.15	0.20	41.1	44.1	10.9	6	13.70	92.5
R610563		1.98	0.061	1.62	7.55	379	1050	1.68	1.18	0.25	47.2	63.2	6.2	8	19.35	59.4
R610564		5.57	0.006	0.09	7.82	65.3	2230	1.59	0.13	0.94	10.95	60.8	6.0	8	12.20	7.3
R610565		11.22	<0.005	0.07	7.64	12.5	2380	1.69	0.10	1.77	5.02	54.2	6.6	10	14.10	5.6
R610566		11.02	<0.005	0.09	7.71	8.6	2430	1.66	0.10	2.35	2.40	53.7	6.7	11	14.40	7.0
R610567		4.93	<0.005	0.09	7.36	7.2	2310	1.62	0.10	2.39	2.92	50.3	6.6	11	14.80	6.1
R610568		3.39	<0.005	0.23	8.08	12.6	2290	1.31	0.15	1.15	12.10	54.3	6.3	8	14.50	13.8
R610569		1.37	1.780	9.55	6.87	1185	1730	1.53	7.41	0.82	73.0	53.7	5.0	8	19.70	270
R610570		3.41	<0.005	0.26	7.66	33.4	2030	1.27	0.21	1.00	6.43	56.4	6.6	8	18.50	47.0
R610571		1.14	0.010	0.32	7.57	43.1	2240	1.40	0.17	1.03	7.99	59.9	7.5	8	18.50	21.0
R610572		3.66	0.017	1.19	8.12	57.1	1970	1.48	0.51	0.94	20.6	59.8	7.8	9	14.75	20.5
R610573		4.55	0.006	0.42	7.33	12.8	2500	1.58	0.47	2.62	2.18	54.7	8.0	10	11.95	26.3
R610574		1.55	0.899	13.60	6.42	391	590	1.47	9.43	1.57	69.1	48.0	7.3	7	14.85	821
R610575		0.31	0.346	4.71	7.03	753	710	1.44	3.62	2.13	11.15	55.2	13.0	26	14.25	324
R610576		6.74	0.089	0.60	7.17	42.6	2210	1.61	0.40	2.45	11.70	47.4	7.5	9	16.55	36.1
R610577		4.31	<0.005	0.12	7.59	8.7	2420	1.68	0.15	2.09	4.40	49.9	5.7	10	13.90	5.9
R610578		2.41	0.899	2.06	7.23	656	780	1.58	0.79	1.65	20.2	52.7	5.0	8	20.6	16.4
R610579		5.37	<0.005	0.02	0.07	0.5	100	0.07	0.03	20.9	0.15	1.46	0.8	1	0.22	2.5
R610580		1.86	0.976	6.20	5.96	6240	280	1.14	1.73	1.10	54.0	51.0	8.3	54	13.50	234
R610581		2.38	0.182	4.09	7.19	162.0	1020	1.46	3.33	1.25	40.8	57.2	5.9	9	18.25	97.1
R610582		<0.02	0.273	4.23	7.42	160.5	1050	1.49	3.47	1.29	40.9	56.6	5.9	9	18.30	96.2
R610583		5.19	0.030	0.99	7.26	37.6	2260	1.62	1.00	2.03	6.50	53.9	6.0	8	15.90	57.3
R610584		8.17	<0.005	0.27	6.78	7.8	2070	1.61	0.13	2.42	1.94	42.7	5.9	9	16.55	6.5
R610585		2.08	0.268	1.82	7.09	1170	1550	1.69	0.70	2.72	17.30	61.6	7.2	7	23.0	23.2
R610586		3.68	0.057	0.81	7.14	89.6	2270	1.64	0.19	2.01	5.73	49.9	6.2	8	16.65	14.7
R610587		4.42	1.095	9.48	6.23	540	810	1.41	9.41	0.91	116.5	50.9	6.5	8	16.30	235
R610588		4.99	<0.005	0.02	0.08	<0.2	30	0.06	0.03	20.4	0.14	1.37	0.6	1	0.26	2.7
R610589		2.55	0.008	0.15	7.02	12.2	2360	1.46	0.16	2.43	8.90	44.8	6.4	7	11.35	5.2
R610590		4.46	<0.005	0.07	7.65	6.1	2160	1.19	0.09	1.82	0.98	47.4	4.4	7	11.20	6.4
R610591		10.12	0.013	0.11	7.77	7.9	2540	1.78	0.11	2.25	0.81	50.8	6.3	11	19.85	7.1
R610592		10.82	0.017	0.19	7.70	31.2	2010	1.51	0.11	2.04	0.81	47.9	3.9	8	15.70	4.2

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 28-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15102140

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
R610557		4.78	17.45	0.15	1.3	1.160	2.42	33.4	37.9	0.23	138	14.50	0.03	7.2	1.5	620
R610558		5.42	16.95	0.14	1.3	1.180	3.45	32.8	9.0	0.28	183	3.54	0.03	7.5	2.0	350
R610559		3.59	17.65	0.15	1.0	1.380	2.56	36.0	148.5	0.20	244	6.52	0.03	7.9	1.9	750
R610560		4.43	16.30	0.13	1.1	0.567	2.86	33.3	48.8	0.35	1060	1.33	0.04	6.8	3.7	560
R610561		6.63	16.05	0.14	1.2	0.794	2.89	29.0	19.5	0.78	1830	9.00	0.13	6.7	12.1	550
R610562		8.26	13.90	0.13	0.8	0.248	2.56	23.7	13.1	0.37	1420	6.57	0.02	5.9	2.2	430
R610563		5.26	16.90	0.14	1.2	0.372	3.09	35.6	29.2	0.35	1860	2.41	0.04	8.1	2.7	610
R610564		3.10	17.50	0.13	1.3	0.039	3.03	33.6	18.3	0.56	422	2.02	1.36	9.2	3.0	630
R610565		3.00	17.30	0.15	1.1	0.037	2.82	28.9	14.9	0.74	406	1.02	2.52	8.5	2.9	610
R610566		3.07	17.50	0.14	1.3	0.038	2.83	27.4	14.8	0.82	493	3.87	2.60	8.9	2.6	630
R610567		2.93	17.30	0.15	1.2	0.037	2.75	25.3	15.3	0.76	477	3.53	2.44	8.7	2.8	600
R610568		3.32	18.00	0.14	1.2	0.076	3.19	28.6	29.8	0.46	766	2.89	0.21	9.1	2.5	630
R610569		3.83	15.50	0.11	1.1	1.620	2.85	30.6	27.2	0.46	1180	13.55	0.04	7.0	2.2	510
R610570		2.78	17.10	0.13	1.3	0.057	2.64	30.3	47.6	0.42	665	1.31	0.08	8.9	2.6	640
R610571		2.94	17.00	0.14	1.2	0.052	2.95	34.1	62.3	0.44	866	2.95	0.10	8.4	2.9	600
R610572		3.58	17.95	0.14	1.3	0.206	3.07	33.0	30.7	0.49	744	4.73	0.61	9.1	2.7	650
R610573		2.94	16.95	0.16	1.2	0.100	2.91	28.5	8.8	0.72	642	2.24	1.88	8.4	2.7	590
R610574		6.17	15.35	0.13	1.1	2.30	2.96	25.4	12.0	0.61	4850	4.42	0.09	6.5	2.4	490
R610575		5.20	16.40	0.14	1.6	0.295	3.07	32.0	26.0	0.81	1920	15.45	0.16	6.5	14.8	530
R610576		3.45	17.25	0.14	1.3	0.160	2.88	23.5	14.7	0.71	888	2.12	1.63	8.9	2.7	630
R610577		3.13	17.45	0.14	1.2	0.041	3.08	25.8	17.2	0.70	460	26.2	2.12	8.4	2.5	610
R610578		4.58	16.60	0.14	1.1	0.230	3.34	29.7	30.8	0.70	2200	5.23	0.07	7.2	2.3	550
R610579		0.52	0.23	0.10	<0.1	0.008	0.03	0.7	1.0	13.20	227	0.16	0.01	0.2	1.6	180
R610580		7.81	14.40	0.12	1.9	1.320	2.71	30.4	24.1	0.65	2570	14.70	0.02	4.9	11.4	790
R610581		4.49	17.10	0.14	1.0	0.756	3.32	31.9	20.0	0.62	1950	7.26	0.05	7.9	2.8	580
R610582		4.59	17.30	0.15	1.0	0.765	3.39	31.6	20.5	0.64	1970	7.29	0.05	7.9	2.8	610
R610583		3.60	17.30	0.14	1.2	0.108	3.19	27.7	17.8	0.70	923	2.57	1.16	8.8	3.0	700
R610584		3.10	16.45	0.13	1.1	0.057	2.73	20.7	16.0	0.69	668	1.04	1.83	8.5	2.4	590
R610585		4.70	16.45	0.14	1.2	0.445	3.05	35.1	19.1	1.10	2980	1.16	0.06	7.4	2.6	550
R610586		3.45	16.75	0.15	1.3	0.107	3.35	25.9	30.0	0.72	689	2.06	0.91	8.7	2.4	590
R610587		4.82	14.95	0.13	1.2	1.530	2.80	28.7	44.2	0.60	2100	1.47	0.03	6.7	2.4	470
R610588		0.48	0.29	0.17	<0.1	<0.005	0.03	0.7	1.2	12.75	217	0.27	0.01	0.2	1.6	180
R610589		2.71	15.10	0.21	1.2	0.044	2.42	24.5	179.5	0.74	780	0.79	0.12	7.9	2.6	590
R610590		2.77	15.95	0.18	1.4	0.033	2.99	25.1	23.8	0.39	456	1.48	0.48	8.3	1.9	620
R610591		3.12	15.80	0.18	1.0	0.038	2.86	27.3	20.6	0.81	467	3.47	2.63	8.3	2.6	650
R610592		2.89	16.15	0.17	1.1	0.034	2.96	25.4	28.5	0.58	515	1.86	1.24	8.2	2.2	630

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Finalized Date: 28-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15102140

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
R610557		1680	176.5	<0.002	1.24	63.0	10.7	1	8.0	467	0.58	0.05	14.5	0.240	2.95	9.2
R610558		779	254	<0.002	4.19	46.3	10.3	1	6.7	27.7	0.65	0.07	15.4	0.222	3.44	7.4
R610559		815	180.0	<0.002	0.69	61.9	9.7	<1	3.0	141.5	0.64	0.05	16.9	0.244	2.56	9.8
R610560		474	188.5	<0.002	0.85	39.0	9.3	1	2.5	68.9	0.57	0.06	15.2	0.209	2.83	5.9
R610561		1310	184.5	<0.002	4.64	64.7	9.5	1	8.1	100.5	0.58	0.94	13.4	0.211	2.64	6.2
R610562		430	173.5	<0.002	5.98	42.1	8.2	1	4.6	23.8	0.49	0.30	11.3	0.179	2.60	3.8
R610563		633	185.5	<0.002	1.05	17.75	11.1	2	3.2	30.8	0.69	0.05	15.6	0.244	3.03	4.9
R610564		40.9	136.5	<0.002	0.03	8.10	10.6	1	1.6	206	0.79	<0.05	17.1	0.264	1.29	3.1
R610565		22.0	115.0	<0.002	0.02	3.85	10.2	<1	1.6	363	0.70	<0.05	13.9	0.265	1.05	2.4
R610566		18.5	111.0	<0.002	0.01	2.23	10.9	1	1.6	389	0.73	<0.05	13.7	0.267	1.11	3.5
R610567		18.0	104.0	<0.002	0.02	2.31	10.2	1	1.6	381	0.72	<0.05	13.2	0.257	1.09	3.3
R610568		96.2	138.5	<0.002	0.08	24.2	11.8	1	2.0	84.8	0.77	<0.05	14.7	0.273	1.55	4.1
R610569		1710	159.5	<0.002	1.12	55.7	10.7	<1	4.1	35.3	0.62	<0.05	14.2	0.211	2.19	5.5
R610570		23.8	121.0	<0.002	0.10	37.3	11.3	<1	1.6	70.8	0.76	<0.05	15.5	0.259	1.31	3.2
R610571		30.3	154.0	<0.002	0.23	40.6	10.6	1	1.6	111.5	0.71	<0.05	16.3	0.244	1.59	4.8
R610572		305	161.5	<0.002	0.18	12.15	11.0	1	2.3	110.0	0.77	<0.05	16.3	0.264	1.61	3.9
R610573		25.3	124.5	<0.002	0.12	3.44	10.3	1	1.5	308	0.71	<0.05	13.9	0.243	1.50	3.9
R610574		800	180.0	<0.002	2.25	48.6	9.2	<1	2.5	90.8	0.56	<0.05	12.1	0.191	2.81	4.1
R610575		502	183.5	0.003	2.76	29.2	9.6	1	5.8	114.5	0.54	0.36	13.1	0.214	2.56	5.9
R610576		156.0	119.0	<0.002	0.22	6.68	10.6	<1	2.0	287	0.72	<0.05	11.5	0.270	1.75	3.2
R610577		21.2	127.0	0.011	0.02	4.31	10.2	1	1.9	330	0.68	<0.05	13.7	0.259	1.42	2.5
R610578		819	207	<0.002	2.26	12.60	10.2	<1	5.9	61.4	0.58	<0.05	14.3	0.229	3.16	4.6
R610579		2.8	1.5	<0.002	<0.01	0.13	0.2	<1	<0.2	49.9	<0.05	<0.05	0.2	<0.005	<0.02	2.5
R610580		562	197.5	<0.002	5.61	113.0	17.1	1	6.9	21.9	0.33	0.05	7.3	0.278	2.81	7.5
R610581		866	210	0.002	1.66	28.0	11.3	<1	4.7	54.7	0.64	<0.05	15.1	0.234	3.06	4.5
R610582		892	215	<0.002	1.72	28.0	11.4	1	4.8	55.3	0.65	<0.05	15.5	0.242	3.15	4.6
R610583		113.5	135.0	<0.002	0.27	8.75	11.1	1	2.6	202	0.70	<0.05	13.0	0.271	2.09	3.9
R610584		178.5	95.4	<0.002	0.05	3.77	9.7	<1	1.9	283	0.70	<0.05	10.5	0.254	1.35	3.4
R610585		629	183.0	<0.002	1.25	10.80	10.0	1	7.3	100.0	0.64	0.06	14.9	0.219	2.82	5.4
R610586		164.0	135.0	<0.002	0.26	8.16	10.1	1	2.0	175.0	0.73	<0.05	12.5	0.248	1.92	3.8
R610587		1230	171.5	<0.002	2.30	45.1	9.2	1	6.1	38.1	0.60	<0.05	12.6	0.192	2.43	5.0
R610588		1.9	1.8	<0.002	<0.01	0.15	0.2	<1	<0.2	45.0	<0.05	<0.05	<0.2	<0.005	<0.02	0.5
R610589		38.7	80.6	<0.002	0.06	14.60	9.4	<1	1.4	185.5	0.68	<0.05	11.9	0.247	1.16	1.8
R610590		18.9	103.0	<0.002	0.01	11.50	9.3	1	1.9	109.5	0.75	<0.05	13.2	0.254	1.17	2.5
R610591		18.0	97.6	<0.002	0.01	3.69	9.9	1	1.6	380	0.67	<0.05	12.1	0.264	0.98	2.5
R610592		26.5	106.5	<0.002	0.14	7.86	9.8	1	2.1	200	0.69	<0.05	12.6	0.265	1.46	3.6

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CERTIFICATE OF ANALYSIS WH15102140

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	V	W	Y	Zn	Zr
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	1	0.1	0.1	2	0.5
R610557		73	8.7	7.9	1600	38.9
R610558		64	7.0	10.4	628	31.9
R610559		70	5.0	11.1	856	26.8
R610560		66	3.4	12.8	2480	23.2
R610561		64	6.3	12.0	2400	31.5
R610562		55	7.7	11.3	1150	21.7
R610563		68	6.8	15.9	2800	29.1
R610564		72	4.1	15.7	818	32.0
R610565		73	2.2	15.4	268	28.6
R610566		75	1.9	17.9	123	32.8
R610567		71	2.1	16.7	131	30.5
R610568		76	3.7	17.8	501	31.4
R610569		70	3.8	14.0	3500	26.7
R610570		73	5.2	15.8	303	32.4
R610571		70	2.8	18.5	394	30.2
R610572		73	3.3	17.0	1240	33.0
R610573		67	1.1	16.5	154	31.0
R610574		57	3.7	13.7	3910	26.4
R610575		70	5.8	12.3	910	32.0
R610576		75	2.0	16.0	648	31.1
R610577		71	2.0	16.3	313	30.1
R610578		64	5.8	12.5	1230	27.6
R610579		2	0.1	0.9	22	<0.5
R610580		118	7.7	13.2	3720	64.0
R610581		71	4.6	13.0	2680	26.2
R610582		73	4.8	14.3	2750	27.6
R610583		76	2.8	16.2	756	31.4
R610584		72	2.1	14.3	231	30.6
R610585		63	5.1	15.8	1280	31.4
R610586		70	3.1	15.0	627	33.1
R610587		56	5.3	12.5	8320	27.8
R610588		2	0.1	0.8	21	<0.5
R610589		67	2.6	14.9	559	30.7
R610590		69	2.4	16.3	276	37.9
R610591		74	2.2	16.8	153	28.3
R610592		71	2.3	15.7	193	30.2

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VANCOUVER BC V6B 1L8

Project: KLAZA

Finalized Date: 28-JUL-2015
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH15102140

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	ME-MS61

ALS Canada Ltd.

2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 27-JUL-2015
Account: ROCKHA

CERTIFICATE WH15102145

Project: KLAZA

P.O. No.: BATCH 56

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 13-JUL-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
CRU-32	Fine Crushing 90% <2mm
SPL-21	Split sample - riffle splitter
PUL-35a	Pulv 1 kg split to 95%<106 um
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate
PUL-35ad	Pulv 1 kg split to 95%<106 um DUP
BAG-01	Bulk Master for Storage
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
BAG-06	Double Bagging Coarse Rejects
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Zn-OG62	Ore Grade Zn - Four Acid	VARIABLE
As-OG62	Ore Grade As - Four Acid	VARIABLE
Au-AA24	Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
ME-MS61	48 element four acid ICP-MS	
Ag-OG62	Ore Grade Ag - Four Acid	VARIABLE
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Cu-OG62	Ore Grade Cu - Four Acid	VARIABLE
Pb-OG62	Ore Grade Pb - Four Acid	VARIABLE

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
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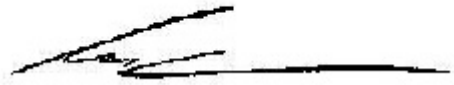
This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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CERTIFICATE OF ANALYSIS WH15102145

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-AA24 Au ppm 0.005	Au-GRA22 Au ppm 0.05	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05
R499309		1.56	2.78		>100	4.67	3070	790	1.05	14.10	0.64	513	24.0	7.6	10	8.14
R499310		2.09	0.293		98.3	1.68	672	460	0.55	4.90	12.50	43.7	14.45	7.5	5	4.64
R499311		3.01	0.353		54.2	4.65	579	400	1.13	1.05	4.33	48.1	32.3	9.3	12	9.08
R499312		2.38	1.075		45.0	3.25	>10000	450	0.93	0.24	2.84	92.3	30.9	6.5	8	5.68
R499313		0.17	>10.0	13.75	>100	4.36	154.0	790	0.48	1.90	2.01	816	18.90	62.0	46	1.30
R499314		1.29	0.471		4.84	5.75	258	1470	1.29	7.49	2.18	2.91	46.9	218	10	7.52
R499315		3.76	8.16		>100	1.43	3860	180	0.35	112.5	0.97	140.5	12.85	97.5	23	1.33
R499316		4.97	0.008		0.33	0.05	3.9	20	0.05	0.20	20.1	0.29	1.08	0.8	2	0.14
R499317		1.24	0.074		3.74	5.76	146.0	1130	2.54	0.79	8.60	3.02	56.3	7.5	10	30.4
R499318		1.51	2.78		43.8	4.94	8970	1030	1.21	10.10	4.14	36.0	41.5	10.7	10	10.85
R499319		2.21	>10.0	13.40	>100	2.62	>10000	320	0.61	56.0	1.88	567	27.2	24.5	10	3.22
R499320		0.91	2.49		>100	5.66	>10000	1920	1.62	1.90	1.29	511	35.3	17.9	9	28.4
R499321		0.35	1.800		41.4	5.92	2570	1390	1.26	35.6	1.68	43.7	39.7	18.6	21	10.20
R499322		2.04	>10.0	21.9	>100	3.35	>10000	740	1.01	29.8	1.86	349	39.4	76.0	11	8.61
R499323		3.82	6.90		>100	2.44	>10000	520	0.80	13.50	1.41	445	10.65	6.7	14	7.51
R499324		4.65	0.025		0.48	0.06	24.0	30	0.05	0.07	20.5	0.75	1.24	1.1	1	0.40
R499325		4.22	0.023		0.80	7.27	103.5	470	1.38	0.20	2.64	2.09	57.2	8.0	12	17.90
R499326		<0.02	0.019		0.58	7.14	92.4	450	1.40	0.16	2.58	1.81	57.5	8.3	10	18.80
R499327		2.60	0.309		2.71	2.65	582	310	0.58	0.71	7.55	5.08	24.2	11.4	9	5.76
R499328		1.72	5.87		85.0	3.43	>10000	360	0.64	4.85	0.31	93.7	17.55	20.7	14	5.57
R499329		2.16	6.14		>100	6.45	9190	540	1.41	5.54	1.39	253	45.3	8.4	10	18.35
R499330		2.51	0.208		7.05	6.55	126.5	2300	1.62	1.14	2.53	17.25	43.3	6.3	10	26.9
R499331		<0.02	0.181		7.01	6.92	119.0	2460	1.57	1.19	2.80	17.55	45.8	6.9	10	27.2
R499332		4.01	5.64		81.0	6.56	>10000	1300	1.68	4.31	2.25	102.0	44.8	7.7	9	24.8
R499333		3.45	3.03		67.4	7.68	7730	1370	1.94	8.01	1.60	144.5	53.3	7.8	11	28.1
R499334		1.62	1.230		84.9	5.95	3370	2030	1.78	4.08	3.24	270	44.5	12.0	15	22.8
R499335		2.47	1.355		>100	2.08	>10000	240	0.44	1.78	3.49	845	15.80	14.0	8	5.99
R499336		3.29	0.116		21.5	8.10	1070	1890	1.46	0.39	1.42	19.55	50.3	7.5	10	21.2
R499338		3.05	>10.0	28.4	>100	2.04	9930	830	0.53	693	1.00	67.9	12.65	59.0	9	8.60
R499339		2.03	>10.0	29.3	>100	4.88	>10000	1070	0.97	68.0	0.10	384	16.70	16.8	11	8.39
R499340		1.96	>10.0	16.35	50.8	6.00	>10000	840	1.13	22.6	0.17	95.9	40.3	22.9	15	9.63
R499341		2.10	>10.0	13.50	>100	2.12	2770	2790	0.48	110.0	0.04	>1000	13.15	6.6	8	8.44
R499342		2.16	1.670		5.03	7.39	542	330	1.39	4.32	0.04	39.2	50.1	3.6	13	9.98
R499343		1.65	1.260		4.29	6.41	1220	330	1.42	2.88	0.43	20.2	58.4	18.6	66	10.60
R499344		2.32	>10.0	15.05	>100	2.84	8710	3170	0.63	145.0	0.32	215	14.55	10.3	18	3.69
R499345		4.39	1.275		12.35	5.96	801	600	1.73	9.49	0.18	38.7	11.85	95.8	12	7.37

***** See Appendix Page for comments regarding this certificate *****

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CERTIFICATE OF ANALYSIS WH15102145

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni
	Units	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	LOR	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2
R499309		1395	7.13	11.45	0.06	0.8	32.1	2.06	11.9	12.6	0.33	3570	2.81	0.02	4.8	3.6
R499310		438	9.71	4.04	<0.05	0.2	0.661	0.67	7.4	11.3	1.70	33000	0.56	0.01	1.6	1.1
R499311		150.0	6.79	10.10	<0.05	0.7	1.260	2.06	15.8	17.8	1.66	12800	1.04	0.02	4.5	2.5
R499312		156.0	14.60	7.88	0.05	0.5	3.12	1.47	17.0	12.5	1.35	36600	0.94	0.02	3.1	2.0
R499313		>10000	9.14	16.20	0.09	0.6	3.08	0.81	9.5	6.8	0.79	1660	149.0	1.06	2.2	19.3
R499314		29.4	10.75	13.80	0.05	0.7	0.192	2.43	24.5	38.0	1.10	2080	1.44	0.04	5.7	4.8
R499315		2230	16.05	4.42	<0.05	0.2	1.625	0.67	7.1	14.8	0.13	921	22.3	0.01	1.4	3.1
R499316		8.2	0.49	0.18	<0.05	<0.1	0.008	0.02	0.5	1.0	12.55	223	0.18	<0.01	0.1	1.3
R499317		73.8	3.63	13.20	<0.05	2.0	0.057	1.70	30.4	38.4	3.27	1890	47.5	0.06	8.6	4.4
R499318		503	6.71	12.20	<0.05	1.0	0.701	1.92	22.2	30.9	1.58	1150	15.55	0.03	5.7	6.5
R499319		1665	8.79	8.07	<0.05	0.5	3.34	1.19	16.5	12.2	0.64	3000	3.22	0.01	2.6	3.0
R499320		405	5.21	15.30	<0.05	1.8	2.48	2.08	18.7	37.0	0.59	1460	12.50	0.04	6.1	6.4
R499321		1215	9.28	14.90	0.05	0.9	1.625	2.64	21.6	17.4	0.70	2360	17.65	0.06	5.0	15.2
R499322		1080	15.95	9.74	<0.05	1.0	13.65	1.35	19.7	23.7	0.72	7270	20.4	0.02	3.5	6.7
R499323		1720	7.72	6.89	<0.05	0.4	8.16	1.05	3.6	46.7	0.39	4140	66.9	0.01	2.5	3.5
R499324		5.8	0.52	0.21	<0.05	<0.1	0.022	0.03	0.6	1.1	12.60	239	0.23	<0.01	0.2	1.6
R499325		27.2	5.72	15.55	0.05	1.1	0.223	3.08	31.5	69.7	0.97	3210	0.75	0.03	7.1	2.5
R499326		25.6	5.68	16.10	0.06	1.2	0.229	3.02	31.6	69.8	0.98	3250	0.81	0.03	7.3	2.7
R499327		22.3	8.48	6.11	<0.05	0.4	0.508	1.16	13.1	18.6	1.75	8820	3.79	0.01	2.6	2.7
R499328		222	11.50	9.06	<0.05	0.6	0.363	1.54	9.0	16.5	0.20	470	8.10	0.02	2.6	2.9
R499329		786	5.57	15.30	<0.05	1.7	1.295	2.78	25.1	33.5	0.69	1390	4.73	0.03	7.3	3.0
R499330		37.4	2.87	15.10	0.05	1.1	0.159	2.70	23.5	22.8	0.95	1510	11.25	0.03	6.8	2.3
R499331		40.5	3.10	15.25	0.07	1.2	0.158	2.91	25.0	24.5	1.06	1700	11.70	0.03	7.0	2.6
R499332		651	6.42	15.05	0.06	1.6	1.505	2.59	24.2	24.7	0.88	1480	2.45	0.03	7.0	2.6
R499333		331	4.65	17.90	0.09	1.9	2.57	3.01	28.5	25.6	0.65	1210	7.28	0.04	8.6	4.1
R499334		133.5	3.57	14.75	0.06	1.9	4.00	1.80	23.7	72.4	1.10	1800	3.55	0.04	7.1	7.9
R499335		984	10.45	5.72	<0.05	0.3	12.30	0.86	8.3	24.4	1.05	7420	57.6	0.01	2.2	4.0
R499336		152.5	4.72	17.35	0.07	1.2	0.465	2.41	27.7	59.9	0.71	4150	5.63	0.04	8.6	2.6
R499338		>10000	22.5	5.54	0.07	0.4	5.64	0.76	6.2	13.3	0.44	6930	49.0	0.01	2.0	3.0
R499339		4270	17.25	14.35	0.06	0.6	6.74	2.34	7.6	9.1	0.18	598	15.90	0.02	4.2	2.8
R499340		671	13.50	14.20	0.05	0.9	1.760	2.84	21.9	10.2	0.25	1020	51.9	0.02	5.4	2.3
R499341		7380	14.10	7.61	<0.05	0.3	59.0	0.88	6.3	9.3	0.07	917	8.75	<0.01	1.9	1.8
R499342		270	4.87	19.20	0.07	1.2	1.270	3.51	27.7	8.1	0.24	172	1.77	0.03	7.7	1.9
R499343		30.4	10.60	15.50	0.08	1.8	0.444	3.02	34.2	16.5	0.31	523	14.20	0.03	5.3	15.9
R499344		2650	16.10	7.23	<0.05	0.4	5.55	1.30	6.8	23.6	0.19	411	14.60	0.02	2.3	2.7
R499345		151.0	16.15	13.45	<0.05	0.5	1.100	2.91	3.0	13.1	0.22	649	4.10	0.04	4.1	2.9

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Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
	LOR	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02
R499309		310	>10000	109.0	<0.002	9.28	304	6.7	1	6.2	25.6	0.40	0.30	7.1	0.142	2.08
R499310		110	7000	42.9	<0.002	1.70	298	3.3	1	0.7	326	0.14	0.12	3.0	0.053	0.66
R499311		350	2650	144.5	<0.002	2.13	126.0	8.0	1	2.3	179.0	0.35	0.10	7.7	0.154	2.03
R499312		240	1845	111.0	<0.002	2.41	171.5	5.4	1	2.7	71.7	0.25	<0.05	5.6	0.102	1.46
R499313		530	>10000	27.8	0.070	>10.0	169.5	11.6	9	17.9	221	0.15	0.47	1.9	0.171	7.66
R499314		400	191.5	144.0	0.005	8.10	10.10	9.4	3	4.1	119.0	0.45	4.88	9.9	0.184	1.99
R499315		100	6510	45.8	0.007	>10.0	442	3.7	3	10.9	23.6	0.11	6.07	2.1	0.054	0.64
R499316		150	13.4	1.2	<0.002	0.01	1.05	0.2	<1	0.2	47.3	<0.05	<0.05	<0.2	<0.005	<0.02
R499317		690	268	95.3	0.024	0.59	34.4	5.6	1	1.8	453	0.57	<0.05	9.0	0.207	2.18
R499318		410	3650	116.5	0.005	5.52	213	7.0	1	6.2	188.0	0.43	0.30	7.7	0.168	2.49
R499319		180	>10000	77.0	0.002	>10.0	595	4.1	1	11.3	37.6	0.22	1.55	4.7	0.085	1.22
R499320		530	>10000	125.0	0.002	5.45	127.0	7.4	1	7.0	244	0.47	0.28	8.4	0.202	1.88
R499321		440	1780	156.0	0.003	8.02	105.5	9.3	2	11.1	68.8	0.41	0.70	9.7	0.167	2.35
R499322		230	>10000	70.7	0.002	>10.0	396	5.6	1	6.4	120.0	0.28	2.34	6.0	0.103	1.29
R499323		150	>10000	73.0	0.027	8.24	718	3.4	1	10.3	69.1	0.20	0.09	3.4	0.074	1.42
R499324		150	53.7	2.0	<0.002	0.03	1.13	0.2	<1	<0.2	51.8	<0.05	<0.05	<0.2	<0.005	<0.02
R499325		610	165.5	182.5	0.002	0.97	18.55	11.6	<1	3.4	118.5	0.55	<0.05	12.8	0.264	2.62
R499326		610	134.0	186.0	<0.002	0.89	19.00	12.2	1	3.5	119.5	0.60	<0.05	13.1	0.261	2.66
R499327		190	610	78.2	0.002	6.08	43.0	4.4	<1	2.2	125.0	0.21	<0.05	4.9	0.091	1.17
R499328		220	>10000	84.1	<0.002	>10.0	192.0	5.0	1	5.4	33.6	0.21	1.19	6.3	0.081	1.30
R499329		530	>10000	164.5	<0.002	4.80	273	8.8	1	6.3	109.5	0.57	0.57	11.0	0.222	2.78
R499330		480	670	172.0	<0.002	0.96	32.0	9.1	<1	2.0	119.5	0.53	0.17	11.3	0.199	3.01
R499331		510	729	177.5	<0.002	1.07	33.6	9.5	1	2.3	129.0	0.55	0.15	11.6	0.215	3.07
R499332		500	>10000	148.5	<0.002	5.66	232	8.9	1	8.7	234	0.56	0.17	12.0	0.210	3.23
R499333		600	9920	173.0	<0.002	4.09	117.5	10.2	1	6.1	221	0.69	0.91	13.4	0.255	3.40
R499334		490	>10000	108.0	<0.002	3.25	105.0	7.7	1	2.3	351	0.56	2.24	9.9	0.208	2.00
R499335		160	1835	70.8	0.022	>10.0	847	5.0	1	11.3	63.6	0.19	0.07	4.2	0.073	1.18
R499336		650	708	141.5	<0.002	1.33	104.5	12.6	1	3.5	113.0	0.76	<0.05	14.4	0.284	1.66
R499338		150	>10000	50.9	0.005	>10.0	4800	3.4	4	14.2	55.2	0.16	5.06	2.9	0.069	1.33
R499339		290	7610	157.0	<0.002	>10.0	344	6.2	1	47.9	20.8	0.35	0.34	5.5	0.136	2.51
R499340		390	>10000	186.0	<0.002	>10.0	217	8.5	1	17.8	15.4	0.43	0.29	9.4	0.166	3.13
R499341		200	9860	59.4	<0.002	>10.0	611	2.7	2	14.8	150.5	0.15	0.17	3.2	0.058	1.43
R499342		90	1015	234	<0.002	4.49	46.9	10.4	1	12.7	19.8	0.64	0.06	12.2	0.225	3.87
R499343		810	528	188.5	0.002	>10.0	46.9	18.0	1	9.2	19.4	0.36	0.26	7.8	0.287	3.03
R499344		190	>10000	81.0	<0.002	>10.0	460	3.9	2	16.9	30.8	0.20	0.88	3.5	0.075	1.33
R499345		10	938	188.0	<0.002	>10.0	36.0	1.6	1	18.1	11.4	0.35	1.04	1.8	0.130	2.58

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 27-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15102145

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Ag-OG62	Cu-OG62	Pb-OG62	Zn-OG62	As-OG62
	Analyte	U	V	W	Y	Zn	Zr	Ag	Cu	Pb	Zn	As
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%
	LOR	0.1	1	0.1	0.1	2	0.5	1	0.001	0.001	0.001	0.001
R499309		7.3	42	3.0	7.0	>10000	20.6	153		1.870	5.76	
R499310		12.9	23	1.4	16.1	3720	6.8					
R499311		12.3	54	4.8	13.4	4910	19.4					
R499312		5.1	36	3.1	13.5	9780	12.1					1.085
R499313		2.3	118	8.0	12.5	>10000	11.6	129	2.86	2.50	15.70	
R499314		9.3	58	9.3	11.0	477	18.9					
R499315		2.2	25	2.8	5.0	>10000	4.9	174			1.115	
R499316		0.6	1	0.1	0.7	41	<0.5					
R499317		6.4	44	6.3	12.4	289	77.0					
R499318		3.7	47	6.8	11.4	3090	30.5					
R499319		2.6	29	4.9	10.7	>10000	11.8	325		7.26	3.62	1.115
R499320		6.8	53	4.6	9.0	>10000	58.2	146		3.19	3.20	1.220
R499321		5.8	57	7.4	10.6	3590	25.0					
R499322		15.6	35	3.2	9.5	>10000	33.8	176		3.26	2.26	2.70
R499323		136.5	23	4.2	6.7	>10000	10.9	302		2.88	2.80	1.345
R499324		0.8	1	0.1	0.9	67	<0.5					
R499325		5.8	81	10.8	13.9	368	30.5					
R499326		6.1	81	10.8	14.6	331	31.8					
R499327		16.9	34	6.0	11.5	577	11.9					
R499328		4.0	33	2.7	9.8	8210	17.1			0.997		1.830
R499329		5.1	60	8.8	13.9	>10000	57.1	205		1.660	1.835	
R499330		4.9	57	6.6	13.9	1350	32.4					
R499331		5.1	62	6.6	14.3	1470	32.9					
R499332		4.6	58	6.0	12.5	6910	40.5			1.860		2.06
R499333		8.1	66	5.3	14.5	>10000	57.2				0.949	
R499334		4.4	50	5.1	11.1	>10000	66.7			2.04	1.610	
R499335		11.7	37	3.0	8.1	>10000	7.7	207			8.99	1.630
R499336		9.0	80	7.3	14.8	2240	27.8					
R499338		3.6	24	2.8	4.9	7020	10.5	919	1.250	1.950		
R499339		5.5	50	4.5	6.6	>10000	15.5	121			2.50	1.555
R499340		3.0	56	4.1	13.5	3720	18.9			0.935		1.145
R499341		1.9	19	2.5	4.1	>10000	7.4	140			19.80	
R499342		4.4	61	8.0	10.8	904	30.3					
R499343		5.3	118	9.0	18.1	1190	61.9					
R499344		3.0	27	2.3	6.2	>10000	10.1	228		1.910	1.590	
R499345		2.2	39	8.5	11.7	2640	12.8					

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: KLAZA

Finalized Date: 27-JUL-2015
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH15102145

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

BAG-01	BAG-06	CRU-32	CRU-QC
LOG-21	LOG-21d	LOG-23	PUL-35a
PUL-35ad	PUL-QC	SPL-21	SPL-21d
WEI-21			

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Ag-OG62	As-OG62	Au-AA24	Au-GRA22
Cu-OG62	ME-MS61	ME-OG62	Pb-OG62
Zn-OG62			

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 24-JUL-2015
Account: ROCKHA

CERTIFICATE WH15102149

Project: KLAZA

P.O. No.: Batch56

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 13-JUL-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
FND-02	Find Sample for Addn Analysis

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION
C-GAS05	Inorganic Carbon (CO2)

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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To: **ROCKHAVEN RESOURCES LTD.**
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Finalized Date: 24-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15102149

Sample Description	Method Analyte Units LOR	C-GAS05 C % 0.05	C-GAS05 CO2 % 0.2
R499309		0.46	1.7
R499310		7.64	28.0
R499311		3.39	12.4
R499312		5.02	18.4
R499313		0.12	0.5
R499314		1.82	6.7
R499315		0.38	1.4
R499316		12.55	46.0
R499317		4.84	17.7
R499318		2.21	8.1
R499319		1.02	3.8
R499320		0.75	2.8
R499321		0.90	3.3
R499322		1.88	6.9
R499323		0.86	3.2
R499324		12.75	46.7
R499325		2.14	7.8
R499326		2.07	7.6
R499327		3.83	14.0
R499328		0.11	0.4
R499329		1.02	3.7
R499330		1.44	5.3
R499331		1.50	5.5
R499332		1.06	3.9
R499333		0.74	2.7
R499334		1.58	5.8
R499335		2.31	8.5
R499336		1.18	4.3
R499338		1.00	3.7
R499339		<0.05	<0.2
R499340		0.14	0.5
R499341		0.05	0.2
R499342		<0.05	<0.2
R499343		0.17	0.6
R499344		0.14	0.5
R499345		0.11	0.4

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
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VANCOUVER BC V6B 1L8

Project: KLAZA

Finalized Date: 24-JUL-2015
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH15102149

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Applies to Method:	Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada. FND-02
Applies to Method:	Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada. C-GAS05

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 25-JUL-2015
Account: ROCKHA

CERTIFICATE WH15103713

Project: Klaza

P.O. No.: TR-15-80a

This report is for 26 Rock samples submitted to our lab in Whitehorse, YT, Canada on 15-JUL-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
BAG-06	Double Bagging Coarse Rejects
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
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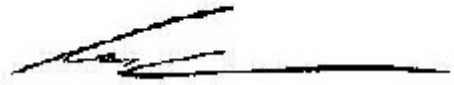
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
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Finalized Date: 25-JUL-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15103713

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
R498173		0.85	0.025	2.37	2.64	297	390	0.88	3.72	0.03	0.06	42.3	0.3	20	7.82	113.0
R498174		1.97	0.024	0.25	8.12	35.2	1230	1.52	1.78	2.71	0.26	47.1	21.6	29	17.20	75.0
R498175		2.68	0.275	5.32	7.06	200	1020	1.55	1.36	0.60	3.72	72.2	5.7	15	8.91	51.8
R498176		2.84	0.234	3.66	7.58	207	1350	1.59	1.66	1.07	2.66	68.8	9.0	18	8.75	48.2
R498177		2.14	0.133	1.81	7.72	167.0	990	1.61	3.85	0.12	0.75	58.1	2.8	4	17.25	56.6
R498178		1.94	0.161	2.13	7.75	166.5	1410	1.48	2.33	0.18	0.83	49.7	3.5	6	14.60	56.6
R498179		2.06	0.056	0.80	7.83	65.5	1320	1.82	1.74	0.16	0.64	54.8	4.9	4	9.02	29.8
R498180		1.75	0.066	1.30	7.14	81.8	780	1.52	2.25	0.12	1.78	60.4	4.0	6	10.90	48.2
R498181		4.45	0.705	18.20	7.25	597	990	1.73	2.01	0.15	15.35	64.0	8.2	15	18.15	76.9
R498182		1.95	1.520	13.30	8.09	477	960	1.81	2.27	0.24	8.52	51.4	9.8	15	31.6	131.5
R498183		2.87	0.099	1.84	7.78	145.5	960	1.70	1.47	0.49	0.93	60.6	6.5	11	14.25	60.9
R498184		2.89	0.042	0.45	7.71	45.8	920	1.58	1.20	0.92	0.42	52.2	8.2	11	13.30	61.2
R498185		3.37	0.121	0.63	8.72	33.2	660	1.46	4.24	0.28	0.21	49.2	24.6	17	15.65	251
R498186		4.66	0.166	1.06	9.09	82.9	430	1.73	6.41	0.46	0.73	42.4	23.4	33	13.00	367
R498187		4.09	<0.005	0.02	0.10	0.5	20	0.07	0.06	19.05	0.07	1.55	0.8	3	0.22	3.1
R498188		3.03	0.114	0.60	8.20	42.7	720	1.55	5.67	0.66	0.50	36.2	18.8	29	14.05	258
R498189		4.56	0.124	0.74	8.55	33.2	650	1.41	4.96	0.60	0.21	45.2	11.6	16	11.70	300
R498190		3.78	0.107	0.34	8.06	23.4	1030	1.43	3.48	1.82	0.20	46.9	14.8	17	11.30	140.5
R498191		2.70	0.095	0.28	8.04	21.8	1520	1.39	2.83	2.99	0.28	36.8	11.6	33	10.55	93.5
R498192		0.29	0.379	4.20	6.80	711	980	1.40	3.51	2.02	10.65	54.0	12.4	28	13.80	317
R498193		2.79	0.063	0.37	8.02	16.6	990	1.78	0.97	0.69	0.23	63.4	5.1	12	9.61	84.9
R498194		3.02	0.052	0.23	8.54	22.2	920	1.53	2.22	0.45	0.23	43.7	10.4	19	13.70	97.7
R498195		4.07	0.025	0.22	8.14	23.0	1250	1.72	0.59	1.79	0.27	36.7	13.9	15	29.3	81.0
R498196		3.66	0.097	1.57	7.79	2430	1070	1.93	0.71	1.87	1.01	33.5	16.3	22	32.7	47.3
R498197		3.19	0.028	0.27	7.86	79.4	1300	1.36	0.94	3.46	0.23	35.3	13.9	16	13.95	52.1
R498198		4.10	<0.005	0.05	6.12	12.0	1170	1.79	0.10	2.14	0.52	22.5	3.3	12	11.65	4.5

***** See Appendix Page for comments regarding this certificate *****

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 25-JUL-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15103713

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
R498173		2.84	11.85	0.09	0.5	0.469	1.01	20.2	79.3	0.16	24	207	0.03	2.0	2.7	880
R498174		5.03	19.80	0.11	1.0	0.082	1.25	22.7	22.9	1.11	1300	2.39	1.25	6.7	24.2	1190
R498175		2.19	15.70	0.09	2.3	0.064	2.48	37.1	26.9	0.41	1240	3.71	0.47	8.9	5.8	430
R498176		3.00	16.70	0.10	2.0	0.068	1.98	35.1	33.9	0.53	1310	2.60	0.78	8.5	8.1	600
R498177		2.22	15.85	0.11	2.9	0.049	3.38	29.1	15.1	0.28	493	2.80	0.06	8.6	2.1	370
R498178		2.20	16.20	0.10	2.7	0.059	3.03	24.6	27.5	0.29	507	2.32	0.11	8.2	2.9	390
R498179		1.80	16.30	0.10	2.9	0.052	2.46	27.1	53.3	0.22	954	2.94	0.05	8.9	3.2	520
R498180		1.70	14.75	0.10	2.8	0.067	2.37	30.3	35.7	0.18	779	3.07	0.05	8.7	3.7	360
R498181		3.08	15.65	0.10	2.3	0.069	2.78	32.9	24.3	0.22	2080	3.05	0.06	8.3	6.8	440
R498182		3.49	17.30	0.11	1.1	0.084	3.13	26.3	17.6	0.29	1930	2.76	0.05	6.9	9.4	670
R498183		2.30	17.40	0.11	1.4	0.058	2.67	30.6	44.3	0.28	712	2.11	0.15	7.3	3.4	680
R498184		2.76	17.65	0.12	1.2	0.052	2.97	24.4	41.2	0.23	677	2.04	0.12	7.5	4.7	710
R498185		4.75	21.7	0.11	1.3	0.168	2.18	24.0	33.6	0.19	274	3.62	0.08	7.5	3.6	700
R498186		5.84	23.2	0.11	1.2	0.230	1.33	19.2	46.8	0.20	1100	3.25	0.14	7.2	15.1	1090
R498187		0.46	0.31	0.15	<0.1	<0.005	0.03	0.7	1.1	12.05	211	0.17	<0.01	0.2	1.8	160
R498188		6.10	21.7	0.11	1.3	0.137	1.51	15.8	34.0	1.50	751	1.79	0.39	5.8	16.0	980
R498189		5.51	22.1	0.10	1.4	0.090	1.84	20.0	24.9	1.52	841	2.46	0.65	5.0	4.2	820
R498190		4.85	19.70	0.11	1.4	0.086	1.67	21.8	17.2	1.47	816	1.82	1.79	7.1	4.8	800
R498191		5.24	21.1	0.10	1.2	0.137	1.55	16.0	17.4	1.77	994	1.75	2.07	6.8	12.7	1140
R498192		4.92	15.45	0.11	1.1	0.295	2.94	30.6	25.8	0.79	1880	12.90	0.15	6.2	15.2	510
R498193		2.33	18.65	0.11	1.3	0.036	2.76	31.8	21.7	0.70	364	1.53	1.60	8.3	2.0	670
R498194		4.39	19.70	0.10	1.5	0.062	2.12	23.2	37.2	0.70	671	1.84	0.60	7.9	4.2	810
R498195		5.31	20.3	0.09	1.2	0.070	1.75	15.9	28.7	0.67	1260	1.92	0.88	7.4	3.2	960
R498196		5.81	20.7	0.12	1.9	0.126	3.18	14.1	12.8	0.53	2670	2.14	0.09	7.1	3.5	1350
R498197		4.98	20.6	0.09	1.1	0.084	1.70	15.8	15.0	1.27	1040	2.18	2.04	6.8	3.6	980
R498198		1.43	16.65	0.09	2.4	0.020	3.03	10.8	14.5	0.30	424	0.50	0.13	6.6	4.4	450

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 25-JUL-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15103713

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
R498173		51.0	70.2	0.002	0.02	311	3.7	4	3.3	120.5	0.16	0.63	36.6	0.052	0.99	2.7
R498174		18.0	44.5	0.004	0.05	11.25	18.3	1	1.4	402	0.44	0.30	4.3	0.487	0.99	1.1
R498175		133.0	157.0	0.003	0.08	26.3	8.6	<1	1.9	121.0	0.72	0.26	17.8	0.261	2.41	3.2
R498176		100.5	114.5	0.004	0.07	22.0	11.3	1	1.6	215	0.69	0.30	14.8	0.324	1.82	2.9
R498177		52.9	199.0	<0.002	0.15	25.2	7.9	1	1.9	47.2	0.71	0.43	18.0	0.247	3.24	3.6
R498178		69.4	187.0	0.003	0.16	23.3	8.0	<1	2.1	64.9	0.67	0.44	16.2	0.249	2.88	3.3
R498179		34.7	162.5	0.005	0.15	15.95	8.0	1	2.1	58.4	0.71	0.28	17.0	0.260	2.59	3.8
R498180		60.9	142.5	0.003	0.08	20.4	6.5	1	1.7	41.5	0.73	0.24	18.2	0.217	2.30	3.6
R498181		634	157.5	0.002	0.15	48.0	9.3	1	1.9	54.9	0.65	0.32	15.6	0.249	2.80	3.6
R498182		371	185.5	<0.002	0.32	65.3	9.3	1	1.9	32.3	0.50	0.60	11.7	0.226	4.18	2.2
R498183		54.7	150.0	0.002	0.29	18.90	6.4	1	1.5	55.0	0.55	0.43	13.7	0.190	2.37	2.0
R498184		30.4	150.0	0.002	0.49	10.65	7.0	1	1.7	58.2	0.57	0.34	11.3	0.207	1.95	1.9
R498185		18.3	118.0	0.003	0.21	19.40	17.7	1	2.8	52.2	0.52	1.51	8.6	0.437	1.52	2.3
R498186		28.7	80.9	0.003	0.43	84.8	24.0	1	3.9	55.0	0.49	2.22	5.5	0.539	1.25	2.1
R498187		1.9	1.6	<0.002	<0.01	0.28	0.3	<1	<0.2	48.0	<0.05	<0.05	<0.2	0.005	<0.02	0.7
R498188		32.7	69.8	0.002	0.67	24.9	21.5	1	3.1	113.0	0.38	2.13	4.5	0.445	1.46	1.6
R498189		25.7	99.2	0.003	0.42	7.43	20.0	1	2.8	145.0	0.37	1.88	6.9	0.389	1.63	2.0
R498190		19.5	72.1	<0.002	0.70	3.65	17.3	1	2.9	378	0.52	1.33	7.3	0.412	1.20	1.8
R498191		21.4	49.6	0.004	0.53	2.90	17.5	1	2.8	544	0.46	0.84	4.0	0.481	1.04	1.4
R498192		486	165.5	0.006	2.65	27.9	9.3	1	5.8	105.0	0.54	0.32	12.5	0.204	2.45	5.6
R498193		31.0	136.5	0.002	0.25	2.95	8.1	1	1.6	234	0.63	0.24	13.0	0.231	1.48	2.2
R498194		21.0	103.0	0.002	0.21	4.64	15.8	1	2.1	113.5	0.59	0.52	10.0	0.388	1.32	2.0
R498195		18.4	59.3	<0.002	0.17	4.71	17.2	1	1.6	260	0.49	0.13	4.9	0.491	0.85	1.6
R498196		80.9	157.5	0.002	0.98	28.2	18.6	1	1.4	59.2	0.45	0.15	4.2	0.517	6.88	2.2
R498197		18.4	52.0	0.002	0.25	4.54	17.7	1	1.4	542	0.44	0.38	3.8	0.500	1.41	1.2
R498198		24.9	136.5	0.003	0.06	6.45	3.4	1	1.1	98.4	0.52	<0.05	4.9	0.159	2.39	2.8

***** See Appendix Page for comments regarding this certificate *****

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 25-JUL-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15103713

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	V	W	Y	Zn	Zr
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	1	0.1	0.1	2	0.5
R498173		18	4.0	3.7	24	14.4
R498174		156	7.8	19.5	81	29.9
R498175		57	4.3	16.3	247	74.9
R498176		83	4.3	17.5	195	62.2
R498177		36	4.8	15.0	83	102.0
R498178		41	5.0	13.0	100	97.5
R498179		40	5.2	17.8	59	105.0
R498180		35	5.2	14.8	122	96.5
R498181		58	6.0	17.3	765	72.6
R498182		59	3.4	14.7	791	36.9
R498183		41	3.8	13.1	89	44.4
R498184		49	3.0	11.1	62	39.6
R498185		128	4.2	12.4	68	41.5
R498186		180	9.6	17.5	125	39.2
R498187		2	0.1	0.9	16	0.5
R498188		178	3.5	16.9	89	41.0
R498189		174	3.1	17.8	68	44.4
R498190		150	2.6	19.2	62	43.7
R498191		166	2.4	16.0	72	37.6
R498192		66	5.6	12.0	854	31.1
R498193		56	3.1	14.2	43	43.8
R498194		133	3.5	21.0	63	42.4
R498195		166	2.3	17.5	80	37.1
R498196		196	6.6	15.7	138	60.7
R498197		173	1.5	16.7	71	30.4
R498198		32	2.2	6.3	65	77.6

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VANCOUVER BC V6B 1L8

Project: Klaza

Finalized Date: 25-JUL-2015
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH15103713

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-23	PUL-31	PUL-QC	SPL-21
WEI-21			

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	ME-MS61

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 30-JUL-2015
Account: ROCKHA

CERTIFICATE WH15103716

Project: Klaza

P.O. No.: Batch 51

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 15-JUL-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21d	Sample logging - ClientBarCode Dup
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
BAG-06	Double Bagging Coarse Rejects
SPL-21d	Split sample - duplicate
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31d	Pulverize Split - duplicate

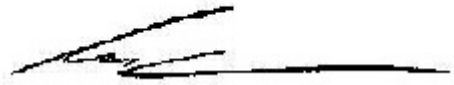
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.

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VANCOUVER BC V6B 1L8

Finalized Date: 30-JUL-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15103716

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
R610191		2.44	0.254	4.74	6.14	583	1630	1.32	3.26	0.46	63.3	46.0	8.0	8	11.90	139.0
R610192		4.20	0.065	1.33	7.13	175.0	570	1.39	0.88	1.56	8.80	44.7	8.1	12	14.90	39.3
R610193		4.81	<0.005	0.02	0.09	0.9	30	0.06	0.02	20.3	0.10	1.30	0.6	1	0.22	1.3
R610194		5.52	0.005	0.33	7.47	16.7	420	1.34	0.27	1.57	1.38	58.7	1.5	8	9.47	25.7
R610195		6.16	<0.005	0.29	7.83	50.9	480	1.25	0.18	1.04	3.42	56.6	2.1	8	9.12	20.5
R610196		2.39	0.041	2.33	7.39	280	750	1.58	0.85	0.95	32.5	34.1	3.9	7	4.99	41.9
R610197		4.18	0.016	1.41	7.50	65.1	610	1.45	0.79	2.05	15.15	37.2	3.7	9	7.86	106.5
R610198		4.73	0.125	7.37	6.62	979	560	1.29	2.39	1.88	95.4	38.5	4.5	8	6.31	139.0
R610199		4.32	0.067	2.41	7.18	70.8	560	1.45	1.58	1.73	12.80	46.1	4.1	10	7.75	191.0
R610200		0.31	0.323	4.84	6.93	750	720	1.42	3.40	2.13	11.35	50.5	12.5	25	14.15	319
R610201		3.57	<0.005	0.69	7.68	23.5	660	1.62	0.37	2.66	10.05	40.9	2.1	8	10.10	84.9
R610202		5.14	0.006	0.34	6.79	24.8	1010	1.49	0.23	3.10	1.92	36.0	3.0	10	13.50	13.2
R610203		3.50	<0.005	0.15	6.91	9.1	1230	1.40	0.17	2.99	0.31	39.0	2.8	7	12.10	5.8
R610204		4.91	<0.005	0.22	7.23	16.5	1490	1.51	0.14	2.41	0.22	41.2	8.3	8	22.0	37.9
R610205		<0.02	<0.005	0.18	7.28	15.1	1110	1.46	0.10	2.44	0.14	43.8	7.9	8	23.0	31.8
R610206		3.33	0.014	0.52	6.63	165.0	3290	1.24	0.07	3.47	0.20	46.7	7.8	6	18.75	23.8
R610207		5.10	0.009	0.79	7.17	8.3	1080	1.49	1.03	2.54	6.16	44.5	4.3	8	7.70	15.6
R610208		5.53	0.012	1.18	7.45	27.6	630	1.68	1.24	2.04	15.50	52.5	7.8	8	7.16	16.6
R610209		3.46	0.418	2.50	6.41	396	550	1.53	2.32	2.04	18.75	37.7	16.2	6	25.0	40.9
R610210		4.84	<0.005	0.01	0.08	<0.2	30	0.06	0.03	21.4	0.11	1.21	0.8	1	0.41	2.6
R610211		10.39	0.006	0.17	7.17	11.2	610	1.43	0.21	2.47	0.32	35.6	3.9	8	10.65	3.8
R610212		6.99	0.008	0.34	7.36	38.5	1750	1.57	0.23	2.37	1.46	41.3	2.6	7	19.50	5.2
R610213		8.35	0.093	2.74	7.11	21.6	1090	1.42	5.22	2.34	1.10	34.9	3.7	7	11.60	248
R610214		0.30	0.865	12.10	6.44	1495	1150	1.42	12.20	1.84	32.2	47.3	17.7	18	13.70	269
R610215		2.25	<0.005	0.11	7.68	9.0	1420	1.57	0.19	1.72	0.20	49.1	3.7	7	9.14	7.4
R610216		3.46	0.038	1.84	7.05	124.0	1070	1.53	1.23	2.52	11.80	63.8	16.2	7	15.15	6.3
R610217		2.16	<0.005	0.20	7.39	11.6	1250	1.78	0.48	2.51	0.16	47.3	4.4	7	9.55	3.8
R610218		0.77	0.006	0.67	7.30	11.5	1110	1.55	1.25	2.16	0.23	47.8	11.0	6	9.76	5.8
R610219		5.05	0.005	0.16	6.56	16.3	1640	1.59	0.59	3.08	0.18	38.6	7.3	9	13.05	2.2
R610220		2.18	0.019	0.99	6.69	618	2270	1.49	0.54	3.58	1.05	48.0	8.6	8	18.10	5.0
R610221		4.96	<0.005	0.07	7.25	5.0	1820	1.26	0.27	1.59	0.11	38.8	6.1	8	11.95	7.7
R610222		1.73	<0.005	0.38	7.59	10.6	2180	1.32	0.24	1.39	4.39	46.7	4.5	7	8.46	18.4
R610223		3.47	0.654	6.58	6.92	133.0	690	1.28	5.61	1.17	84.6	45.8	5.9	8	8.42	172.0
R610224		1.78	0.405	2.32	7.16	1105	540	1.58	1.63	1.88	12.35	69.5	7.2	7	7.14	45.5
R610225		2.16	<0.005	0.10	7.41	13.4	2220	1.45	0.10	2.49	0.42	44.3	6.1	10	12.95	3.7
R610226		1.46	0.178	4.22	6.46	329	880	1.53	1.54	1.98	29.8	44.8	6.1	6	13.85	149.0

***** See Appendix Page for comments regarding this certificate *****

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VANCOUVER BC V6B 1L8

Finalized Date: 30-JUL-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15103716

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
R610191		4.71	14.15	0.12	0.8	0.917	2.76	22.9	11.5	0.31	1870	1.76	0.03	5.7	3.3	480
R610192		3.04	15.95	0.13	0.9	0.354	2.78	21.6	66.1	0.60	1940	1.25	0.04	7.0	1.8	550
R610193		0.50	0.28	0.19	<0.1	0.007	0.03	0.6	2.0	12.85	225	0.06	<0.01	0.2	1.6	170
R610194		1.93	16.45	0.30	1.0	0.253	1.45	29.7	201	0.56	867	0.97	0.03	8.0	1.6	690
R610195		1.94	17.30	0.23	0.9	0.120	2.21	28.0	120.0	0.45	697	1.38	0.03	8.1	1.9	630
R610196		3.75	15.10	0.18	0.7	0.621	3.64	10.1	6.4	0.50	3770	1.27	0.05	6.4	0.9	60
R610197		3.73	17.10	0.17	0.6	0.340	2.93	12.0	26.6	0.87	2390	1.27	0.04	7.2	1.2	560
R610198		4.90	15.15	0.15	0.6	1.400	2.82	13.4	14.1	0.87	3660	1.92	0.05	6.2	1.3	300
R610199		4.04	16.55	0.14	0.7	0.455	2.39	17.0	27.8	0.88	2130	1.24	0.09	6.5	1.6	500
R610200		5.24	16.00	0.15	1.2	0.297	3.09	28.8	25.5	0.82	1940	14.20	0.16	6.3	14.8	550
R610201		2.95	17.75	0.16	0.9	0.383	1.51	16.8	33.4	0.68	1420	0.65	0.19	8.0	2.1	610
R610202		2.38	16.00	0.18	0.9	0.181	2.03	16.5	26.6	0.76	1040	0.65	1.85	7.6	2.2	570
R610203		2.60	16.05	0.18	1.1	0.101	1.95	16.9	44.4	0.71	828	0.43	0.14	8.7	2.5	640
R610204		3.20	16.75	0.18	1.2	0.039	2.74	20.9	45.5	0.86	912	7.58	0.57	7.6	2.5	670
R610205		3.10	16.30	0.18	1.2	0.041	2.79	22.6	51.8	0.89	881	4.66	0.32	7.7	2.3	680
R610206		3.28	14.10	0.18	1.2	0.029	2.56	26.4	45.5	1.26	1420	3.84	0.03	6.9	2.4	530
R610207		3.26	18.30	0.19	0.9	0.160	2.47	17.1	30.6	0.64	1220	0.23	0.09	6.8	1.3	690
R610208		3.26	17.10	0.23	1.1	0.358	3.34	20.7	22.5	0.95	1860	1.46	0.05	6.4	1.6	690
R610209		3.57	14.95	0.17	0.9	0.418	2.78	14.7	19.7	0.74	1540	5.16	0.04	6.1	2.3	630
R610210		0.53	0.32	0.24	<0.1	0.007	0.04	0.6	1.3	13.60	236	0.35	0.01	0.3	1.8	200
R610211		2.56	17.05	0.24	0.9	0.085	2.31	13.5	127.0	0.78	1380	0.29	0.04	7.5	1.3	650
R610212		3.94	15.90	0.20	0.9	0.270	2.41	20.3	138.0	0.81	2710	1.40	0.03	7.3	2.1	620
R610213		2.73	16.60	0.09	1.0	0.187	1.41	15.8	48.8	0.83	951	0.25	0.06	6.8	2.5	600
R610214		6.41	15.50	0.12	1.2	0.783	2.84	25.9	19.3	0.78	1800	9.02	0.12	6.2	12.0	520
R610215		2.45	17.15	0.11	1.2	0.039	2.09	25.6	36.2	0.58	459	0.70	0.13	7.5	1.9	590
R610216		4.03	15.40	0.13	1.1	0.417	2.51	36.5	48.6	0.98	2260	1.45	0.05	6.4	2.7	540
R610217		3.10	16.55	0.09	1.3	0.038	1.80	22.7	35.9	0.72	490	0.49	0.76	8.0	1.7	560
R610218		3.51	16.70	0.11	1.2	0.074	1.76	24.2	29.2	0.66	554	0.44	0.64	7.5	1.9	580
R610219		2.87	16.10	0.10	1.3	0.036	2.52	19.8	19.5	0.68	1120	1.09	1.08	6.9	2.5	590
R610220		3.16	16.00	0.13	1.3	0.064	2.84	27.0	21.6	1.13	3150	0.30	0.09	6.5	2.7	560
R610221		2.54	15.75	0.11	1.5	0.034	2.66	19.5	25.0	0.35	570	3.70	0.36	7.5	2.1	590
R610222		3.12	16.80	0.13	1.4	0.208	3.29	24.2	26.6	0.53	654	1.16	0.23	8.1	2.2	570
R610223		3.80	15.60	0.13	0.9	1.790	3.21	24.5	12.8	0.67	1770	0.68	0.04	5.9	2.2	510
R610224		3.61	15.85	0.14	1.1	0.257	3.35	38.7	12.4	0.73	1180	1.20	0.05	6.6	2.1	600
R610225		2.79	16.85	0.12	1.3	0.038	2.92	22.4	32.7	0.65	467	1.28	1.80	8.0	2.3	590
R610226		4.61	14.95	0.12	1.0	0.671	2.89	24.9	15.0	0.79	1730	1.85	0.04	6.0	2.9	460

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 30-JUL-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15103716

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
R610191		1570	168.0	<0.002	2.46	22.8	8.1	1	6.0	51.2	0.45	0.17	9.5	0.177	2.55	2.9
R610192		256	174.0	<0.002	0.60	31.8	9.0	1	3.3	62.3	0.57	0.21	13.4	0.207	2.73	3.6
R610193		1.5	1.6	<0.002	<0.01	0.21	0.2	<1	<0.2	47.5	<0.05	<0.05	<0.2	<0.005	0.02	0.6
R610194		26.7	89.0	<0.002	0.09	46.5	9.7	1	3.3	206	0.66	<0.05	13.6	0.239	1.53	3.1
R610195		39.4	142.0	<0.002	0.13	41.8	10.0	1	3.2	195.0	0.68	<0.05	14.2	0.246	1.99	3.6
R610196		1230	234	<0.002	1.23	8.20	5.1	1	4.7	17.1	0.53	0.06	13.3	0.195	2.52	2.7
R610197		511	165.5	<0.002	0.51	23.2	10.0	1	3.9	59.3	0.53	0.12	13.5	0.229	2.60	3.3
R610198		2970	174.0	<0.002	1.68	15.80	10.6	1	4.4	61.5	0.46	0.30	12.0	0.195	2.59	2.4
R610199		361	148.5	<0.002	0.56	37.8	10.3	1	3.8	75.6	0.50	0.45	14.0	0.206	2.28	3.5
R610200		516	166.5	0.003	2.72	29.1	9.1	1	5.7	113.0	0.51	0.30	11.3	0.208	2.42	5.2
R610201		174.0	67.2	<0.002	0.09	22.3	9.5	1	3.3	86.0	0.65	<0.05	11.2	0.249	1.68	2.6
R610202		131.5	85.8	<0.002	0.23	5.32	8.7	1	2.2	267	0.60	<0.05	9.3	0.243	1.59	2.6
R610203		22.7	60.8	<0.002	0.06	10.95	9.3	1	3.2	105.5	0.70	<0.05	10.1	0.264	1.67	3.3
R610204		18.3	105.5	0.016	0.09	20.6	10.8	1	1.7	186.0	0.58	<0.05	9.9	0.280	1.81	2.6
R610205		17.2	110.0	0.006	0.08	18.55	11.2	1	1.4	188.0	0.55	<0.05	10.1	0.287	1.81	2.7
R610206		15.3	131.0	0.008	0.26	22.3	9.9	1	1.6	167.5	0.58	<0.05	13.4	0.229	1.94	4.1
R610207		173.5	119.0	<0.002	0.26	10.80	9.5	1	3.4	54.3	0.56	0.07	11.1	0.218	2.37	3.0
R610208		396	221	<0.002	0.72	6.29	9.8	1	4.2	66.8	0.56	0.11	15.0	0.188	2.68	3.3
R610209		639	185.0	0.004	1.72	15.05	8.8	1	5.0	33.2	0.52	0.21	13.7	0.170	2.21	5.7
R610210		2.3	2.6	<0.002	<0.01	0.13	0.2	<1	<0.2	51.5	<0.05	<0.05	<0.2	<0.005	0.02	0.6
R610211		31.0	95.8	<0.002	0.20	21.3	9.0	1	3.5	58.4	0.64	0.06	11.4	0.230	2.15	3.3
R610212		84.0	107.0	<0.002	0.27	27.5	9.5	1	4.0	87.0	0.58	<0.05	13.0	0.233	2.55	4.5
R610213		31.0	53.9	<0.002	0.30	18.55	9.4	<1	2.9	72.5	0.64	0.05	12.1	0.233	1.28	3.2
R610214		1270	169.0	<0.002	4.57	64.1	9.2	1	7.9	95.6	0.53	1.26	11.6	0.206	2.65	5.4
R610215		12.6	73.8	<0.002	0.12	16.75	9.6	<1	2.4	75.6	0.72	<0.05	13.4	0.239	1.05	5.3
R610216		416	135.5	<0.002	1.49	13.85	9.6	1	4.3	80.6	0.61	0.40	14.4	0.207	2.29	4.7
R610217		15.2	66.6	<0.002	0.29	9.39	9.3	1	2.4	154.0	0.78	0.10	13.6	0.243	1.07	4.1
R610218		43.3	69.3	<0.002	0.75	12.80	9.5	1	3.0	108.5	0.74	0.43	13.0	0.231	1.08	8.8
R610219		20.1	115.0	<0.002	0.09	4.95	9.7	<1	3.3	145.5	0.65	0.07	10.3	0.261	1.84	3.7
R610220		134.5	172.0	<0.002	0.36	15.30	10.4	<1	2.2	136.5	0.64	<0.05	12.2	0.249	2.48	3.9
R610221		14.1	94.3	<0.002	0.02	13.90	9.7	<1	1.7	119.0	0.76	<0.05	12.1	0.259	1.17	3.1
R610222		19.6	124.5	<0.002	0.12	9.72	9.6	<1	1.6	103.5	0.83	<0.05	13.7	0.243	1.65	3.0
R610223		1050	214	<0.002	2.01	6.90	8.9	<1	5.5	23.8	0.55	0.19	13.2	0.191	2.79	4.5
R610224		763	225	<0.002	1.86	5.09	9.9	1	8.5	47.7	0.63	0.20	14.3	0.202	2.73	5.0
R610225		19.0	98.4	<0.002	0.04	5.01	9.7	<1	1.5	306	0.74	<0.05	12.6	0.256	1.04	4.0
R610226		1060	156.5	<0.002	2.98	27.3	8.4	1	6.0	54.5	0.59	<0.05	12.9	0.190	2.64	6.4

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 30-JUL-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15103716

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	V	W	Y	Zn	Zr
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	1	0.1	0.1	2	0.5
R610191		55	6.2	11.7	3090	21.6
R610192		63	3.2	14.0	364	24.3
R610193		1	0.1	0.8	18	<0.5
R610194		68	4.9	15.6	121	23.4
R610195		65	3.6	16.3	453	24.0
R610196		35	4.9	13.4	2530	17.0
R610197		58	3.0	12.8	1180	16.0
R610198		52	2.6	11.3	8060	14.1
R610199		54	2.2	13.1	868	17.5
R610200		68	5.4	12.4	898	33.8
R610201		69	1.9	15.7	926	23.5
R610202		68	1.2	14.1	225	24.3
R610203		72	3.6	15.3	71	30.3
R610204		88	3.2	15.1	81	36.7
R610205		85	3.2	15.5	73	35.0
R610206		71	3.0	15.3	88	36.1
R610207		71	2.4	11.7	535	22.1
R610208		71	6.1	10.8	1200	23.1
R610209		69	5.8	12.3	1780	24.2
R610210		2	0.1	0.9	22	<0.5
R610211		68	3.4	13.8	75	24.6
R610212		68	5.6	15.8	189	25.5
R610213		68	2.6	14.5	137	21.5
R610214		61	6.1	11.5	2350	27.0
R610215		64	1.7	15.6	47	25.4
R610216		65	2.8	15.7	888	23.7
R610217		64	1.4	15.2	44	26.5
R610218		71	1.3	15.9	52	26.0
R610219		77	1.9	12.7	75	30.3
R610220		73	2.8	17.8	133	28.0
R610221		73	4.1	12.0	51	36.1
R610222		65	3.6	15.2	515	31.1
R610223		52	4.3	9.8	8100	21.4
R610224		58	3.5	12.9	1220	24.9
R610225		68	1.0	16.1	63	27.9
R610226		56	3.3	11.6	2370	22.3

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: Klaza

Finalized Date: 30-JUL-2015
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH15103716

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	ME-MS61

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 27-JUL-2015
Account: ROCKHA

CERTIFICATE WH15103718

Project: Klaza

P.O. No.: Batch 52

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 15-JUL-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21d	Sample logging - ClientBarCode Dup
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
BAG-06	Double Bagging Coarse Rejects
SPL-21d	Split sample - duplicate
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31d	Pulverize Split - duplicate

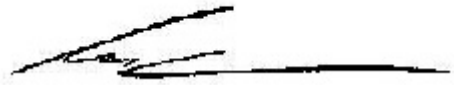
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Zn-OG62	Ore Grade Zn - Four Acid	VARIABLE
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.

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Finalized Date: 27-JUL-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15103718

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
R610593		2.96	0.009	0.19	6.88	24.3	1280	1.42	0.14	2.55	1.28	54.0	3.3	9	16.40	3.4
R610594		4.17	0.011	0.30	6.62	168.5	1560	1.44	0.17	2.63	1.34	46.7	3.1	10	22.7	3.9
R610595		2.21	0.005	0.41	7.34	36.9	1140	1.61	0.32	2.65	2.57	50.6	7.7	10	15.15	5.8
R610596		1.71	1.190	18.70	7.44	283	500	1.66	6.88	1.79	269	82.5	11.5	10	11.30	195.0
R610597		2.99	<0.005	0.30	7.34	20.7	1390	1.51	0.45	2.49	1.49	63.4	8.0	12	12.80	2.1
R610598		1.02	0.005	0.35	7.43	23.8	1180	1.65	0.53	2.44	1.67	52.3	4.6	13	12.85	2.4
R610599		5.31	0.014	0.14	6.66	20.8	1350	1.45	0.16	3.05	0.46	47.2	2.9	12	11.90	2.6
R610600		3.44	<0.005	0.15	7.18	8.9	2210	1.57	0.17	2.29	0.26	46.9	5.0	15	16.90	6.6
R610601		1.78	<0.005	0.16	6.83	18.3	1290	1.27	0.09	1.73	0.37	39.7	5.1	12	25.3	3.8
R610602		1.78	0.056	7.36	7.20	175.5	1120	1.60	3.59	0.64	30.2	58.3	14.1	12	15.00	520
R610603		4.81	<0.005	0.02	0.09	0.6	20	0.05	0.04	19.15	0.12	1.46	0.8	4	0.30	2.4
R610604		6.30	<0.005	0.08	7.25	7.7	2170	1.34	0.09	1.81	0.23	43.9	4.9	12	12.50	5.8
R610605		2.40	0.060	1.79	7.26	435	980	1.58	0.16	1.47	15.10	52.7	10.4	14	16.55	30.4
R610606		2.55	0.109	1.12	7.11	428	890	1.59	0.17	1.97	4.22	44.9	4.9	13	18.40	9.9
R610607		0.30	0.402	4.85	6.59	691	1130	1.39	3.57	1.98	10.75	50.3	12.1	28	13.30	311
R610608		4.56	0.036	2.50	7.06	256	860	1.67	0.28	1.87	14.00	52.7	5.6	13	20.5	84.0
R610609		1.84	0.085	3.52	7.28	199.0	680	1.80	1.98	1.53	24.5	55.4	7.3	11	17.85	148.0
R610610		4.80	<0.005	0.21	7.61	10.3	2140	1.30	0.13	1.46	0.31	47.3	5.3	12	11.65	50.5
R610611		1.56	0.007	1.85	6.55	19.5	1700	1.52	0.17	3.21	9.22	40.0	4.6	9	13.90	109.5
R610612		2.75	0.007	0.13	7.46	17.4	2020	1.48	0.11	2.50	0.41	48.5	6.0	9	13.70	5.0
R610613		7.51	0.154	0.36	8.20	28.1	1490	1.56	0.23	1.24	8.95	55.6	5.3	14	11.60	11.7
R610614		2.81	0.006	0.59	7.88	38.7	1110	1.52	0.18	1.98	14.05	47.9	3.6	9	11.45	23.3
R610615		2.15	0.369	4.18	6.77	748	280	1.39	4.08	0.19	21.3	44.9	4.0	12	7.77	40.3
R610616		<0.02	0.308	3.60	6.48	621	350	1.32	3.24	0.20	20.6	39.0	3.9	10	7.62	32.3
R610617		5.24	0.244	4.22	6.93	376	1110	1.62	1.43	0.24	21.0	50.8	9.5	10	19.50	242
R610618		5.44	<0.005	0.14	8.45	20.1	2040	1.41	0.11	0.98	22.4	53.2	5.3	10	24.2	37.5
R610619		0.32	0.874	11.30	6.48	1525	890	1.33	10.80	1.85	31.5	44.4	17.6	18	13.35	282
R610620		5.55	0.006	0.38	7.83	38.6	1690	1.68	0.13	2.02	13.15	51.7	6.0	11	28.9	11.1
R610621		5.43	<0.005	0.17	7.80	19.8	2010	1.75	0.13	2.20	5.96	52.1	5.1	10	23.8	5.1
R610622		5.04	<0.005	0.11	8.65	14.2	2470	1.40	0.15	1.48	3.49	57.1	5.4	11	13.10	5.0
R610623		0.93	0.008	0.45	7.33	15.8	1360	1.56	0.37	2.73	2.69	41.6	6.9	10	7.27	8.2
R610624		4.77	0.016	1.62	8.41	72.8	1220	1.84	1.36	1.18	19.80	61.8	5.4	10	12.40	31.3
R610625		2.41	0.190	7.55	7.52	466	660	1.41	6.88	0.89	60.0	44.8	3.2	11	9.36	253
R610626		5.08	<0.005	0.01	0.08	0.7	30	0.06	0.03	21.3	0.19	1.18	0.6	1	0.18	1.6
R610627		6.39	0.192	3.90	7.47	159.5	1100	1.50	1.54	1.26	53.8	40.2	2.8	9	12.95	34.1
R610628		5.89	0.088	2.71	7.97	156.5	1140	1.61	2.11	1.02	38.2	38.7	7.0	12	11.00	34.1

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 27-JUL-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15103718

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
R610593		2.69	15.85	0.11	1.1	0.036	2.11	28.5	88.5	0.79	672	1.25	0.46	8.2	2.2	580
R610594		2.09	15.70	0.10	1.0	0.043	1.95	21.5	43.6	0.72	818	0.69	0.09	7.3	2.7	570
R610595		2.68	17.65	0.11	1.2	0.122	2.50	22.8	36.2	0.85	1590	0.21	0.11	6.6	3.5	590
R610596		8.22	18.65	0.13	0.8	9.33	3.59	41.2	14.4	0.78	5710	0.38	0.07	6.0	5.8	590
R610597		3.59	17.10	0.10	0.9	0.119	2.40	30.1	143.5	0.81	1260	0.89	0.08	6.8	4.0	610
R610598		3.53	17.60	0.11	0.9	0.086	2.52	23.9	161.0	0.77	1260	0.73	0.07	6.9	3.4	640
R610599		2.58	16.15	0.09	1.0	0.043	1.72	22.2	60.6	0.53	748	0.94	0.95	7.5	2.6	550
R610600		2.79	16.10	0.12	1.2	0.039	2.86	23.0	30.7	0.65	498	1.07	1.97	8.4	2.5	570
R610601		2.76	16.15	0.10	1.2	0.037	2.48	19.0	191.5	0.53	938	0.89	0.09	8.0	2.2	560
R610602		4.51	15.75	0.11	1.1	0.707	3.23	31.4	19.2	0.53	1700	1.82	0.07	7.2	3.7	530
R610603		0.49	0.25	0.15	<0.1	<0.005	0.03	0.7	2.2	12.30	224	0.09	<0.01	0.2	1.7	150
R610604		2.80	16.40	0.14	1.1	0.033	2.96	21.3	24.9	0.56	522	1.08	0.87	8.2	2.3	550
R610605		4.00	15.85	0.11	0.9	0.410	3.34	28.0	17.0	0.68	4200	1.01	0.05	7.3	2.6	520
R610606		3.53	16.15	0.09	1.0	0.485	3.13	22.6	14.1	0.74	4130	2.73	0.02	7.4	2.2	490
R610607		4.82	15.30	0.09	1.0	0.288	2.89	27.4	25.9	0.76	1800	13.95	0.15	6.1	14.9	490
R610608		3.88	16.70	0.11	1.1	0.339	3.15	26.4	29.8	0.73	2900	1.28	0.03	7.4	2.5	530
R610609		3.71	16.60	0.12	1.1	0.459	3.24	28.6	38.8	0.66	2290	3.19	0.03	7.3	2.7	540
R610610		2.91	16.95	0.10	1.2	0.046	3.05	23.3	38.0	0.48	549	1.07	0.33	8.4	2.2	570
R610611		2.82	14.60	0.14	1.0	0.189	3.28	19.0	20.3	0.58	1160	1.46	0.22	7.1	2.1	560
R610612		2.99	16.30	0.13	1.1	0.037	2.99	22.8	16.7	0.56	562	1.31	1.22	9.1	2.4	600
R610613		2.92	17.10	0.13	1.1	0.099	2.65	27.4	33.3	0.31	1200	1.27	0.56	8.2	2.9	650
R610614		2.20	16.35	0.15	0.9	0.168	3.54	21.1	103.0	0.52	2000	1.47	0.09	6.7	2.9	620
R610615		5.71	15.95	0.12	0.7	0.699	3.27	20.1	10.1	0.27	391	5.35	0.04	5.8	3.2	520
R610616		4.88	15.25	0.11	0.8	0.633	3.09	17.9	10.1	0.26	411	5.41	0.04	5.8	2.9	480
R610617		3.68	15.00	0.12	0.9	0.409	2.92	26.5	62.9	0.22	1560	5.41	0.03	7.0	2.2	520
R610618		2.96	16.80	0.12	1.0	0.051	2.76	27.0	71.4	0.34	639	1.22	0.14	8.8	2.4	650
R610619		6.50	14.45	0.11	1.0	0.746	2.85	22.1	18.1	0.78	1760	8.62	0.13	6.4	11.9	510
R610620		3.06	16.40	0.11	1.1	0.076	2.82	25.3	57.2	0.64	647	1.21	0.42	9.1	2.6	640
R610621		3.09	16.90	0.13	1.2	0.044	2.60	25.4	37.1	0.61	410	0.79	1.89	9.5	2.8	640
R610622		2.69	18.50	0.12	1.1	0.058	2.85	27.8	31.8	0.45	742	1.23	0.15	9.5	2.5	680
R610623		2.40	17.35	0.11	1.0	0.118	2.67	16.4	30.0	0.50	606	0.62	0.33	7.7	4.5	650
R610624		3.97	17.65	0.14	1.0	0.409	2.94	29.6	73.1	0.64	1420	0.95	0.06	7.7	4.1	640
R610625		5.37	16.10	0.12	0.7	1.460	3.43	19.2	5.1	0.62	1820	2.20	0.08	5.4	2.2	550
R610626		0.52	0.22	0.09	<0.1	0.006	0.03	0.5	1.2	13.25	223	0.11	<0.01	0.1	1.5	190
R610627		4.22	16.65	0.12	0.8	0.747	3.28	16.2	8.4	0.64	2530	2.97	0.11	6.0	2.0	560
R610628		4.01	17.65	0.13	0.8	1.125	3.39	13.7	41.1	0.49	1940	2.06	0.17	6.5	2.4	620

***** See Appendix Page for comments regarding this certificate *****

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VANCOUVER BC V6B 1L8

Finalized Date: 27-JUL-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15103718

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
R610593		23.2	75.5	<0.002	0.09	12.90	10.2	1	2.4	139.5	0.70	<0.05	12.0	0.247	1.21	4.1
R610594		37.0	67.6	<0.002	0.25	16.80	9.3	1	2.9	84.8	0.61	<0.05	9.8	0.233	1.67	5.3
R610595		168.5	89.5	0.003	0.36	13.30	9.3	1	3.1	73.9	0.58	0.05	10.6	0.216	2.27	5.3
R610596		5580	193.5	<0.002	5.16	28.4	11.3	1	5.9	50.0	0.51	0.24	13.1	0.169	3.41	6.2
R610597		55.8	102.5	<0.002	1.20	24.6	10.1	1	2.8	105.5	0.55	0.06	12.2	0.207	2.00	4.6
R610598		69.7	91.3	0.002	1.12	25.9	9.7	1	2.9	115.5	0.56	<0.05	10.6	0.214	2.12	4.8
R610599		14.2	67.3	<0.002	0.17	11.10	8.9	1	2.8	149.0	0.62	<0.05	9.7	0.226	1.30	3.6
R610600		19.9	110.5	<0.002	0.03	6.05	9.6	1	1.6	293	0.74	<0.05	12.6	0.245	1.12	4.7
R610601		44.3	88.3	<0.002	0.03	31.4	8.9	1	1.7	147.0	0.72	<0.05	11.4	0.238	1.35	2.7
R610602		1130	181.5	<0.002	1.96	70.4	9.7	1	6.6	40.2	0.61	0.22	14.6	0.222	2.46	6.9
R610603		4.6	1.7	<0.002	<0.01	0.17	0.2	<1	<0.2	46.8	<0.05	<0.05	<0.2	<0.005	0.02	0.7
R610604		20.8	111.0	<0.002	0.01	10.95	9.6	1	1.7	177.0	0.70	<0.05	11.8	0.243	1.31	3.3
R610605		805	174.0	<0.002	0.94	23.1	9.7	<1	2.6	47.6	0.60	<0.05	13.5	0.228	2.84	4.8
R610606		145.5	149.0	<0.002	1.55	21.4	9.2	<1	2.9	40.9	0.62	<0.05	11.6	0.230	3.57	5.2
R610607		471	151.5	0.004	2.59	28.2	8.9	1	5.7	102.5	0.50	0.32	11.6	0.198	2.41	5.1
R610608		779	164.5	0.002	1.38	32.3	9.5	<1	2.9	73.9	0.63	<0.05	12.2	0.219	3.21	5.2
R610609		513	191.5	<0.002	1.92	44.1	9.9	1	6.0	55.3	0.63	0.07	12.7	0.213	3.10	6.4
R610610		19.3	127.5	<0.002	0.04	21.8	10.1	1	2.0	109.0	0.71	<0.05	13.2	0.248	1.42	4.2
R610611		604	141.0	<0.002	0.26	11.45	10.1	1	1.6	129.0	0.56	<0.05	10.4	0.226	2.30	4.4
R610612		16.2	113.5	<0.002	0.07	6.63	11.3	1	1.9	218	0.69	<0.05	13.6	0.262	1.33	3.5
R610613		77.1	141.5	<0.002	0.19	14.60	12.2	1	2.2	95.8	0.61	<0.05	14.5	0.253	1.92	3.1
R610614		192.5	180.0	<0.002	0.18	13.20	10.0	<1	3.0	59.7	0.53	<0.05	13.0	0.219	3.22	3.2
R610615		632	191.0	<0.002	5.17	28.4	10.4	1	5.7	10.6	0.44	0.13	11.3	0.184	2.95	3.5
R610616		598	174.5	<0.002	4.19	26.4	9.9	1	5.5	10.6	0.45	0.12	10.7	0.179	2.82	3.3
R610617		418	160.0	<0.002	1.22	58.8	10.2	1	3.3	44.2	0.53	<0.05	12.6	0.228	2.71	4.3
R610618		27.6	118.0	<0.002	0.04	19.85	11.9	1	1.9	105.0	0.65	<0.05	15.0	0.284	1.51	2.3
R610619		1270	157.5	<0.002	4.57	65.6	8.9	1	7.6	96.4	0.52	1.06	10.2	0.206	2.43	4.7
R610620		69.1	111.5	<0.002	0.21	10.70	12.1	1	2.1	117.5	0.67	<0.05	13.8	0.280	1.70	3.5
R610621		33.7	97.1	<0.002	0.05	8.08	11.9	1	2.1	304	0.69	<0.05	13.0	0.288	1.18	2.7
R610622		19.3	132.5	<0.002	0.10	22.1	12.9	1	2.4	79.7	0.68	<0.05	14.8	0.277	1.62	2.5
R610623		123.0	112.5	<0.002	0.39	7.97	10.7	1	3.3	77.3	0.58	<0.05	11.8	0.238	2.26	4.9
R610624		356	166.5	<0.002	0.75	13.35	12.2	1	3.4	85.5	0.62	<0.05	15.2	0.241	2.61	4.8
R610625		1050	185.0	<0.002	3.05	49.6	10.1	1	4.4	29.1	0.44	0.11	13.2	0.177	3.27	3.1
R610626		2.9	1.4	<0.002	<0.01	0.12	0.2	<1	<0.2	49.6	<0.05	<0.05	<0.2	<0.005	<0.02	0.7
R610627		1540	171.5	<0.002	1.67	19.50	10.9	1	5.2	47.7	0.47	<0.05	13.0	0.194	3.23	2.6
R610628		656	174.5	<0.002	1.69	13.75	13.1	1	3.9	62.6	0.51	0.10	14.0	0.212	3.06	3.2

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Finalized Date: 27-JUL-2015
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Project: Klaza

CERTIFICATE OF ANALYSIS WH15103718

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Zn-OG62
	Analyte	V	W	Y	Zn	Zr	Zn
	Units	ppm	ppm	ppm	ppm	ppm	%
	LOR	1	0.1	0.1	2	0.5	0.001
R610593		66	2.2	14.1	176	27.4	
R610594		67	2.0	11.9	190	25.1	
R610595		63	1.6	12.1	264	27.7	
R610596		95	2.3	12.8	>10000	20.1	1.725
R610597		87	1.8	13.4	181	23.3	
R610598		95	2.2	12.8	218	24.1	
R610599		64	2.1	13.4	205	25.8	
R610600		67	1.4	15.8	58	31.5	
R610601		67	3.4	13.2	79	30.9	
R610602		63	4.5	12.8	3200	28.4	
R610603		2	0.1	0.8	23	<0.5	
R610604		64	2.1	14.6	70	29.6	
R610605		63	3.8	11.8	1150	24.7	
R610606		64	4.7	11.7	354	26.4	
R610607		64	5.4	11.6	840	29.5	
R610608		63	4.3	11.6	1070	26.7	
R610609		61	4.3	12.2	1520	27.2	
R610610		67	2.9	14.5	115	30.8	
R610611		65	1.4	14.2	642	28.2	
R610612		68	1.8	16.7	140	30.7	
R610613		75	3.6	16.9	728	31.8	
R610614		67	2.0	15.2	891	25.4	
R610615		62	4.6	11.7	1200	21.8	
R610616		60	4.9	11.0	1200	21.7	
R610617		65	5.1	14.0	1800	27.1	
R610618		73	2.5	16.9	1500	29.9	
R610619		62	5.6	11.7	2320	29.6	
R610620		75	3.8	17.7	968	33.0	
R610621		74	1.7	17.0	477	33.8	
R610622		80	5.4	17.2	311	32.7	
R610623		77	1.5	13.6	231	27.5	
R610624		76	2.9	14.7	1400	28.4	
R610625		63	3.4	10.8	3790	21.5	
R610626		2	0.1	0.8	27	<0.5	
R610627		66	3.6	10.4	3220	22.2	
R610628		80	2.6	12.4	2500	23.2	

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C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: Klaza

Finalized Date: 27-JUL-2015
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH15103718

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

Applies to Method:				
	BAG-06	CRU-31	CRU-QC	LOG-21
	LOG-21d	LOG-23	PUL-31	PUL-31d
	PUL-QC	SPL-21	SPL-21d	WEI-21

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:				
	Au-AA24	ME-MS61	ME-OG62	Zn-OG62

ALS Canada Ltd.

2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
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Project: Klaza

P.O. No.: Batch 53

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 15-JUL-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21d	Sample logging - ClientBarCode Dup
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
BAG-06	Double Bagging Coarse Rejects
SPL-21d	Split sample - duplicate
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31d	Pulverize Split - duplicate

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
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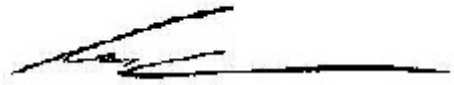
This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
R610227		1.94	<0.005	0.20	7.21	11.3	2280	1.55	0.09	2.41	0.18	40.0	5.9	12	11.70	17.2
R610228		5.07	0.014	0.51	7.32	188.0	1870	1.56	0.61	2.36	1.18	47.4	5.1	18	12.55	18.0
R610229		1.68	0.258	41.1	6.93	1775	580	1.63	8.22	1.22	21.3	43.0	6.0	15	14.20	539
R610230		4.96	<0.005	0.08	0.09	1.7	20	0.06	0.04	20.0	0.09	1.39	0.8	3	0.20	2.8
R610231		6.08	<0.005	0.21	7.23	12.9	1610	1.59	0.13	2.51	0.35	45.6	6.0	17	15.45	4.0
R610232		4.02	<0.005	0.05	7.44	10.7	2060	1.40	0.27	2.05	0.05	37.7	9.2	15	12.20	12.4
R610233		1.75	<0.005	0.05	7.71	11.7	2390	1.49	0.35	2.06	0.06	43.8	9.4	15	12.60	12.2
R610234		6.37	0.026	0.75	7.22	62.0	3510	1.56	0.77	2.75	3.85	47.5	10.7	17	11.75	18.5
R610235		4.91	<0.005	0.39	7.13	26.7	1070	1.50	0.39	2.78	0.67	49.8	9.0	17	12.20	36.0
R610236		0.32	0.355	4.33	6.59	698	850	1.36	3.45	1.99	10.50	47.6	12.3	28	13.45	290
R610237		5.77	0.005	0.18	7.28	15.8	990	1.62	1.69	3.06	0.21	47.3	7.1	18	12.50	13.2
R610238		7.09	0.005	0.15	7.65	42.8	1000	1.72	0.24	1.90	0.36	60.6	7.3	16	13.50	4.9
R610239		1.69	1.780	8.64	5.74	867	440	1.11	15.65	3.00	17.85	32.7	9.7	6	13.60	65.6
R610240		3.41	0.005	0.14	7.44	21.0	1120	1.60	0.51	2.46	0.49	44.8	7.7	12	26.0	11.8
R610241		2.32	0.012	0.53	7.03	47.3	810	1.56	0.41	2.91	7.38	47.5	7.5	15	9.88	21.5
R610242		6.75	<0.005	0.12	7.89	11.2	1890	1.37	0.50	1.99	0.18	50.4	10.7	21	11.20	7.0
R610243		<0.02	<0.005	0.11	7.99	12.0	1870	1.37	0.36	2.05	0.17	52.1	10.9	33	11.20	7.0
R610244		4.44	<0.005	0.08	8.71	6.8	1930	1.31	0.43	1.69	0.15	46.8	9.1	19	19.65	16.2
R610245		2.28	<0.005	0.17	7.26	14.8	930	1.60	0.53	2.94	0.42	46.3	10.0	11	19.60	23.1
R610246		5.20	<0.005	0.08	7.43	2.7	1950	1.69	0.48	2.79	0.12	46.6	8.6	14	12.35	16.1
R610247		3.13	<0.005	0.07	7.15	24.5	1220	1.59	0.35	2.63	0.10	44.7	8.8	16	13.65	4.2
R610248		6.26	<0.005	0.06	7.12	6.2	1370	1.61	0.26	3.17	0.12	39.4	8.1	20	12.90	9.6
R610249		2.49	0.005	1.04	8.10	64.4	1870	1.52	0.28	2.23	7.25	55.4	6.1	16	15.30	16.4
R610250		1.58	0.732	8.00	6.21	3810	250	1.46	6.67	0.67	93.1	38.4	19.8	11	8.27	210
R610251		4.27	<0.005	0.22	7.45	11.4	2060	1.48	0.09	2.37	0.33	43.9	5.8	15	11.95	3.7
R610252		4.35	<0.005	0.22	7.81	14.2	1940	1.21	0.10	1.42	0.64	48.6	5.2	12	13.20	4.8
R610253		1.31	1.210	8.16	6.25	485	540	1.46	9.87	1.33	82.2	43.6	10.3	10	8.42	206
R610254		4.85	<0.005	0.06	0.10	0.2	20	0.05	0.37	21.0	0.18	1.43	0.7	1	0.19	6.7
R610255		6.33	<0.005	0.23	7.49	20.7	2120	1.18	0.15	2.42	0.25	46.5	6.1	13	14.55	4.4
R610256		7.80	0.007	0.20	6.74	31.9	8230	1.54	0.47	3.34	0.27	51.9	6.2	8	21.9	8.2
R610257		2.92	0.020	0.28	7.00	29.8	1090	1.50	0.36	3.82	0.78	46.8	5.4	12	21.2	14.8
R610258		1.70	<0.005	0.10	7.29	12.8	480	1.69	0.15	2.78	0.71	49.5	5.7	12	26.1	9.4
R610259		0.35	0.923	11.35	6.61	1575	670	1.37	12.00	1.86	32.7	44.8	17.6	18	13.80	272
R610260		4.24	0.098	1.21	7.39	63.3	3800	1.83	0.93	2.62	15.15	54.1	7.2	13	27.0	38.7
R610261		2.61	<0.005	0.05	6.98	32.3	590	1.68	0.13	2.26	0.15	68.3	6.0	20	26.7	14.1
R610262		5.28	<0.005	0.07	7.09	20.6	510	1.61	0.16	1.44	0.31	65.3	4.8	18	16.05	7.5

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Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
R610227		2.77	15.70	0.17	1.1	0.035	3.04	21.1	19.7	0.56	482	0.96	1.31	7.9	2.2	570
R610228		3.14	16.00	0.11	1.1	0.064	3.15	25.1	19.1	0.65	633	1.97	0.87	8.2	3.2	580
R610229		4.81	15.10	0.12	1.0	0.599	3.24	22.8	11.5	0.44	663	1.73	0.08	6.9	2.6	490
R610230		0.49	0.26	<0.05	<0.1	0.007	0.04	0.7	1.1	12.80	216	0.13	0.01	0.2	1.6	180
R610231		2.99	16.00	0.11	1.1	0.036	3.42	24.0	27.2	0.82	855	1.43	0.41	7.9	2.5	550
R610232		3.06	16.50	0.09	1.2	0.033	2.67	18.6	47.3	0.79	688	3.53	1.19	8.0	2.6	660
R610233		3.16	16.60	0.10	1.2	0.031	2.71	22.2	47.8	0.83	724	10.60	1.28	8.1	2.7	680
R610234		3.97	16.50	0.10	1.2	0.132	3.15	25.9	55.8	1.16	2220	1.39	0.06	7.1	2.8	590
R610235		3.33	15.20	0.09	1.3	0.084	3.01	26.9	145.5	1.12	1690	63.7	0.05	8.0	2.6	620
R610236		4.82	15.20	0.12	1.0	0.297	2.86	27.2	25.5	0.77	1880	15.00	0.15	6.3	14.3	500
R610237		3.20	15.80	0.10	1.2	0.067	3.23	24.9	82.9	1.00	1300	198.5	0.04	8.1	2.7	640
R610238		3.76	16.25	0.11	1.3	0.088	3.36	33.8	34.2	0.92	1640	84.4	0.04	8.2	2.8	650
R610239		6.40	13.35	0.12	1.0	2.15	2.59	17.9	12.2	1.10	5140	50.2	0.03	5.9	2.8	440
R610240		2.82	16.10	0.10	1.3	0.054	2.61	22.9	28.4	0.85	1180	3.77	0.20	7.8	2.3	650
R610241		5.28	15.75	0.11	1.1	0.180	2.96	26.2	27.9	1.25	2730	1.10	0.06	6.7	2.7	530
R610242		3.63	16.90	0.10	1.3	0.068	2.66	26.7	30.3	0.88	1040	1.74	0.92	8.1	2.8	660
R610243		3.71	16.85	0.11	1.3	0.065	2.60	28.1	30.6	0.90	1040	1.94	0.91	8.1	2.9	680
R610244		3.25	19.70	0.13	1.5	0.050	2.75	22.6	35.2	0.40	780	1.89	0.16	9.6	2.9	800
R610245		3.18	15.80	0.09	1.5	0.037	2.39	23.7	22.8	0.94	1460	1.44	0.51	8.3	2.5	590
R610246		3.09	16.65	0.09	1.6	0.041	2.44	23.0	10.7	0.88	701	1.61	2.08	8.6	2.7	620
R610247		3.03	15.35	0.11	1.5	0.039	2.76	23.1	14.1	0.93	1100	2.57	0.63	8.0	2.5	560
R610248		2.87	15.50	0.10	1.5	0.041	2.50	19.7	21.1	0.80	1020	2.58	1.20	8.0	2.4	560
R610249		3.31	16.60	0.14	1.1	0.095	3.43	30.5	21.4	0.70	901	1.08	0.56	8.0	4.6	580
R610250		9.46	13.85	0.12	1.0	2.93	2.95	19.1	5.2	0.48	1250	1.11	0.03	6.4	3.0	450
R610251		2.88	15.75	0.10	1.2	0.036	2.94	22.3	21.5	0.73	447	1.51	0.93	8.1	2.2	580
R610252		2.73	16.70	0.11	1.2	0.039	3.00	25.9	32.9	0.54	541	1.40	0.14	8.4	2.2	580
R610253		7.56	13.30	0.11	0.9	3.71	2.81	23.8	15.9	0.59	951	2.58	0.03	5.8	2.4	440
R610254		0.51	0.26	<0.05	<0.1	0.009	0.03	0.7	1.2	13.30	227	0.18	<0.01	0.2	1.5	170
R610255		2.64	16.65	0.12	1.2	0.034	2.80	24.2	54.5	0.76	599	1.45	0.12	8.3	2.3	580
R610256		2.28	17.15	0.10	3.2	0.027	2.67	27.4	70.6	0.92	863	1.45	0.04	9.3	3.6	650
R610257		2.48	16.00	0.08	1.5	0.069	2.33	24.0	48.3	1.04	1000	2.40	0.05	7.9	2.7	610
R610258		2.62	17.15	0.09	2.3	0.051	2.71	25.5	59.2	0.97	822	1.16	0.05	9.1	3.3	680
R610259		6.49	15.10	0.12	1.1	0.790	2.80	24.0	19.2	0.78	1800	9.50	0.13	6.5	12.1	520
R610260		3.10	16.60	0.10	1.6	0.413	2.86	29.2	33.2	0.90	1090	3.78	0.06	7.6	3.2	580
R610261		2.58	18.75	0.15	4.3	0.034	2.53	33.7	141.0	0.87	653	2.20	0.05	10.4	8.5	1180
R610262		2.17	17.95	0.14	3.8	0.024	2.17	32.8	181.0	0.68	479	4.00	0.04	9.5	5.0	1030

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Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
R610227		17.3	102.0	<0.002	0.04	7.37	8.7	1	1.5	257	0.69	<0.05	11.3	0.240	1.26	3.9
R610228		95.4	134.0	0.004	0.46	3.83	10.2	1	3.0	194.5	0.65	<0.05	13.0	0.255	1.59	4.2
R610229		725	196.5	0.002	4.51	55.7	9.5	1	7.0	61.2	0.55	0.22	12.2	0.216	2.68	3.8
R610230		2.9	1.8	0.002	0.01	0.17	0.2	1	<0.2	49.6	<0.05	<0.05	0.2	<0.005	0.02	0.8
R610231		27.5	142.0	0.003	0.19	5.50	9.7	1	1.7	169.0	0.65	<0.05	12.6	0.239	2.56	4.4
R610232		12.8	98.1	0.003	0.05	9.02	11.6	1	1.5	308	0.61	<0.05	10.0	0.291	1.38	3.0
R610233		12.7	112.0	0.006	0.06	9.42	12.3	1	1.7	326	0.62	<0.05	11.7	0.301	1.44	3.5
R610234		282	204	0.003	0.80	9.58	11.5	1	2.4	160.5	0.58	<0.05	11.4	0.267	2.49	3.7
R610235		35.4	154.0	0.009	0.20	19.70	12.0	1	1.9	136.0	0.68	<0.05	13.3	0.273	2.32	4.7
R610236		484	156.0	0.007	2.65	27.6	8.9	1	5.6	106.0	0.51	0.29	11.6	0.205	2.45	5.3
R610237		23.8	141.5	0.027	0.17	10.95	11.3	1	1.7	157.0	0.62	<0.05	11.2	0.282	2.50	4.1
R610238		38.7	181.5	0.015	0.24	6.81	12.3	1	2.1	119.5	0.64	<0.05	13.6	0.291	2.61	6.1
R610239		974	158.5	0.013	4.66	21.8	8.8	1	3.5	81.7	0.51	<0.05	10.4	0.202	2.13	3.4
R610240		31.1	114.0	0.004	0.09	13.50	11.4	1	1.7	217	0.63	<0.05	12.3	0.289	1.67	19.5
R610241		347	159.0	0.003	0.80	8.17	10.2	<1	2.3	111.5	0.55	<0.05	11.9	0.239	2.12	4.9
R610242		17.9	120.5	0.003	0.34	6.01	12.2	1	2.3	243	0.66	<0.05	14.0	0.297	1.60	4.3
R610243		19.9	127.0	0.003	0.33	6.02	12.0	1	2.2	242	0.64	<0.05	13.8	0.290	1.58	4.2
R610244		21.1	99.5	0.003	0.03	25.9	14.7	1	2.3	161.0	0.72	<0.05	12.7	0.362	1.24	4.0
R610245		22.4	100.0	0.003	0.18	16.05	11.0	1	1.8	199.0	0.91	<0.05	14.4	0.266	1.70	6.5
R610246		20.0	93.8	0.003	0.03	1.87	11.5	1	1.9	392	0.79	<0.05	12.8	0.283	1.15	5.3
R610247		10.4	120.5	0.003	0.24	8.76	10.3	1	1.7	159.0	0.76	<0.05	13.4	0.255	2.22	5.3
R610248		14.7	99.7	0.003	0.11	4.36	10.1	1	1.7	247	0.77	<0.05	13.9	0.255	1.52	5.4
R610249		286	157.5	0.003	0.26	6.42	10.3	<1	1.7	169.5	0.67	<0.05	15.6	0.249	2.22	4.4
R610250		1285	195.0	0.003	9.20	16.35	8.8	1	7.3	38.4	0.56	0.21	11.2	0.191	2.55	5.3
R610251		24.3	102.0	0.003	0.05	5.19	9.3	1	1.3	220	0.70	<0.05	12.4	0.244	1.48	4.1
R610252		28.3	121.0	0.003	0.03	17.90	10.0	1	1.5	104.0	0.71	<0.05	14.1	0.255	1.44	4.0
R610253		896	167.0	0.004	6.80	16.50	7.9	1	6.4	47.7	0.48	0.22	11.6	0.180	2.20	5.6
R610254		3.0	1.5	0.002	<0.01	0.16	0.2	<1	<0.2	49.5	<0.05	<0.05	0.2	<0.005	0.02	0.7
R610255		21.7	96.1	0.003	0.12	15.05	9.8	1	1.5	180.0	0.72	<0.05	13.2	0.254	1.40	4.9
R610256		28.8	104.0	0.003	0.33	25.1	7.3	1	1.6	291	0.70	<0.05	8.9	0.276	1.73	7.3
R610257		36.3	116.0	0.004	0.21	19.55	9.3	<1	4.0	163.0	0.63	<0.05	11.1	0.244	1.86	4.2
R610258		17.1	112.0	0.004	0.04	21.9	8.5	<1	2.3	196.5	0.68	<0.05	10.2	0.276	2.00	5.6
R610259		1305	159.0	0.004	4.67	62.6	9.0	2	7.8	95.0	0.54	1.06	11.2	0.209	2.58	5.5
R610260		94.0	162.0	0.004	0.61	15.05	9.3	1	3.5	149.5	0.62	<0.05	13.4	0.234	2.33	5.5
R610261		15.0	90.1	<0.002	0.04	16.85	5.5	1	2.2	316	0.58	<0.05	8.1	0.326	1.52	11.8
R610262		15.3	77.5	<0.002	0.18	36.3	5.0	1	1.6	281	0.60	<0.05	8.9	0.293	1.00	4.7

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 29-JUL-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15103719

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	V	W	Y	Zn	Zr
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	1	0.1	0.1	2	0.5
R610227		65	1.3	14.9	40	29.7
R610228		68	2.1	14.8	142	28.2
R610229		62	3.0	11.1	2040	24.2
R610230		2	0.1	0.8	21	<0.5
R610231		64	2.0	14.2	55	26.5
R610232		81	2.9	12.3	46	30.0
R610233		84	3.3	13.5	46	31.2
R610234		84	3.5	13.3	469	29.7
R610235		78	4.7	14.3	104	33.4
R610236		65	5.4	11.8	838	28.6
R610237		87	10.9	15.4	68	30.1
R610238		85	9.6	16.0	96	31.7
R610239		59	8.1	12.1	2050	25.4
R610240		83	3.0	15.3	90	33.2
R610241		77	4.5	13.5	724	27.5
R610242		85	3.6	14.0	67	34.3
R610243		86	3.7	14.1	68	33.3
R610244		98	8.9	16.3	62	37.5
R610245		81	4.5	17.5	73	34.9
R610246		83	1.7	16.9	50	36.7
R610247		72	2.3	13.7	50	34.4
R610248		72	1.8	14.1	51	35.3
R610249		66	1.7	15.1	673	27.4
R610250		57	3.4	11.6	8760	23.3
R610251		66	1.3	15.2	61	27.6
R610252		68	2.7	14.8	87	28.7
R610253		52	2.8	9.9	8380	21.6
R610254		2	0.1	0.9	31	<0.5
R610255		69	2.1	15.7	56	29.3
R610256		66	3.8	18.1	61	113.0
R610257		69	2.6	15.3	129	42.9
R610258		69	2.5	14.3	131	76.2
R610259		64	5.9	11.3	2330	27.7
R610260		68	4.2	14.3	1290	43.3
R610261		57	1.2	11.4	84	174.0
R610262		50	2.1	9.7	73	145.5

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: Klaza

Finalized Date: 29-JUL-2015
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH15103719

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	ME-MS61

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 26-JUL-2015
Account: ROCKHA

CERTIFICATE WH15103722

Project: Klaza

P.O. No.: Batch 54

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 15-JUL-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21d	Sample logging - ClientBarCode Dup
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
BAG-06	Double Bagging Coarse Rejects
SPL-21d	Split sample - duplicate
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31d	Pulverize Split - duplicate

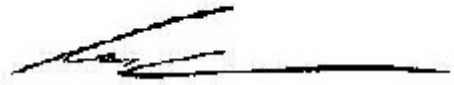
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Zn-OG62	Ore Grade Zn - Four Acid	VARIABLE
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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Finalized Date: 26-JUL-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15103722

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
R610629		8.65	0.014	0.27	7.77	30.4	770	1.50	0.40	1.13	0.88	41.4	4.5	10	9.37	8.1
R610630		11.23	0.007	0.28	6.60	18.7	1120	1.62	0.17	3.03	1.29	38.5	3.4	13	11.45	18.4
R610631		2.84	0.033	1.79	7.12	36.2	940	1.73	1.16	1.63	33.5	44.4	4.2	9	20.9	26.7
R610632		7.56	<0.005	0.14	7.08	12.5	1540	1.57	0.17	2.12	0.49	36.5	4.9	10	9.26	29.0
R610633		2.31	<0.005	0.08	6.83	6.6	2240	1.69	0.08	2.35	0.27	45.7	6.1	11	15.65	5.1
R610634		0.31	1.765	38.1	5.70	2470	1610	1.20	34.1	1.62	44.5	38.1	16.6	20	10.05	1140
R610635		3.61	0.103	1.74	7.05	91.7	1680	1.57	1.06	1.47	10.15	37.5	6.5	8	25.9	42.2
R610636		3.80	1.045	9.39	6.27	481	1650	1.31	7.57	1.12	78.3	40.6	7.1	8	14.50	71.7
R610637		3.32	0.189	5.06	6.93	232	840	1.49	3.99	0.93	21.3	46.0	6.0	9	19.40	44.5
R610638		5.29	<0.005	0.04	0.07	1.1	30	0.06	0.04	19.90	0.21	1.52	0.7	1	0.22	2.0
R610639		2.56	0.054	2.38	7.00	61.7	1380	1.62	2.19	1.82	30.0	39.6	4.6	9	19.45	38.4
R610640		3.03	<0.005	0.14	6.79	7.9	1890	1.49	0.13	2.58	0.27	43.7	6.1	11	15.35	16.4
R610641		6.29	<0.005	0.29	7.06	21.0	2420	1.40	0.21	1.65	1.11	42.5	6.3	9	15.20	28.7
R610642		4.33	2.15	7.31	6.76	2400	690	1.49	7.69	0.40	32.3	44.8	6.5	10	9.27	125.5
R610643		<0.02	2.01	7.44	6.84	2470	680	1.52	7.98	0.40	31.9	49.1	6.4	11	9.46	118.5
R610644		4.55	0.502	7.59	6.78	821	640	1.50	5.49	1.51	18.00	37.2	6.0	10	18.75	204
R610645		1.43	2.01	3.54	6.95	6120	1260	1.59	4.13	1.02	4.86	51.4	6.6	8	16.90	23.1
R610646		3.00	0.014	0.98	6.90	26.2	1490	1.61	1.06	1.67	0.67	36.5	6.0	9	17.95	49.0
R610647		5.19	0.316	3.29	6.74	394	1110	1.53	3.43	1.42	23.4	40.6	5.0	9	14.15	55.4
R610648		1.41	4.86	42.3	4.67	3470	2810	1.25	11.70	0.35	185.5	29.6	3.9	8	30.3	411
R610649		4.76	0.005	0.12	0.07	5.3	40	0.06	0.06	20.5	0.47	1.28	0.7	1	0.25	3.2
R610650		2.52	0.049	0.88	6.81	92.8	650	1.49	0.42	1.62	23.9	43.6	4.9	7	25.1	21.0
R610651		7.13	0.028	0.73	6.85	49.0	1560	1.38	0.40	2.37	3.10	41.8	4.3	11	15.65	55.4
R610652		2.86	0.364	2.69	7.35	332	570	1.56	0.74	1.82	27.3	51.9	4.4	9	13.85	51.5
R610653		7.11	0.015	0.16	6.77	28.3	1380	1.25	0.14	1.82	0.35	40.5	4.4	9	13.45	11.0
R610654		3.02	0.018	0.26	7.13	35.7	1130	1.38	0.12	1.96	0.82	40.7	5.0	8	14.90	23.3
R610655		5.50	0.024	0.62	6.86	44.5	1390	1.40	0.20	1.48	12.35	42.2	4.3	10	19.10	15.3
R610656		6.53	0.073	1.59	7.22	106.0	880	1.46	1.00	1.42	18.65	54.0	4.0	10	13.20	53.9
R610657		0.29	0.951	13.50	6.45	1555	1340	1.32	11.70	1.83	33.1	45.2	17.5	18	13.85	278
R610658		2.02	0.109	2.50	5.22	198.5	580	1.20	1.56	0.56	22.4	53.7	7.2	6	22.2	75.4
R610659		7.16	0.007	0.37	6.79	19.0	1140	1.46	0.49	1.94	2.90	40.2	4.7	9	12.65	21.1
R610660		7.69	0.039	0.47	6.92	20.0	1130	1.70	0.38	2.72	0.94	42.1	4.1	9	19.50	49.6
R610661		2.32	<0.005	0.15	6.59	8.7	980	1.41	0.19	2.37	0.74	34.7	2.3	7	11.25	5.0
R610662		2.16	0.057	0.70	4.86	19.0	1000	1.18	0.71	2.22	0.81	24.2	7.9	11	6.65	5.9
R610663		2.80	0.041	1.55	7.22	86.2	960	1.78	2.16	1.67	13.00	45.9	4.2	7	19.75	17.1
R610664		2.01	0.029	0.53	6.61	21.1	1000	1.68	0.89	4.26	2.00	53.3	5.9	7	15.60	44.7

***** See Appendix Page for comments regarding this certificate *****

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VANCOUVER BC V6B 1L8

Finalized Date: 26-JUL-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15103722

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
R610629		2.39	17.90	<0.05	1.0	0.133	1.95	17.1	38.6	0.40	701	1.34	0.08	7.9	5.3	620
R610630		2.53	15.70	0.07	1.1	0.114	1.86	17.4	14.8	0.64	734	0.63	1.73	7.4	2.7	550
R610631		3.48	17.10	0.06	1.0	0.789	2.96	19.6	46.3	0.81	2030	0.64	0.06	6.6	2.4	550
R610632		2.84	17.50	0.06	1.1	0.075	2.16	16.4	23.8	0.45	469	0.83	0.80	7.9	2.7	590
R610633		2.73	16.10	0.07	1.2	0.046	2.73	22.5	13.4	0.73	486	0.97	1.94	8.1	2.4	560
R610634		8.78	13.85	0.06	0.9	1.520	2.48	19.3	17.5	0.67	2270	16.95	0.06	4.8	14.4	440
R610635		3.99	17.00	0.06	1.2	0.503	3.29	17.9	34.5	0.51	2740	1.29	0.13	7.6	2.2	580
R610636		5.81	15.05	<0.05	1.0	2.78	2.78	20.4	11.2	0.48	1960	1.37	0.05	6.1	2.1	440
R610637		5.40	15.55	0.06	1.1	0.781	3.13	24.1	8.6	0.55	4380	1.42	0.03	6.8	2.2	520
R610638		0.48	0.22	0.10	<0.1	0.011	0.03	0.7	1.0	12.25	225	0.39	<0.01	0.1	1.4	170
R610639		3.66	17.05	0.10	1.4	0.476	3.42	18.8	38.8	0.62	1800	1.59	0.19	8.2	2.2	580
R610640		2.86	15.80	0.08	1.2	0.071	2.78	21.5	9.3	0.67	619	1.25	1.60	7.6	2.6	560
R610641		2.92	16.80	0.07	1.2	0.096	3.20	20.9	32.3	0.57	1070	1.00	0.10	8.1	2.4	600
R610642		4.87	18.90	0.07	1.0	0.738	3.18	24.2	8.4	0.37	1760	0.96	0.03	6.4	2.4	490
R610643		4.96	19.55	0.05	1.0	0.714	3.25	27.0	8.8	0.38	1900	0.91	0.03	6.7	2.5	500
R610644		3.48	17.90	0.07	1.1	0.631	3.10	17.2	12.1	0.58	4120	1.18	0.02	7.3	2.7	540
R610645		4.67	18.70	0.06	1.1	0.409	3.15	27.6	13.7	0.57	4710	1.43	0.02	7.3	2.8	550
R610646		3.31	16.80	0.06	1.2	0.148	3.24	17.2	27.3	0.64	1800	1.06	0.08	8.1	2.2	590
R610647		4.84	17.65	<0.05	1.1	0.418	3.13	20.0	9.8	0.70	3190	0.88	0.03	7.1	2.2	520
R610648		9.39	12.10	<0.05	0.7	3.35	1.82	13.8	29.0	0.24	512	4.51	0.02	4.5	2.0	300
R610649		0.49	0.23	0.11	<0.1	0.018	0.03	0.6	1.1	12.70	226	0.30	<0.01	0.2	1.4	150
R610650		3.22	16.25	0.07	1.2	0.163	2.57	21.6	58.0	0.63	2680	2.27	0.04	7.7	2.7	550
R610651		2.83	16.05	0.05	1.2	0.092	2.67	20.5	35.1	0.81	1250	1.67	0.04	7.4	2.4	560
R610652		3.86	17.05	0.06	1.2	0.225	3.40	27.8	13.1	0.74	1260	1.11	0.03	7.5	2.5	550
R610653		2.56	16.30	<0.05	1.3	0.052	1.90	19.5	131.5	0.56	845	0.90	0.04	8.7	2.4	600
R610654		2.64	16.50	<0.05	1.3	0.052	2.14	19.2	127.0	0.63	1020	0.93	0.04	8.4	2.2	630
R610655		2.83	15.85	<0.05	1.1	0.182	2.70	20.5	100.0	0.58	1160	1.42	0.04	7.9	2.9	560
R610656		3.95	16.15	0.06	1.0	0.352	3.01	27.6	71.8	0.69	1810	3.44	0.04	7.1	2.8	550
R610657		6.37	15.70	<0.05	1.1	0.811	2.80	23.2	20.6	0.75	1750	9.40	0.13	6.5	12.3	520
R610658		4.01	12.40	<0.05	0.7	0.524	2.16	30.6	34.9	0.35	1580	4.47	0.03	4.7	2.9	390
R610659		2.79	16.15	0.05	1.0	0.138	2.03	18.2	118.5	0.70	1020	0.71	0.05	7.2	2.0	560
R610660		2.76	16.50	0.05	1.2	0.068	2.09	20.9	119.5	0.75	878	0.93	0.11	7.6	2.2	570
R610661		2.13	15.55	0.06	1.0	0.138	2.22	13.8	18.4	0.58	795	0.23	0.76	6.9	2.1	550
R610662		2.04	11.60	<0.05	0.7	0.127	1.77	9.7	22.0	0.81	893	0.80	0.06	3.9	2.5	380
R610663		3.83	16.00	0.05	1.0	0.302	2.56	19.4	28.6	0.78	1910	0.96	0.06	6.7	2.7	570
R610664		3.19	15.05	0.05	1.1	0.169	2.20	26.2	22.5	0.77	1390	0.86	0.23	6.9	2.3	530

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

2103 Dollarton Hwy
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Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 26-JUL-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15103722

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
R610629		21.7	125.5	0.002	0.19	18.15	11.0	1	3.1	47.2	0.64	0.12	12.9	0.236	2.11	3.3
R610630		101.5	95.4	0.002	0.07	6.03	9.1	1	2.5	275	0.63	<0.05	11.4	0.223	1.70	3.6
R610631		798	179.5	0.002	0.44	14.45	9.9	1	3.4	70.9	0.54	<0.05	12.8	0.197	3.13	4.8
R610632		16.4	102.0	0.002	0.11	14.05	9.8	<1	2.6	142.0	0.64	<0.05	10.5	0.244	1.60	3.6
R610633		25.7	106.5	0.003	0.01	1.80	10.1	1	1.6	330	0.63	<0.05	12.5	0.240	1.29	3.7
R610634		1590	143.0	0.004	7.51	101.0	8.1	2	10.7	62.7	0.39	0.68	10.1	0.158	2.17	5.7
R610635		300	153.0	0.004	0.86	16.80	9.8	<1	3.3	148.0	0.60	0.06	11.5	0.240	2.61	4.3
R610636		633	154.0	0.003	5.14	23.0	8.4	1	5.6	49.8	0.49	0.18	11.0	0.191	3.07	2.8
R610637		689	176.5	0.002	2.87	15.80	9.4	1	6.2	33.2	0.54	0.10	12.7	0.216	3.43	3.0
R610638		4.1	1.7	<0.002	<0.01	0.16	0.2	<1	<0.2	49.0	<0.05	<0.05	<0.2	<0.005	0.02	0.6
R610639		588	146.5	0.003	0.63	10.20	9.9	<1	3.8	116.0	0.71	<0.05	11.9	0.241	2.86	4.4
R610640		21.6	117.5	0.002	0.05	6.55	9.5	1	2.2	269	0.60	<0.05	10.9	0.236	1.93	4.1
R610641		59.8	136.0	0.002	0.17	22.6	10.6	1	2.0	107.5	0.63	<0.05	12.0	0.246	2.40	3.7
R610642		819	196.5	0.002	3.89	29.1	9.1	<1	16.5	17.9	0.50	0.05	13.0	0.202	3.15	3.5
R610643		816	202	0.002	3.85	28.3	9.5	<1	17.2	17.8	0.52	0.05	13.4	0.211	3.24	3.5
R610644		524	143.5	0.003	1.95	51.8	9.4	<1	10.3	142.5	0.58	<0.05	10.1	0.232	3.85	4.2
R610645		332	169.0	<0.002	2.23	23.1	10.4	<1	12.1	35.7	0.56	<0.05	12.5	0.235	3.17	3.4
R610646		45.5	131.0	0.002	0.18	14.20	9.9	<1	1.9	91.8	0.64	<0.05	10.3	0.251	2.77	4.2
R610647		475	157.5	0.002	2.26	14.20	9.2	<1	7.8	44.9	0.58	<0.05	10.7	0.219	3.46	3.9
R610648		4260	126.0	0.002	9.97	129.5	5.8	1	17.8	140.5	0.37	0.06	8.2	0.141	2.02	3.3
R610649		10.6	1.7	0.002	0.02	0.46	0.2	<1	0.2	49.2	<0.05	<0.05	<0.2	<0.005	0.02	0.7
R610650		152.0	128.5	0.003	0.52	36.6	9.5	<1	2.9	94.8	0.66	<0.05	12.0	0.227	2.81	5.5
R610651		99.6	125.5	0.002	0.34	30.5	9.6	1	2.1	81.1	0.64	<0.05	11.8	0.232	2.68	4.8
R610652		1165	206	0.002	2.52	17.15	10.1	1	8.0	46.6	0.64	<0.05	14.0	0.222	3.35	6.4
R610653		21.1	82.0	0.002	0.16	37.7	10.2	1	2.2	169.0	0.73	<0.05	11.8	0.249	1.73	3.5
R610654		38.8	93.4	0.002	0.22	38.2	10.4	1	2.5	157.5	0.71	<0.05	11.1	0.261	1.90	3.8
R610655		350	130.0	0.002	0.46	20.1	9.9	1	2.5	94.9	0.63	<0.05	11.9	0.244	2.71	4.8
R610656		805	178.0	<0.002	1.39	25.8	9.8	<1	3.8	61.4	0.57	0.07	12.4	0.218	3.20	5.1
R610657		1270	159.5	0.004	4.44	63.7	9.2	2	8.0	94.8	0.54	2.09	11.9	0.204	2.63	5.3
R610658		808	149.5	0.002	2.23	56.1	7.0	1	4.1	55.1	0.38	0.13	10.5	0.150	2.35	6.4
R610659		57.9	88.7	0.002	0.22	27.1	9.2	1	2.7	145.0	0.59	0.05	10.8	0.224	2.10	3.7
R610660		50.8	76.5	0.002	0.19	12.50	9.6	1	1.7	156.0	0.63	<0.05	11.9	0.237	1.88	3.6
R610661		53.4	107.5	<0.002	0.06	8.43	8.4	<1	2.7	137.0	0.55	<0.05	10.8	0.219	1.96	3.5
R610662		65.6	116.5	<0.002	0.38	7.85	5.9	<1	2.6	106.0	0.34	0.28	8.7	0.127	1.61	4.6
R610663		462	158.5	0.002	1.02	11.75	9.9	<1	4.2	62.3	0.56	0.11	14.7	0.208	2.51	3.4
R610664		41.3	117.0	<0.002	0.31	16.00	9.1	1	2.5	116.0	0.57	<0.05	12.6	0.207	1.97	3.6

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 26-JUL-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15103722

Sample Description	Method / Analyte / Units / LOR	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Zn-OG62 Zn % 0.001
R610629		72	3.0	13.1	152	26.9	
R610630		65	1.3	13.4	206	28.9	
R610631		57	3.1	12.5	2110	25.1	
R610632		71	2.9	12.5	136	28.9	
R610633		65	1.7	15.4	53	32.0	
R610634		54	7.3	9.0	3240	23.2	
R610635		66	3.9	11.1	768	29.8	
R610636		55	7.6	10.1	5450	26.7	
R610637		61	6.1	9.1	1480	29.3	
R610638		1	0.1	0.8	27	0.5	
R610639		66	4.5	11.8	2100	38.1	
R610640		66	3.1	14.4	87	33.6	
R610641		66	3.2	13.5	147	35.9	
R610642		58	7.7	8.9	2070	28.2	
R610643		59	8.2	9.6	2040	29.4	
R610644		65	9.3	10.0	1300	31.1	
R610645		64	6.5	9.9	411	30.2	
R610646		67	3.8	12.1	104	32.2	
R610647		61	6.7	10.3	1870	28.9	
R610648		40	6.3	10.2	>10000	20.0	1.280
R610649		1	0.1	0.8	46	<0.5	
R610650		65	3.2	12.6	2050	30.6	
R610651		66	3.1	12.5	272	31.5	
R610652		63	5.4	12.0	1830	31.9	
R610653		67	6.6	13.4	65	35.3	
R610654		72	6.2	13.5	90	35.6	
R610655		68	4.7	11.8	827	30.5	
R610656		63	4.5	12.0	1370	27.7	
R610657		61	5.9	11.5	2340	30.0	
R610658		55	4.9	9.9	1640	19.4	
R610659		65	3.5	11.1	260	26.9	
R610660		66	2.8	13.7	124	32.2	
R610661		62	2.2	11.5	105	27.7	
R610662		48	1.8	8.7	107	17.6	
R610663		66	3.9	12.6	998	27.9	
R610664		64	2.3	16.3	236	29.2	

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: Klaza

Finalized Date: 26-JUL-2015
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH15103722

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

Applies to Method:				
	BAG-06	CRU-31	CRU-QC	LOG-21
	LOG-21d	LOG-23	PUL-31	PUL-31d
	PUL-QC	SPL-21	SPL-21d	WEI-21

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:				
	Au-AA24	ME-MS61	ME-OG62	Zn-OG62

ALS Canada Ltd.

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 26-JUL-2015
Account: ROCKHA

CERTIFICATE WH15103723

Project: Klaza

P.O. No.: Batch 57

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 15-JUL-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21d	Sample logging - ClientBarCode Dup
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
BAG-06	Double Bagging Coarse Rejects
SPL-21d	Split sample - duplicate
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31d	Pulverize Split - duplicate

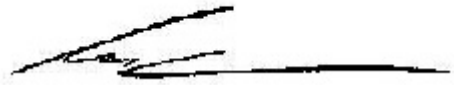
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.

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Project: Klaza

CERTIFICATE OF ANALYSIS WH15103723

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
R610665		4.01	<0.005	0.08	7.01	7.6	2230	1.65	0.11	2.49	0.19	42.4	6.1	9	14.20	3.6
R610666		1.11	0.065	8.41	6.47	176.5	1600	1.59	10.40	2.34	6.79	47.8	7.9	8	20.0	336
R610667		5.01	<0.005	0.15	6.73	14.2	1960	1.77	0.13	2.55	0.84	43.1	5.4	11	16.55	4.2
R610668		2.49	0.027	0.56	6.75	92.1	1350	1.73	0.57	2.24	8.34	43.0	6.7	8	21.8	17.2
R610669		3.88	<0.005	0.13	6.78	9.9	1990	1.72	0.16	2.82	0.30	42.5	6.9	9	13.00	4.4
R610670		1.47	0.005	0.11	6.47	9.8	1930	1.62	0.14	3.02	0.24	39.4	7.0	9	13.90	8.2
R610671		9.20	<0.005	0.15	6.60	9.7	1920	1.38	0.13	1.96	0.54	37.0	5.1	11	8.89	3.7
R610672		2.39	<0.005	0.22	6.80	11.7	1390	1.73	0.16	2.97	0.57	39.2	4.0	10	10.00	4.1
R610673		2.25	0.113	3.26	6.45	162.5	580	1.54	2.28	1.94	39.2	40.7	3.6	8	7.00	51.2
R610674		9.64	<0.005	0.15	7.00	11.2	1640	1.44	0.17	2.40	0.13	36.9	3.8	9	8.39	4.9
R610675		<0.02	<0.005	0.17	7.05	11.9	1670	1.42	0.17	2.43	0.18	37.1	4.1	9	8.61	4.8
R610676		2.16	<0.005	0.08	7.05	6.0	2380	1.79	0.11	2.55	0.12	43.3	5.5	9	12.10	2.5
R610677		4.15	<0.005	0.10	6.78	9.2	2060	1.65	0.14	2.58	0.29	43.6	6.3	10	11.45	3.2
R610678		3.80	<0.005	0.07	7.30	11.0	1560	1.43	0.10	1.33	0.11	37.2	5.3	8	32.6	2.9
R610679		4.96	<0.005	0.05	6.89	13.9	1050	1.52	0.09	1.29	0.15	48.8	3.8	10	13.40	3.2
R610680		10.02	<0.005	0.08	7.11	12.5	1020	1.55	0.13	2.09	0.15	40.3	5.2	9	18.40	3.5
R610681		0.31	0.344	4.59	6.40	670	730	1.45	3.37	1.96	11.05	46.9	11.6	24	13.05	305
R610682		4.75	<0.005	0.09	7.42	14.6	1170	1.32	0.11	1.62	0.14	43.9	4.7	8	19.65	17.4
R610683		5.19	0.011	0.81	6.83	31.5	990	1.66	1.59	1.82	1.59	39.8	8.1	8	15.75	43.3
R610684		3.48	0.196	1.83	6.95	2100	600	1.57	2.33	1.00	10.05	54.7	7.3	9	13.40	35.2
R610685		0.31	0.928	12.30	6.46	1530	1180	1.47	12.00	1.83	33.9	45.6	17.1	18	13.60	288
R610686		4.01	0.140	2.87	4.65	293	750	1.09	2.84	0.83	17.75	31.4	3.0	9	10.90	72.8
R610687		1.97	0.026	0.92	6.13	39.1	590	1.36	0.91	3.16	7.02	34.7	1.5	7	16.70	32.9
R610688		3.18	2.48	32.3	5.92	1120	480	1.47	51.9	0.45	7.08	23.9	50.0	6	6.56	1050
R610689		2.65	0.664	2.17	8.30	241	780	2.66	2.92	0.02	0.38	0.13	16.9	2	4.78	290
R610690		5.85	<0.005	0.10	0.07	1.3	180	0.06	0.12	19.95	0.09	1.09	0.6	1	0.27	4.5
R610691		1.37	0.353	3.12	6.79	76.6	1210	1.38	3.13	1.53	40.4	50.2	11.2	8	5.31	62.8
R610692		2.24	2.93	5.97	6.01	130.0	510	1.31	7.67	1.67	6.51	42.7	164.5	8	8.19	20.8
R610693		3.89	0.079	1.81	6.95	43.4	990	1.45	2.07	1.24	25.6	46.0	2.6	9	10.80	35.7
R610694		1.41	0.398	6.87	5.38	424	640	1.29	1.90	3.19	27.1	34.5	3.0	7	11.80	732
R610695		5.37	<0.005	0.03	0.09	0.5	30	0.07	0.03	20.1	0.13	1.37	0.5	1	0.51	1.9
R610696		3.95	0.006	0.25	7.57	12.1	620	1.45	0.25	1.56	1.32	33.8	1.5	9	8.46	26.1
R610697		2.24	0.005	0.26	7.11	5.6	780	1.55	0.21	3.91	0.16	36.9	1.1	9	7.91	47.3
R610698		2.88	0.022	0.20	6.61	43.3	2040	1.57	0.18	2.21	2.95	40.7	5.1	8	18.50	4.6
R610699		3.61	0.369	1.29	6.91	140.0	1450	1.49	0.44	2.35	6.45	47.9	4.8	9	19.55	15.7
R610700		1.55	1.330	12.35	4.99	2900	1400	1.06	14.45	0.92	145.5	33.3	62.4	7	5.22	152.0

***** See Appendix Page for comments regarding this certificate *****

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VANCOUVER BC V6B 1L8

Finalized Date: 26-JUL-2015
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Project: Klaza

CERTIFICATE OF ANALYSIS WH15103723

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
R610665		2.88	16.10	0.11	1.1	0.048	2.72	20.7	13.4	0.69	553	0.57	2.09	8.4	2.7	560
R610666		4.48	14.25	0.11	0.9	0.640	2.95	25.0	16.8	0.80	3840	0.44	0.28	6.9	2.4	460
R610667		2.80	16.00	0.15	1.0	0.097	2.86	20.2	23.6	0.65	940	0.64	1.55	8.2	2.4	570
R610668		3.30	16.00	0.14	1.0	0.393	3.11	20.2	30.0	0.72	1780	0.96	0.33	8.0	2.3	550
R610669		3.06	15.90	0.11	1.0	0.047	2.90	19.8	13.3	0.61	1020	0.74	1.24	7.9	2.8	600
R610670		3.05	15.90	0.10	1.0	0.054	2.85	17.3	13.0	0.61	1020	0.58	1.26	7.7	2.4	620
R610671		2.80	15.95	0.10	1.0	0.046	2.65	16.9	22.8	0.45	746	6.60	0.34	8.2	2.3	590
R610672		2.43	16.10	0.14	1.0	0.083	2.11	17.2	14.5	0.66	811	1.36	1.93	8.3	2.2	580
R610673		4.16	15.80	0.06	0.8	0.833	2.70	14.5	22.2	0.51	2180	0.45	0.05	6.9	1.3	530
R610674		2.74	16.80	0.09	1.1	0.089	1.97	15.0	29.0	0.52	432	0.55	0.44	8.5	2.4	590
R610675		2.77	17.15	0.12	1.1	0.096	2.01	15.0	30.0	0.52	445	0.40	0.44	8.6	2.3	600
R610676		2.88	16.60	0.12	1.2	0.038	2.77	20.8	11.5	0.58	455	0.99	2.17	8.7	2.4	580
R610677		3.10	16.15	0.14	1.1	0.039	2.62	21.1	10.6	0.63	723	0.91	1.87	8.4	2.3	550
R610678		2.48	17.10	0.08	1.1	0.050	2.49	17.7	173.5	0.42	527	0.47	0.10	8.8	2.2	590
R610679		2.04	16.55	0.09	1.0	0.067	1.32	23.4	213	0.43	632	0.53	0.04	8.0	2.0	570
R610680		2.64	16.40	0.10	1.1	0.053	1.26	19.0	217	0.63	719	0.48	0.04	8.4	3.1	600
R610681		4.80	14.95	0.10	1.1	0.316	2.81	25.2	24.7	0.74	1820	14.35	0.14	6.5	15.0	490
R610682		2.67	16.50	0.07	1.2	0.045	0.96	22.3	190.5	0.52	641	0.73	0.02	8.8	2.0	620
R610683		3.05	16.05	0.11	1.0	0.269	2.11	18.4	159.0	0.68	1060	0.66	0.04	7.7	2.0	550
R610684		3.54	16.10	0.13	1.1	0.358	2.89	28.8	64.5	0.56	1280	1.27	0.03	7.4	2.3	540
R610685		6.41	15.15	0.08	1.1	0.822	2.79	23.6	18.7	0.76	1780	9.08	0.12	6.7	12.6	510
R610686		3.17	11.35	<0.05	0.6	0.676	2.08	15.7	46.6	0.40	1750	5.03	0.02	4.3	1.8	320
R610687		2.45	13.60	0.07	0.8	0.253	2.64	15.0	22.3	1.18	1980	1.29	0.03	6.3	1.2	420
R610688		5.89	14.30	<0.05	0.4	0.818	2.78	9.2	20.7	0.35	1180	9.92	0.03	3.8	2.0	200
R610689		2.99	23.7	<0.05	0.2	0.690	4.44	<0.5	7.9	0.29	174	0.86	0.05	0.1	1.0	<10
R610690		0.48	0.25	0.06	<0.1	0.006	0.03	0.5	1.0	12.70	226	0.10	<0.01	0.2	1.5	170
R610691		3.15	14.10	0.11	0.7	0.966	3.37	19.9	4.3	0.71	2610	20.6	0.04	6.1	1.4	360
R610692		6.49	13.15	0.05	0.6	0.231	2.77	18.5	10.1	0.69	1720	18.00	0.03	5.9	3.5	360
R610693		4.02	15.35	0.08	0.7	0.796	3.12	20.3	6.0	0.64	4620	4.08	0.04	6.6	0.9	280
R610694		7.03	12.35	<0.05	0.5	1.725	2.29	13.9	12.0	0.96	11250	3.68	0.02	5.4	1.5	370
R610695		0.48	0.30	<0.05	<0.1	0.007	0.04	0.6	1.1	12.60	228	0.33	0.01	0.3	1.5	160
R610696		1.87	16.65	0.11	0.9	0.197	1.40	11.5	41.0	0.51	978	0.22	0.04	8.3	1.3	610
R610697		2.13	16.15	0.13	0.9	0.162	1.08	14.1	14.5	0.79	612	0.36	1.59	8.8	2.0	670
R610698		2.64	15.60	0.11	1.2	0.034	3.16	20.4	26.7	0.56	699	2.30	1.06	7.8	2.1	530
R610699		3.28	16.30	0.10	1.3	0.132	3.27	24.8	16.6	0.82	3330	2.51	0.03	8.1	2.2	550
R610700		9.27	12.65	0.07	0.8	3.25	2.38	17.2	8.3	0.44	756	11.85	0.04	4.2	9.8	390

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 26-JUL-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15103723

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
R610665		19.0	101.0	<0.002	0.03	2.33	10.0	1	1.7	353	0.65	<0.05	11.5	0.252	1.23	4.0
R610666		119.5	147.0	<0.002	0.74	18.05	8.6	<1	2.9	113.0	0.52	<0.05	12.0	0.205	2.67	4.5
R610667		30.3	105.0	<0.002	0.07	4.60	9.6	1	1.9	271	0.63	<0.05	10.9	0.251	1.71	4.1
R610668		63.2	128.5	<0.002	0.81	6.83	10.0	1	2.8	126.5	0.61	<0.05	11.2	0.243	2.55	4.6
R610669		34.3	110.5	<0.002	0.16	4.86	10.4	1	2.3	227	0.60	<0.05	10.0	0.250	1.66	3.4
R610670		20.1	101.5	<0.002	0.15	4.85	9.8	1	2.7	225	0.56	<0.05	8.8	0.255	1.67	3.2
R610671		46.0	87.1	0.002	0.07	14.85	9.6	1	2.2	111.0	0.61	<0.05	9.8	0.257	1.33	3.4
R610672		47.0	79.0	<0.002	0.11	3.32	9.6	<1	2.7	302	0.64	<0.05	9.9	0.253	1.42	4.1
R610673		1185	139.0	0.002	2.06	7.14	8.8	1	6.3	57.3	0.53	0.06	10.3	0.204	2.46	4.6
R610674		17.7	70.9	<0.002	0.08	10.35	9.4	1	2.5	115.0	0.67	<0.05	10.2	0.257	1.27	2.9
R610675		19.5	70.5	<0.002	0.09	10.85	9.5	1	2.5	117.5	0.70	<0.05	10.0	0.266	1.31	3.0
R610676		17.9	95.7	<0.002	0.02	3.40	9.8	1	1.7	353	0.68	<0.05	11.0	0.258	1.16	3.7
R610677		20.4	93.0	<0.002	0.06	3.49	9.8	1	1.6	307	0.67	<0.05	11.2	0.244	1.26	4.1
R610678		15.8	91.1	<0.002	0.04	25.0	10.4	1	1.8	127.5	0.69	<0.05	10.9	0.261	1.23	2.9
R610679		10.2	61.9	0.002	0.13	34.6	9.7	1	2.3	136.0	0.62	<0.05	11.3	0.236	1.04	2.8
R610680		9.1	41.8	<0.002	0.06	27.7	9.9	1	1.9	145.5	0.68	<0.05	10.5	0.259	0.93	3.0
R610681		481	142.0	0.006	2.60	27.0	8.9	1	5.6	107.5	0.49	0.29	10.5	0.198	2.53	5.0
R610682		10.5	37.8	<0.002	0.12	31.3	10.4	1	1.7	172.0	0.72	<0.05	12.1	0.265	0.81	2.5
R610683		58.4	96.4	<0.002	0.57	32.6	9.4	1	2.6	106.0	0.61	0.16	11.2	0.227	1.88	3.7
R610684		348	207	<0.002	1.73	23.8	9.7	1	5.9	61.2	0.58	0.14	14.4	0.215	2.88	4.4
R610685		1320	160.5	<0.002	4.56	64.8	9.3	1	8.1	97.4	0.54	1.10	10.5	0.204	2.54	5.1
R610686		349	154.0	<0.002	1.51	84.6	6.3	1	5.5	25.5	0.34	0.05	8.1	0.129	2.24	7.1
R610687		122.5	176.0	<0.002	0.31	27.6	8.7	1	2.8	59.8	0.51	<0.05	11.5	0.189	3.08	6.1
R610688		487	181.5	0.002	5.19	314	4.7	1	13.6	11.5	0.29	2.98	5.9	0.114	2.47	8.2
R610689		22.9	283	0.002	2.29	54.3	1.9	<1	46.6	3.4	<0.05	0.74	<0.2	0.005	3.21	0.4
R610690		2.3	2.0	<0.002	<0.01	0.73	0.2	<1	0.2	52.1	<0.05	<0.05	<0.2	<0.005	<0.02	0.6
R610691		1210	216	0.016	1.15	5.37	8.5	1	5.2	24.8	0.50	0.30	14.4	0.192	2.48	4.7
R610692		279	174.0	0.014	5.97	7.87	8.1	2	7.4	37.2	0.48	3.37	11.0	0.193	2.17	3.3
R610693		246	182.5	<0.002	0.47	7.78	8.9	1	4.2	30.5	0.51	0.09	11.5	0.202	3.13	3.6
R610694		160.5	136.0	<0.002	2.17	108.0	9.0	<1	6.1	65.3	0.42	0.11	9.0	0.160	2.76	3.1
R610695		2.4	2.8	<0.002	<0.01	0.21	0.2	<1	<0.2	48.7	<0.05	<0.05	<0.2	<0.005	0.02	0.5
R610696		46.6	63.0	<0.002	0.08	22.3	10.1	1	3.6	49.6	0.64	0.05	11.4	0.263	1.46	3.7
R610697		13.0	43.7	<0.002	0.03	5.13	9.6	1	3.1	265	0.70	0.05	10.7	0.267	1.09	3.2
R610698		28.8	127.5	<0.002	0.22	5.45	8.7	<1	1.7	194.5	0.66	<0.05	10.0	0.236	2.13	3.6
R610699		373	161.0	<0.002	1.66	11.95	10.0	1	2.8	82.8	0.66	<0.05	11.4	0.235	3.88	7.8
R610700		1840	134.0	<0.002	9.85	46.5	8.4	2	2.9	21.0	0.37	1.21	9.2	0.134	2.11	3.3

***** See Appendix Page for comments regarding this certificate *****

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 26-JUL-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15103723

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	V	W	Y	Zn	Zr
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	1	0.1	0.1	2	0.5
R610665		68	1.3	15.4	43	33.5
R610666		55	3.3	12.3	615	24.6
R610667		67	1.7	13.8	95	29.8
R610668		66	2.7	14.6	717	28.2
R610669		72	1.9	14.0	68	27.9
R610670		75	1.9	13.1	63	29.4
R610671		71	3.1	13.0	83	31.1
R610672		70	1.7	15.7	86	31.0
R610673		54	3.8	10.3	3310	21.8
R610674		79	3.0	12.6	51	31.8
R610675		81	3.2	12.7	52	31.3
R610676		70	1.2	15.6	42	35.3
R610677		66	1.9	16.1	56	33.4
R610678		71	2.7	12.4	49	34.3
R610679		65	2.5	14.3	64	29.5
R610680		72	2.8	13.6	57	31.8
R610681		63	5.5	11.0	866	31.7
R610682		71	4.6	15.3	51	36.9
R610683		62	4.1	12.4	182	31.6
R610684		61	5.0	11.7	771	31.2
R610685		61	5.9	11.2	2430	31.5
R610686		44	4.3	9.3	1300	17.9
R610687		52	3.4	13.2	554	21.3
R610688		36	5.3	8.2	473	12.2
R610689		30	2.8	0.9	48	8.0
R610690		1	0.1	0.8	20	<0.5
R610691		51	7.6	12.1	3240	17.8
R610692		68	7.7	13.3	561	16.1
R610693		46	5.2	11.1	1880	18.2
R610694		47	5.3	13.8	2620	14.7
R610695		1	0.1	0.8	25	<0.5
R610696		63	2.6	12.5	140	24.0
R610697		65	0.8	16.4	56	25.1
R610698		65	1.9	11.7	247	35.0
R610699		67	5.9	12.0	477	38.5
R610700		48	2.5	7.8	8850	20.2

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: Klaza

Finalized Date: 26-JUL-2015
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH15103723

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	ME-MS61

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 31-JUL-2015
Account: ROCKHA

CERTIFICATE WH15105473

Project: KLAZA

P.O. No.: BATCH 55

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 19-JUL-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21d	Sample logging - ClientBarCode Dup
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
BAG-06	Double Bagging Coarse Rejects
SPL-21d	Split sample - duplicate
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31d	Pulverize Split - duplicate

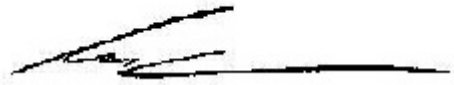
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 31-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15105473

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
R610263		5.78	<0.005	0.09	6.72	19.9	1150	2.43	0.12	2.17	0.52	49.0	4.7	13	20.3	7.1
R610264		3.86	0.031	0.33	7.28	69.6	3610	2.73	0.50	2.59	0.35	48.8	8.2	6	30.7	15.2
R610265		5.90	<0.005	0.05	7.94	36.1	1140	2.78	0.16	1.92	0.26	71.9	8.0	23	18.40	9.1
R610266		1.91	0.933	1.83	6.66	426	1060	2.34	1.66	3.75	15.75	58.0	7.2	7	20.8	31.3
R610267		5.40	<0.005	0.01	0.09	0.4	30	0.08	0.04	20.7	0.08	1.33	1.3	<1	0.36	2.0
R610268		2.85	0.729	24.3	6.58	481	470	2.32	46.5	0.86	15.00	46.6	8.9	12	19.05	70.5
R610269		2.85	<0.005	0.20	6.84	17.1	2250	2.08	0.29	2.71	0.31	38.1	7.6	8	12.10	6.4
R610270		5.38	<0.005	0.29	7.15	11.4	1640	1.82	0.47	2.71	1.06	40.7	8.9	8	15.75	21.3
R610271		4.75	<0.005	0.06	6.21	4.3	1650	1.90	1.62	3.22	0.18	33.8	7.8	8	8.86	6.5
R610272		<0.02	<0.005	0.07	6.41	4.1	1680	1.99	1.29	3.30	0.18	34.5	8.1	9	9.29	7.1
R610273		3.28	<0.005	0.29	6.61	16.2	2590	1.79	3.56	5.32	0.42	39.8	10.4	8	21.7	9.0
R610274		4.20	<0.005	0.23	6.39	3.6	1990	1.66	1.26	3.31	0.13	37.7	8.2	10	6.21	11.4
R610275		0.30	0.364	4.65	6.68	708	780	1.77	3.46	2.04	10.60	49.3	12.7	24	13.50	301
R610276		4.70	<0.005	0.10	6.25	5.3	2270	1.62	2.24	3.15	0.19	39.5	7.6	7	8.09	4.5
R610277		4.11	<0.005	0.10	6.76	3.7	1790	1.69	2.56	3.07	0.20	40.8	8.5	9	8.07	10.9
R610278		4.32	<0.005	0.11	6.49	10.8	2520	1.67	1.10	3.46	0.17	41.3	8.2	6	13.80	6.8
R610279		3.63	<0.005	0.07	7.62	9.0	1140	1.57	0.05	1.55	0.13	39.2	8.2	8	14.60	7.6
R610280		1.10	<0.005	0.06	7.63	7.6	1220	1.47	0.05	1.56	0.11	40.0	8.6	7	14.40	12.4
R610281		3.00	<0.005	0.18	7.28	41.0	980	1.88	0.06	2.92	0.17	46.2	9.1	9	28.7	7.0
R610282		3.42	0.018	1.34	6.82	448	1230	1.76	0.06	3.21	3.13	40.2	9.2	8	20.6	15.5
R610283		5.96	<0.005	0.08	7.05	6.0	1670	1.63	0.23	2.72	0.04	37.3	9.1	9	12.70	6.9
R610284		0.30	1.715	39.7	5.80	2560	730	1.32	36.3	1.69	46.4	35.0	17.4	21	10.20	1165
R610285		3.94	<0.005	0.08	6.76	4.3	4520	1.66	0.21	3.21	0.13	38.8	8.1	9	8.27	3.9
R610286		3.76	0.005	0.15	6.95	11.8	2600	1.57	0.43	2.81	0.15	48.7	8.1	9	8.47	3.4
R610287		2.20	0.031	1.28	7.25	225	850	1.54	1.39	1.90	7.99	65.8	8.0	8	9.15	11.0
R610288		4.94	0.046	1.15	7.18	556	1230	1.55	0.40	3.26	2.20	49.5	9.0	8	13.15	7.8
R610289		2.45	0.197	5.97	7.13	2410	640	1.56	0.33	2.93	8.00	49.5	9.7	8	11.95	36.7
R610290		1.53	0.038	3.02	4.88	290	840	1.24	0.12	6.12	16.65	33.5	7.1	5	12.25	20.4
R610291		1.13	<0.005	0.36	7.09	59.4	760	1.67	0.07	2.60	1.78	39.7	8.8	8	24.9	10.4
R610292		3.16	0.086	2.97	6.20	922	390	1.14	0.20	2.47	4.33	48.6	9.0	6	12.60	46.9
R610293		4.58	<0.005	0.01	0.07	1.5	40	0.06	0.05	20.5	0.09	1.32	1.1	<1	0.24	1.7
R610294		2.18	0.006	0.62	6.87	118.0	1160	1.44	0.12	2.41	0.51	33.4	7.7	7	14.70	16.0
R610295		4.92	<0.005	0.05	6.94	21.2	1840	1.66	0.06	2.80	0.06	36.3	8.6	10	18.35	8.4
R610296		5.61	<0.005	0.08	6.79	24.6	2000	1.55	0.06	2.68	0.08	36.7	8.6	9	21.1	7.7
R610297		4.39	<0.005	0.10	8.15	15.3	1450	1.48	0.07	1.59	0.17	47.3	9.7	9	19.15	10.1
R610298		2.33	<0.005	0.08	7.57	7.1	1090	1.45	0.06	1.82	0.24	39.9	7.1	8	19.05	7.5

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 31-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15105473

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
R610263		2.01	18.35	0.29	2.7	0.080	2.46	24.0	93.9	0.72	484	2.63	0.04	10.5	5.3	880
R610264		2.75	15.60	0.25	1.2	0.064	2.98	25.3	30.5	1.04	1130	3.74	0.04	7.9	3.2	640
R610265		2.88	19.25	0.24	4.5	0.041	2.68	37.0	343	1.09	612	0.61	0.05	12.0	8.4	1420
R610266		3.77	15.90	0.28	1.5	0.917	2.91	31.1	34.3	1.34	2270	9.13	0.03	7.3	3.9	590
R610267		0.51	0.46	0.56	<0.1	<0.005	0.03	0.6	2.7	12.70	234	0.17	<0.01	0.2	2.7	200
R610268		4.37	14.70	0.22	1.8	0.823	2.80	24.1	20.4	0.46	571	1.48	0.04	7.3	5.3	580
R610269		3.05	15.95	0.24	1.1	0.036	2.99	17.8	14.6	0.75	627	1.06	2.00	8.2	2.7	590
R610270		3.42	16.50	0.21	1.3	0.036	2.57	19.7	65.5	0.86	2640	1.87	0.73	8.0	2.7	650
R610271		2.86	14.50	0.24	1.1	0.038	2.09	16.8	32.7	0.86	1120	0.17	1.16	6.6	2.2	610
R610272		3.00	15.25	0.23	1.1	0.048	2.13	17.2	36.0	0.88	1150	0.20	1.18	7.0	2.5	620
R610273		3.32	16.10	0.28	1.2	0.113	2.28	20.6	38.5	1.37	1810	0.14	1.00	6.4	2.8	630
R610274		2.81	14.05	0.25	1.0	0.047	1.84	18.9	13.1	0.68	1230	0.19	1.63	6.6	2.5	570
R610275		5.02	15.50	0.21	1.1	0.266	3.00	27.6	26.7	0.77	1900	16.10	0.15	6.4	14.7	530
R610276		2.61	13.70	0.23	1.0	0.120	1.72	20.3	25.8	0.82	1260	0.22	0.80	6.4	2.2	550
R610277		3.10	15.20	0.24	1.0	0.047	1.98	20.3	14.0	0.91	1060	0.29	2.17	7.1	2.7	620
R610278		2.88	14.20	0.25	1.0	0.033	2.38	21.1	48.0	0.96	1040	0.23	0.26	6.9	2.3	590
R610279		2.94	16.35	0.18	1.3	0.033	2.05	18.8	78.6	0.57	850	0.46	0.08	8.6	2.4	700
R610280		2.92	16.55	0.19	1.2	0.026	2.15	19.5	63.3	0.58	821	0.48	0.09	8.5	2.3	690
R610281		3.16	16.05	0.24	1.1	0.042	2.81	23.8	88.0	1.01	1220	0.46	0.07	7.7	2.6	630
R610282		3.10	15.85	0.26	1.1	0.056	3.12	20.0	64.2	0.99	1860	0.42	0.09	7.5	2.5	620
R610283		3.11	16.30	0.23	1.3	0.040	2.46	17.8	40.0	0.85	944	0.33	1.05	8.0	2.6	640
R610284		9.26	14.40	0.21	0.9	1.535	2.72	17.6	17.3	0.69	2330	17.50	0.06	5.0	14.7	460
R610285		3.12	15.95	0.25	1.2	0.040	2.62	18.8	18.2	0.80	1160	0.23	1.20	7.2	2.3	620
R610286		3.88	16.45	0.25	1.2	0.101	2.57	26.2	43.8	0.96	1680	0.18	0.06	6.7	2.5	590
R610287		5.99	19.15	0.26	1.2	0.176	3.29	34.9	77.0	1.07	3950	0.93	0.04	7.5	2.3	660
R610288		3.76	15.80	0.24	1.2	0.082	3.35	25.0	35.3	1.14	3770	0.55	0.05	7.6	2.5	710
R610289		4.24	16.40	0.22	1.3	0.149	3.43	25.5	13.4	0.96	7350	0.47	0.02	7.4	2.7	640
R610290		4.45	10.60	0.17	0.8	0.133	2.18	18.2	25.0	2.21	5710	1.78	0.02	5.1	1.8	390
R610291		2.71	16.45	0.23	1.3	0.032	3.27	19.3	128.0	0.81	2150	1.00	0.07	7.9	2.5	660
R610292		4.89	14.40	0.19	1.2	0.255	2.93	26.8	15.2	0.85	5890	0.91	0.02	6.2	2.5	510
R610293		0.50	0.42	0.53	<0.1	<0.005	0.03	0.6	1.5	12.85	231	0.06	<0.01	0.2	2.1	180
R610294		3.07	16.25	0.27	1.4	0.070	3.24	15.2	43.0	0.79	2360	0.98	0.09	7.8	2.4	630
R610295		3.13	16.45	0.23	1.4	0.025	2.69	17.1	15.4	0.73	806	1.26	1.45	8.1	2.8	650
R610296		3.17	16.00	0.23	1.3	0.039	2.69	17.7	33.3	0.84	1140	0.73	0.86	7.7	2.6	640
R610297		3.53	17.40	0.20	1.4	0.045	2.65	22.9	63.6	0.85	874	0.91	0.10	8.8	2.8	730
R610298		3.17	17.20	0.20	1.3	0.033	2.45	19.5	82.0	0.68	1030	0.58	0.08	8.3	2.4	690

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 31-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15105473

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
R610263		19.9	68.2	0.002	0.33	14.45	4.5	1	1.3	262	0.70	<0.05	8.7	0.271	1.01	3.7
R610264		28.6	160.0	<0.002	0.78	14.15	10.5	1	1.8	186.5	0.65	<0.05	13.6	0.237	2.58	4.5
R610265		12.0	95.3	<0.002	0.04	18.25	7.1	1	1.4	484	0.71	<0.05	10.1	0.372	1.37	3.8
R610266		92.6	171.5	<0.002	2.06	14.05	8.8	1	3.2	229	0.55	0.09	12.6	0.221	2.60	3.6
R610267		1.2	1.9	<0.002	0.01	0.18	0.2	<1	<0.2	48.8	<0.05	<0.05	<0.2	<0.005	0.03	0.6
R610268		751	173.5	<0.002	3.93	14.15	8.3	1	4.7	203	0.54	0.49	11.0	0.213	2.39	4.9
R610269		21.2	98.9	<0.002	0.09	2.19	9.9	1	1.5	360	0.63	<0.05	10.6	0.252	1.59	3.5
R610270		105.5	90.1	<0.002	0.13	11.30	11.1	1	2.0	225	0.64	<0.05	11.4	0.279	1.61	4.2
R610271		14.7	66.9	<0.002	0.03	4.33	9.9	<1	1.5	216	0.48	<0.05	10.4	0.237	1.03	2.5
R610272		16.8	68.0	<0.002	0.03	4.47	10.3	1	1.6	221	0.53	<0.05	9.8	0.248	1.06	2.3
R610273		15.4	90.2	<0.002	0.09	7.50	11.0	1	1.9	286	0.50	<0.05	10.3	0.229	1.25	4.4
R610274		14.8	70.9	<0.002	0.04	3.36	10.2	1	1.4	240	0.48	0.06	10.5	0.236	0.86	2.2
R610275		485	163.5	0.004	2.66	27.1	9.6	1	5.4	109.0	0.52	0.29	12.5	0.204	2.37	5.1
R610276		11.3	67.4	<0.002	0.05	6.82	9.8	1	1.5	206	0.48	<0.05	12.0	0.224	0.87	2.2
R610277		14.0	84.9	<0.002	0.03	3.24	11.5	1	1.6	254	0.53	<0.05	10.5	0.258	1.10	3.5
R610278		10.4	98.2	<0.002	0.15	9.71	10.3	<1	1.2	197.5	0.51	<0.05	10.2	0.247	1.63	2.4
R610279		15.0	70.8	<0.002	0.07	20.8	11.9	1	1.7	129.0	0.64	<0.05	13.6	0.297	1.11	2.9
R610280		13.4	75.3	<0.002	0.05	18.65	11.7	1	2.3	130.5	0.64	<0.05	12.6	0.296	1.03	2.5
R610281		17.1	124.0	<0.002	0.22	15.30	12.4	1	1.6	209	0.59	<0.05	12.8	0.279	2.49	3.4
R610282		67.2	122.0	<0.002	0.31	22.0	10.4	1	1.5	192.0	0.58	<0.05	11.1	0.264	2.67	4.0
R610283		15.9	78.5	<0.002	0.06	4.82	10.8	1	1.8	249	0.63	<0.05	11.0	0.280	1.17	3.6
R610284		1720	150.5	0.002	7.92	107.0	8.4	2	10.6	64.6	0.41	0.70	9.7	0.169	2.28	5.5
R610285		12.0	109.0	<0.002	0.16	3.41	10.6	1	1.5	257	0.56	<0.05	11.5	0.264	1.41	3.3
R610286		14.3	150.5	<0.002	0.49	5.08	11.3	<1	1.9	126.5	0.51	<0.05	15.1	0.243	1.58	3.3
R610287		245	196.5	<0.002	1.33	12.05	13.8	1	3.2	61.4	0.56	<0.05	15.2	0.283	2.43	4.7
R610288		82.0	177.0	<0.002	0.91	18.50	12.4	1	1.9	119.0	0.59	<0.05	14.8	0.286	2.71	5.1
R610289		501	234	<0.002	1.95	58.8	12.1	1	2.6	92.8	0.56	<0.05	14.1	0.276	3.23	9.9
R610290		746	146.0	<0.002	1.06	30.5	8.3	1	1.6	162.0	0.37	0.09	9.1	0.172	2.04	10.6
R610291		89.0	113.5	<0.002	0.35	20.7	11.1	1	1.6	187.5	0.60	<0.05	12.2	0.295	2.45	5.8
R610292		330	225	<0.002	3.10	44.4	9.9	1	3.1	75.5	0.50	<0.05	14.4	0.220	3.01	3.9
R610293		2.0	1.7	<0.002	0.01	0.20	0.2	<1	<0.2	50.2	<0.05	<0.05	<0.2	<0.005	<0.02	0.6
R610294		58.8	111.5	<0.002	0.35	16.40	10.3	<1	2.3	153.5	0.68	<0.05	11.1	0.273	1.97	4.1
R610295		16.1	91.3	<0.002	0.05	5.76	10.5	1	1.5	393	0.66	<0.05	10.5	0.279	1.48	3.4
R610296		15.2	92.2	<0.002	0.09	6.53	10.9	1	1.6	299	0.62	<0.05	12.5	0.275	2.49	3.7
R610297		18.1	101.0	<0.002	0.08	9.90	12.9	<1	1.8	169.0	0.72	<0.05	13.9	0.320	1.35	3.9
R610298		16.1	86.6	<0.002	0.05	14.25	11.2	1	1.6	148.0	0.67	<0.05	13.0	0.294	1.25	3.2

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Sample Description	Method Analyte Units LOR	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
R610263		43	1.7	8.0	86	95.7
R610264		69	2.9	14.4	68	32.7
R610265		70	1.6	12.0	91	188.5
R610266		59	3.0	13.9	978	49.4
R610267		2	0.1	0.8	19	1.0
R610268		59	3.7	9.4	982	62.6
R610269		71	1.2	13.9	58	28.8
R610270		82	2.6	14.3	154	35.9
R610271		78	2.4	12.0	99	31.8
R610272		80	2.7	11.4	103	31.2
R610273		85	2.9	13.3	150	33.1
R610274		71	2.8	10.9	125	28.8
R610275		65	5.4	12.7	862	32.5
R610276		67	3.0	12.2	106	30.2
R610277		81	1.8	11.3	81	25.0
R610278		74	1.6	11.9	75	25.1
R610279		82	10.8	13.8	63	31.4
R610280		82	9.5	14.2	63	30.6
R610281		87	3.8	16.4	75	26.6
R610282		80	5.5	14.2	338	27.0
R610283		82	2.4	12.7	74	32.0
R610284		58	7.4	9.5	3370	23.5
R610285		80	2.7	10.4	74	30.2
R610286		78	3.8	12.5	88	29.3
R610287		91	7.4	13.7	666	30.7
R610288		86	3.7	13.9	255	29.6
R610289		82	6.8	15.8	955	31.6
R610290		60	3.6	13.3	1300	21.5
R610291		89	2.9	13.5	197	32.9
R610292		67	7.9	11.3	465	29.0
R610293		2	0.1	0.8	19	<0.5
R610294		79	4.5	12.2	104	33.6
R610295		81	1.9	13.7	58	34.0
R610296		84	1.6	13.8	67	32.1
R610297		94	4.1	15.1	80	35.6
R610298		83	7.2	14.3	79	33.1

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

2103 Dollarton Hwy
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Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: KLAZA

Finalized Date: 31-JUL-2015
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH15105473

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	ME-MS61

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VANCOUVER BC V6B 1L8

Finalized Date: 31-JUL-2015
Account: ROCKHA

CERTIFICATE WH15105477

Project: KLAZA

P.O. No.: BATCH 58

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 19-JUL-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21d	Sample logging - ClientBarCode Dup
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
BAG-06	Double Bagging Coarse Rejects
SPL-21d	Split sample - duplicate
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31d	Pulverize Split - duplicate

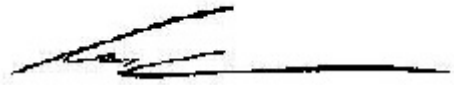
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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VANCOUVER BC V6B 1L8

Finalized Date: 31-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15105477

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
R610701		2.98	0.069	2.17	6.80	144.0	820	1.40	1.41	1.41	18.85	54.0	6.2	9	9.31	43.1
R610702		4.51	<0.005	0.16	6.90	11.0	2900	1.51	0.13	2.47	0.72	41.6	6.7	11	12.20	4.0
R610703		9.46	<0.005	0.13	7.11	9.5	2600	1.57	0.12	2.44	0.27	47.3	6.0	14	13.30	4.2
R610704		4.14	<0.005	0.16	7.49	16.1	1800	1.60	0.16	2.30	1.05	44.6	6.4	10	17.85	5.0
R610705		1.24	0.038	0.63	6.72	60.6	1600	1.53	0.14	3.58	6.10	54.0	7.9	9	17.75	4.6
R610706		3.91	0.006	0.50	7.07	39.8	1840	1.68	0.12	2.85	0.49	47.2	5.3	11	18.40	89.2
R610707		4.08	<0.005	0.07	7.14	5.5	2340	1.76	0.08	2.49	0.13	39.7	4.9	14	20.8	2.5
R610708		4.72	0.025	0.72	7.09	58.4	1270	1.93	0.26	2.63	6.46	45.1	4.9	8	22.8	7.1
R610709		0.29	0.415	4.34	6.27	714	600	1.49	3.39	2.00	10.65	40.8	12.4	25	12.85	311
R610710		0.99	0.763	21.3	3.28	434	60	0.90	1.22	4.78	97.2	9.84	2.3	6	7.31	86.2
R610711		2.63	0.005	0.26	7.11	27.6	1200	1.76	0.12	2.37	0.27	41.1	5.3	8	20.1	2.9
R610712		1.50	1.115	13.80	3.39	1930	50	0.94	2.45	4.82	43.6	9.64	3.7	5	7.81	28.0
R610713		4.56	<0.005	0.04	0.08	2.6	140	0.05	0.03	22.0	0.22	1.30	1.2	<1	0.26	2.2
R610714		3.02	0.223	3.71	6.94	173.5	390	1.51	2.69	1.72	22.7	60.4	4.4	9	14.15	24.7
R610715		4.06	0.021	0.41	7.09	22.4	980	1.62	0.21	3.04	6.66	44.1	4.1	9	25.4	5.0
R610716		3.63	<0.005	0.08	7.72	10.8	2530	1.76	0.10	2.75	0.13	51.9	4.3	11	19.60	2.8
R610717		2.35	<0.005	0.09	7.14	6.8	1910	1.60	0.11	3.06	0.15	39.6	3.9	10	14.05	8.3
R610718		1.22	0.665	3.65	6.70	82.1	1140	1.46	1.06	2.66	39.3	48.1	3.8	8	14.20	79.4
R610719		4.08	0.054	0.83	6.95	71.4	820	1.82	0.69	2.54	1.77	43.3	3.9	10	14.95	10.5
R610720		<0.02	0.058	0.79	6.71	65.9	790	1.85	0.64	2.45	1.79	41.7	3.9	9	14.65	10.8
R610721		1.25	2.28	12.25	5.91	312	120	1.29	1.96	1.40	33.9	23.2	2.2	7	8.46	139.5
R610722		0.29	0.952	11.60	6.73	1645	230	1.52	12.95	1.91	33.9	46.3	18.6	20	14.35	296
R610723		4.82	0.504	5.19	7.11	413	320	1.57	2.37	0.95	45.5	49.6	1.9	8	10.50	64.8
R610724		1.73	0.202	4.16	6.58	196.0	770	1.58	3.48	1.16	47.6	42.9	11.4	7	12.75	102.0
R610725		8.04	0.014	0.33	7.17	28.7	1130	1.86	0.34	3.01	1.26	46.0	3.8	10	21.1	29.6
R610726		3.51	0.017	0.22	6.91	23.3	1080	1.85	0.30	3.19	0.48	44.6	4.4	8	20.7	20.2
R610727		1.62	0.129	2.83	6.32	143.0	1370	1.72	0.86	4.16	1.54	48.7	6.3	6	17.00	273
R610728		1.81	0.007	0.34	6.72	23.0	770	1.62	0.49	3.50	0.43	36.7	3.0	9	10.10	29.0
R610729		10.57	<0.005	0.09	7.06	6.1	1670	1.77	0.13	2.91	0.17	48.0	4.6	9	16.10	3.4
R610730		8.04	<0.005	0.14	6.96	9.0	2130	1.72	0.24	2.71	0.46	41.1	5.7	10	17.60	9.7
R610731		3.29	0.023	1.14	7.43	62.8	2300	1.86	0.79	2.03	17.10	56.0	6.8	8	19.55	20.6
R610732		3.14	0.929	11.95	5.89	673	280	1.64	10.25	0.67	53.7	39.8	5.9	7	21.4	326
R610733		5.12	<0.005	0.03	0.07	0.3	30	0.07	0.04	20.3	0.17	1.33	1.0	1	0.27	2.3
R610734		4.96	0.088	10.60	6.63	103.0	760	1.18	1.01	1.61	49.6	47.4	3.5	9	11.85	29.5
R610735		6.98	0.011	0.66	7.66	32.6	1700	1.57	0.33	1.80	4.70	50.6	4.6	10	17.35	19.4
R610736		3.76	0.110	1.40	7.19	685	820	1.59	1.48	1.92	20.2	50.0	4.0	9	13.55	24.2

***** See Appendix Page for comments regarding this certificate *****

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 31-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15105477

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
R610701		4.14	14.60	0.06	1.0	0.397	3.41	30.3	13.0	0.59	2220	4.46	0.04	5.5	5.6	530
R610702		2.66	15.25	0.12	1.1	0.029	3.51	21.8	13.3	0.68	522	2.26	1.65	7.1	3.0	580
R610703		2.94	16.05	0.11	1.2	0.036	3.07	24.3	14.9	0.74	556	1.88	2.10	7.7	3.1	580
R610704		2.80	15.75	0.11	1.3	0.047	3.15	23.1	70.2	0.70	715	2.10	0.45	7.7	2.5	610
R610705		3.42	14.95	0.11	1.0	0.116	3.02	30.6	25.0	1.25	2300	5.69	0.07	5.8	3.8	550
R610706		2.67	15.55	0.12	1.0	0.122	2.97	25.8	68.9	0.93	980	3.48	0.07	6.9	2.4	600
R610707		2.78	15.85	0.13	1.3	0.039	2.89	19.3	16.6	0.69	480	2.33	2.39	7.9	2.9	600
R610708		2.73	16.05	0.13	1.1	0.233	3.44	22.4	14.7	0.88	2110	3.39	0.06	7.8	3.0	620
R610709		4.92	14.85	0.06	1.1	0.305	3.00	21.2	26.8	0.72	1900	13.95	0.15	6.0	15.1	520
R610710		6.67	7.20	<0.05	0.5	2.45	1.52	2.0	18.5	1.41	11700	20.1	0.02	3.1	1.6	290
R610711		2.66	16.75	0.07	1.3	0.055	2.49	19.6	47.8	0.73	1540	3.07	0.04	7.7	2.6	600
R610712		8.76	7.48	<0.05	0.6	0.903	1.55	2.0	16.4	1.59	12250	14.95	0.02	3.4	2.0	280
R610713		0.53	0.26	0.07	<0.1	0.009	0.03	0.6	1.0	13.55	276	0.15	<0.01	0.1	1.6	180
R610714		4.50	15.85	<0.05	1.1	0.808	3.38	32.2	10.8	0.69	3460	7.53	0.04	6.2	3.1	540
R610715		2.25	16.15	0.11	1.4	0.236	3.27	21.6	30.9	0.86	1100	4.10	0.19	8.1	2.4	590
R610716		2.83	16.85	0.11	1.3	0.043	3.23	26.7	15.5	0.73	682	2.57	1.83	8.5	2.4	630
R610717		2.75	16.35	0.11	1.1	0.052	2.49	17.9	15.8	0.61	621	0.56	1.68	8.0	2.2	600
R610718		3.50	14.65	0.07	0.9	0.930	2.68	23.4	19.5	0.91	2350	0.53	0.07	6.4	2.2	480
R610719		3.42	15.80	0.08	1.1	0.343	2.95	19.3	69.0	0.90	2840	0.59	0.05	7.2	2.7	570
R610720		3.33	15.20	0.07	1.1	0.339	2.87	19.0	68.0	0.87	2740	0.54	0.04	7.0	2.4	560
R610721		5.64	13.80	<0.05	0.7	1.695	2.83	5.3	11.0	0.75	4290	0.56	0.03	5.2	1.6	360
R610722		6.75	15.45	<0.05	1.1	0.825	3.03	24.2	20.9	0.78	1910	9.37	0.13	6.4	12.9	560
R610723		6.39	17.05	0.05	0.9	1.430	3.42	22.1	7.4	0.66	3070	0.41	0.03	6.4	2.0	560
R610724		5.15	16.95	<0.05	0.8	1.990	2.80	16.0	25.7	0.64	4610	0.39	0.05	6.2	1.7	410
R610725		3.26	16.50	0.07	1.1	0.435	2.35	20.7	29.6	0.80	2130	0.61	0.90	7.4	2.3	570
R610726		2.76	16.55	0.09	1.1	0.232	2.12	19.9	33.2	0.80	1350	0.55	1.00	7.7	2.2	570
R610727		4.08	14.65	0.07	0.8	0.815	2.55	22.7	67.5	1.02	6270	0.31	0.06	6.0	1.7	450
R610728		2.10	17.15	0.10	0.9	0.247	2.64	14.0	38.4	0.63	1520	0.27	0.12	7.0	1.7	590
R610729		2.88	16.20	0.11	1.3	0.062	2.09	23.5	18.2	0.78	618	0.75	2.04	8.1	2.5	620
R610730		3.07	16.70	0.11	1.4	0.091	2.79	20.3	25.9	0.71	677	1.27	1.09	7.8	2.5	590
R610731		4.48	16.15	0.08	1.2	0.340	3.25	30.3	50.5	0.89	2430	2.09	0.06	7.2	2.4	570
R610732		5.19	13.90	0.05	0.9	1.890	2.55	21.1	26.9	0.44	2140	3.42	0.03	5.4	2.4	420
R610733		0.48	0.25	0.14	<0.1	0.008	0.03	0.6	1.1	12.50	226	0.15	0.01	0.2	1.6	180
R610734		4.63	15.35	<0.05	0.8	0.588	3.05	21.5	12.1	0.77	4350	1.60	0.04	5.8	1.6	490
R610735		2.97	16.75	0.07	1.4	0.237	2.17	23.1	127.5	0.67	1440	0.97	0.04	8.1	2.5	630
R610736		3.36	16.10	0.08	1.1	0.439	2.82	23.0	57.7	0.73	1470	4.60	0.05	7.3	2.4	560

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Finalized Date: 31-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15105477

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
R610701		806	194.5	0.002	2.06	9.50	8.6	1	2.4	38.7	0.47	0.08	12.1	0.187	3.09	4.8
R610702		25.4	128.5	<0.002	0.12	3.36	9.6	1	1.4	266	0.62	<0.05	11.5	0.239	1.79	5.0
R610703		21.0	106.0	<0.002	0.08	3.89	10.0	<1	1.4	326	0.67	<0.05	12.2	0.249	1.43	4.7
R610704		36.5	120.0	<0.002	0.14	12.55	10.2	<1	1.8	168.5	0.71	<0.05	12.7	0.253	1.76	5.1
R610705		85.0	152.0	<0.002	0.74	14.80	9.9	1	1.7	83.3	0.52	<0.05	12.3	0.185	2.58	8.3
R610706		17.0	103.0	<0.002	0.26	30.1	10.3	1	1.5	159.0	0.59	<0.05	11.6	0.231	2.18	4.5
R610707		17.9	96.5	<0.002	0.01	2.37	10.0	<1	1.6	375	0.70	<0.05	11.6	0.259	1.13	4.1
R610708		103.0	137.0	0.003	0.61	8.82	10.9	<1	2.3	83.8	0.66	<0.05	11.6	0.256	3.37	6.8
R610709		490	131.5	0.003	2.67	27.7	8.8	1	5.5	108.5	0.50	0.30	10.2	0.199	2.63	5.3
R610710		2300	82.0	0.002	4.75	75.1	5.7	<1	11.0	228	0.28	<0.05	3.8	0.099	1.65	3.5
R610711		23.9	93.4	<0.002	0.28	15.10	10.2	1	2.0	104.0	0.73	<0.05	11.4	0.248	2.57	8.0
R610712		1995	96.6	0.002	6.68	136.0	6.0	<1	3.8	138.5	0.29	<0.05	3.7	0.109	1.97	4.2
R610713		8.1	1.7	<0.002	0.02	0.41	0.2	<1	<0.2	55.3	<0.05	<0.05	<0.2	<0.005	0.02	0.6
R610714		695	171.0	0.009	2.55	13.75	9.5	1	3.9	56.9	0.58	0.12	13.1	0.197	3.30	7.1
R610715		57.3	120.5	0.002	0.24	7.58	9.8	<1	2.0	136.5	0.74	<0.05	12.2	0.254	2.89	5.9
R610716		17.6	139.0	<0.002	0.05	4.25	11.2	1	1.9	305	0.71	<0.05	13.8	0.265	1.81	4.9
R610717		16.1	94.6	<0.002	0.03	7.76	9.7	1	2.2	293	0.68	<0.05	11.0	0.258	1.54	4.0
R610718		700	177.5	<0.002	1.15	19.60	9.2	<1	4.6	105.0	0.55	<0.05	12.2	0.205	2.98	5.7
R610719		196.5	152.0	<0.002	0.80	8.90	10.1	<1	3.5	107.5	0.65	0.05	12.2	0.226	3.42	5.2
R610720		178.0	150.5	<0.002	0.77	8.82	9.8	<1	3.4	104.5	0.63	0.06	11.6	0.219	3.21	5.0
R610721		1840	205	<0.002	3.37	36.9	9.2	<1	8.0	167.0	0.44	0.08	8.2	0.162	3.10	2.7
R610722		1355	167.0	<0.002	4.79	64.5	9.7	2	8.0	100.5	0.56	0.99	12.2	0.210	2.83	5.8
R610723		1360	230	<0.002	4.43	15.05	10.2	<1	6.1	35.5	0.54	0.07	13.5	0.203	3.78	4.9
R610724		522	177.5	<0.002	2.18	10.70	8.4	1	8.0	123.0	0.52	0.11	11.6	0.199	2.96	5.7
R610725		79.4	113.5	<0.002	0.28	5.55	9.7	1	3.4	202	0.65	<0.05	12.2	0.230	2.57	5.8
R610726		31.2	101.0	<0.002	0.24	4.94	9.9	1	3.4	214	0.67	<0.05	11.9	0.230	2.40	5.4
R610727		81.0	165.0	<0.002	0.96	26.0	7.7	1	6.2	142.0	0.51	0.05	12.6	0.188	2.56	6.2
R610728		28.0	118.0	<0.002	0.28	5.30	9.7	1	3.7	122.5	0.60	<0.05	11.4	0.219	2.90	5.1
R610729		17.7	78.9	<0.002	0.05	2.86	10.6	<1	2.4	331	0.74	<0.05	11.7	0.257	1.25	4.1
R610730		27.6	100.5	<0.002	0.08	8.79	9.9	1	1.8	221	0.70	<0.05	11.5	0.238	1.74	4.8
R610731		662	187.5	<0.002	0.83	8.76	10.9	1	2.4	85.0	0.63	<0.05	14.0	0.225	3.25	5.7
R610732		742	160.5	<0.002	3.81	97.2	8.4	<1	6.8	136.5	0.46	0.07	10.7	0.168	2.81	4.0
R610733		3.7	1.8	<0.002	0.01	0.23	0.2	<1	<0.2	52.4	<0.05	<0.05	<0.2	<0.005	<0.02	0.6
R610734		2080	187.5	<0.002	1.38	14.35	8.9	<1	10.6	39.6	0.53	<0.05	12.3	0.185	3.03	3.7
R610735		134.5	121.0	<0.002	0.46	26.7	10.8	1	3.9	156.5	0.81	<0.05	13.8	0.239	2.45	4.9
R610736		225	141.5	<0.002	0.91	22.4	10.3	<1	3.9	106.5	0.67	0.06	12.8	0.225	3.00	6.4

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

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www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 31-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15105477

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	V	W	Y	Zn	Zr
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	1	0.1	0.1	2	0.5
R610701		60	3.9	9.9	1320	25.2
R610702		70	1.4	13.4	133	29.8
R610703		70	1.7	14.7	65	31.8
R610704		71	2.8	14.3	123	33.5
R610705		73	2.7	16.2	476	26.3
R610706		70	2.5	15.0	91	27.5
R610707		71	1.2	14.7	41	34.3
R610708		74	3.9	14.7	450	29.7
R610709		66	5.3	10.9	855	29.0
R610710		31	3.1	9.2	9330	13.1
R610711		72	2.7	14.0	55	34.3
R610712		37	4.1	9.9	3510	14.1
R610713		2	0.1	0.8	34	<0.5
R610714		70	4.9	12.9	1550	27.9
R610715		71	3.0	15.2	420	35.8
R610716		74	2.4	16.9	46	34.0
R610717		70	1.5	14.5	42	31.4
R610718		65	2.2	14.0	2680	23.9
R610719		67	3.1	13.0	167	29.2
R610720		66	3.0	12.8	166	28.6
R610721		56	3.6	8.1	2670	17.6
R610722		65	6.4	11.9	2440	29.6
R610723		67	6.4	10.5	3030	25.5
R610724		53	6.3	9.4	3170	21.3
R610725		67	2.6	14.1	135	29.5
R610726		67	3.5	14.5	78	30.5
R610727		51	4.2	14.4	154	20.3
R610728		63	1.9	13.5	90	25.9
R610729		76	1.3	15.8	50	32.8
R610730		70	1.7	15.0	87	35.7
R610731		66	4.3	15.4	1260	32.3
R610732		52	6.4	9.8	4120	24.4
R610733		3	0.1	0.8	26	<0.5
R610734		57	6.1	9.0	4500	19.5
R610735		71	7.2	15.2	481	35.6
R610736		75	4.9	13.6	1370	27.4

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: KLAZA

Finalized Date: 31-JUL-2015
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH15105477

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	ME-MS61

ALS Canada Ltd.

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C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 4-AUG-2015
Account: ROCKHA

CERTIFICATE WH15105482

Project: KLAZA

P.O. No.: BATCH 59

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 19-JUL-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21d	Sample logging - ClientBarCode Dup
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
BAG-06	Double Bagging Coarse Rejects
SPL-21d	Split sample - duplicate
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31d	Pulverize Split - duplicate

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Pb-OG62	Ore Grade Pb - Four Acid	VARIABLE
Zn-OG62	Ore Grade Zn - Four Acid	VARIABLE
As-OG62	Ore Grade As - Four Acid	VARIABLE
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	
Ag-OG62	Ore Grade Ag - Four Acid	VARIABLE
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
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VANCOUVER BC V6B 1L8

Finalized Date: 4-AUG-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15105482

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
R610299		2.10	0.009	1.84	7.28	332	1220	1.31	0.12	2.70	13.95	52.6	7.7	12	19.90	8.7
R610300		2.82	<0.005	1.72	6.93	67.9	1900	1.30	0.05	2.52	11.05	41.1	8.2	10	20.8	9.5
R610301		6.16	0.006	2.75	7.28	28.2	1980	1.44	0.10	2.85	0.23	41.2	8.7	19	12.75	13.6
R610302		<0.02	0.005	2.37	7.67	30.3	1970	1.47	0.08	2.77	0.25	40.7	8.4	10	11.85	11.5
R610303		2.75	0.007	0.37	7.23	37.0	1850	1.30	0.09	2.33	0.59	46.2	9.0	11	18.15	19.5
R610304		1.91	0.006	0.38	7.02	35.3	980	1.26	0.12	3.36	0.74	52.8	7.6	9	20.9	11.1
R610305		3.31	0.005	0.44	7.34	55.7	1620	1.42	0.07	2.48	1.60	42.8	8.9	10	21.3	19.0
R610306		2.22	<0.005	0.26	7.91	4.2	1960	1.27	0.07	2.06	0.21	46.1	7.7	11	12.00	19.9
R610307		0.29	0.356	4.30	6.97	730	400	1.36	3.58	1.97	11.35	51.4	12.6	24	13.40	320
R610308		1.10	0.022	1.74	7.48	166.0	1370	1.40	0.39	2.14	5.71	43.7	16.9	11	16.05	29.0
R610309		0.86	4.25	19.30	3.98	>10000	90	0.83	2.78	5.63	189.5	30.1	9.5	6	6.13	124.5
R610310		2.17	<0.005	0.41	7.72	30.7	2550	1.63	0.10	2.47	0.73	47.4	8.2	11	18.40	8.5
R610311		3.98	0.015	0.46	7.17	85.8	1420	1.53	0.18	3.18	1.48	44.8	7.5	12	14.70	10.4
R610312		1.52	0.006	0.35	7.18	42.0	1440	1.46	0.17	3.03	0.83	52.1	7.3	16	13.55	7.4
R610313		5.41	<0.005	0.14	7.53	5.6	2200	1.47	0.07	2.76	0.10	46.2	9.1	22	11.20	7.9
R610314		2.37	<0.005	0.13	7.68	4.9	2090	1.12	0.07	2.65	0.10	57.1	7.4	14	13.15	12.8
R610315		7.73	<0.005	0.06	7.75	3.2	2070	1.53	0.06	2.55	0.09	51.5	9.2	12	16.20	6.9
R610316		1.13	1.070	1.57	7.89	169.0	1550	1.31	2.05	0.96	4.01	56.7	8.2	14	12.05	88.1
R610317		2.94	<0.005	0.12	8.09	5.3	1750	1.49	0.10	1.42	0.13	40.6	8.9	11	12.75	21.2
R610318		2.30	<0.005	0.34	7.56	26.8	960	1.96	0.07	2.25	1.50	44.2	7.4	11	21.1	8.1
R610319		3.91	0.062	1.55	7.69	465	1080	1.66	0.14	2.34	3.93	47.7	8.0	14	18.70	53.1
R610320		0.29	0.901	11.85	6.97	1630	310	1.43	13.60	1.84	35.4	49.4	18.6	20	13.95	296
R610321		1.00	0.028	0.77	7.42	94.9	880	2.29	0.21	2.80	0.90	45.5	14.2	15	17.35	59.3
R610322		1.18	0.015	0.59	7.12	147.5	1180	1.50	0.13	2.23	2.00	32.5	6.9	10	18.90	12.3
R610323		4.21	<0.005	0.38	7.27	39.0	2090	2.23	0.19	3.14	0.46	61.6	7.9	18	32.4	10.1
R610324		4.48	<0.005	0.17	7.11	40.4	1120	1.87	0.21	3.14	0.32	70.1	5.4	16	36.5	4.6
R610325		0.65	0.860	>100	5.82	2460	180	1.14	1.07	3.08	143.0	34.7	8.2	7	13.65	166.5
R610326		4.98	<0.005	0.09	0.11	1.7	40	<0.05	0.02	18.45	0.22	1.27	0.7	1	0.42	1.7
R610327		1.17	0.072	5.71	6.71	291	1020	1.05	0.46	1.79	52.8	51.3	3.1	11	7.53	58.7
R610328		0.80	0.414	8.16	6.74	692	100	1.09	1.86	0.63	60.8	45.6	8.7	9	12.15	149.5
R610329		1.16	0.037	2.63	7.26	185.0	530	1.40	0.32	1.39	5.97	46.3	9.6	9	16.65	52.0
R610330		1.23	0.101	2.05	6.67	438	420	1.23	1.01	0.46	13.50	47.7	46.6	10	12.85	19.2
R610331		4.88	<0.005	0.02	0.10	0.5	20	0.06	0.02	19.80	0.09	1.43	0.7	<1	0.45	2.7
R610332		0.83	4.48	28.7	3.37	367	180	0.49	126.5	0.22	4.23	23.1	163.0	12	2.30	313
R610333		1.37	0.041	1.10	7.48	142.0	820	1.24	1.24	1.41	14.80	50.9	8.2	11	12.60	28.1
R610334		2.07	0.007	0.32	7.32	20.9	1280	1.45	0.65	1.81	0.22	48.7	4.4	15	19.25	20.7

***** See Appendix Page for comments regarding this certificate *****

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Finalized Date: 4-AUG-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15105482

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
R610299		3.23	15.80	0.15	1.4	0.078	2.81	27.7	51.9	0.99	2540	1.17	0.06	7.7	2.4	640
R610300		3.35	15.85	0.12	1.2	0.107	2.64	18.7	30.5	0.69	1610	0.79	0.83	7.8	2.5	660
R610301		3.26	16.60	0.15	1.2	0.049	2.69	19.3	18.4	0.78	1240	1.32	1.72	8.2	2.6	650
R610302		3.15	16.55	0.14	1.2	0.046	2.68	19.6	17.9	0.79	1200	0.74	1.81	8.0	2.6	660
R610303		3.23	17.35	0.16	1.3	0.091	3.07	21.3	31.8	0.69	2040	0.74	0.49	8.6	2.5	720
R610304		2.93	15.40	0.16	1.1	0.083	2.87	27.9	56.5	1.06	2570	0.61	0.06	7.2	2.3	600
R610305		3.53	16.45	0.14	1.3	0.101	2.99	20.5	52.7	0.74	2060	0.66	0.19	7.9	2.6	650
R610306		3.07	17.20	0.17	1.3	0.050	2.75	22.3	27.7	0.68	865	1.02	0.73	8.6	2.4	700
R610307		5.21	15.80	0.15	1.1	0.312	3.02	28.2	27.2	0.79	1980	13.95	0.16	6.5	15.0	540
R610308		3.30	17.65	0.15	1.4	0.103	2.78	20.4	57.3	0.67	2970	0.99	0.07	8.8	5.4	720
R610309		8.72	9.01	0.10	0.6	1.015	1.81	14.7	12.9	1.68	8000	1.84	0.03	4.1	2.2	330
R610310		3.40	16.85	0.13	1.3	0.048	2.58	23.2	37.2	0.80	867	0.66	1.64	8.3	2.6	680
R610311		3.34	16.65	0.12	1.2	0.095	3.47	21.3	19.9	0.84	2550	0.95	0.54	7.9	2.5	640
R610312		3.27	16.05	0.17	1.2	0.081	3.24	26.0	21.2	0.82	2530	1.21	0.68	7.8	2.4	650
R610313		3.36	17.20	0.13	1.3	0.049	2.69	21.5	14.6	0.90	852	2.19	2.03	8.5	2.9	690
R610314		2.90	17.10	0.17	1.3	0.042	2.69	28.9	26.8	0.82	913	1.08	0.86	8.2	2.3	680
R610315		3.40	17.05	0.17	1.4	0.039	2.57	25.2	25.2	0.97	741	1.45	1.46	8.3	2.9	700
R610316		3.64	17.70	0.15	1.2	0.211	3.55	29.7	42.1	0.59	1120	1.27	0.07	7.9	2.7	670
R610317		3.34	19.00	0.15	1.3	0.060	2.89	18.8	46.1	0.63	838	1.41	0.10	8.7	2.4	710
R610318		3.05	17.20	0.15	1.3	0.052	2.61	21.1	256	0.71	1840	1.13	0.07	8.3	2.4	750
R610319		3.40	17.30	0.15	1.4	0.112	3.27	23.0	125.5	0.81	3360	1.24	0.08	8.3	2.6	690
R610320		6.91	16.05	0.15	1.1	0.826	3.02	24.9	21.2	0.80	1940	9.64	0.13	7.0	13.1	580
R610321		3.85	17.20	0.14	1.4	0.119	3.27	21.8	275	0.97	3040	1.95	0.07	8.3	2.8	690
R610322		3.04	17.35	0.14	1.5	0.081	3.23	14.1	100.5	0.52	2740	1.20	0.09	8.2	2.2	670
R610323		2.44	19.15	0.19	3.3	0.037	2.97	28.9	39.0	1.08	873	2.26	0.08	11.6	5.3	1080
R610324		2.61	17.60	0.16	2.7	0.032	2.42	35.7	185.5	1.16	938	1.05	0.07	11.1	4.3	1000
R610325		4.90	12.75	0.11	1.0	0.465	2.48	16.6	15.2	1.08	7030	2.20	0.02	5.9	2.8	490
R610326		0.48	0.28	0.14	<0.1	0.005	0.04	0.6	1.6	11.95	241	0.06	0.01	0.2	1.5	170
R610327		4.77	14.05	0.13	1.0	0.584	3.27	26.8	5.6	0.83	6180	1.20	0.03	7.4	2.2	580
R610328		6.94	15.70	0.13	0.9	1.035	2.98	22.3	10.4	0.40	1500	0.80	0.02	6.5	2.9	540
R610329		4.22	16.50	0.11	1.1	0.177	3.13	23.1	14.1	0.62	4020	0.67	0.04	7.6	2.6	630
R610330		7.24	14.90	0.12	1.0	0.279	2.86	25.5	16.5	0.63	5010	2.03	0.03	6.5	3.0	550
R610331		0.49	0.31	0.12	<0.1	<0.005	0.04	0.7	1.2	12.95	239	0.95	<0.01	0.2	1.7	190
R610332		7.86	8.33	0.08	0.8	0.245	1.61	12.8	7.9	0.20	199	3.22	0.02	2.7	3.3	120
R610333		4.84	15.80	0.12	1.0	0.253	3.59	28.0	15.0	0.76	3850	0.88	0.05	7.7	2.6	590
R610334		2.78	14.35	0.15	1.3	0.136	3.46	26.8	13.8	0.78	1380	2.80	0.06	7.1	2.3	490

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 4-AUG-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15105482

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
R610299		465	135.0	<0.002	0.29	21.5	11.6	<1	2.0	170.0	0.61	<0.05	13.6	0.266	2.20	4.9
R610300		453	97.4	<0.002	0.10	9.85	11.4	1	1.9	343	0.64	<0.05	11.2	0.276	1.43	3.8
R610301		71.9	105.0	<0.002	0.13	9.57	11.8	<1	1.7	390	0.65	<0.05	11.6	0.284	1.33	3.7
R610302		68.0	112.0	<0.002	0.11	9.15	11.5	1	1.5	390	0.65	<0.05	11.9	0.283	1.30	3.7
R610303		31.9	121.0	<0.002	0.20	9.76	12.8	1	2.4	225	0.70	<0.05	12.0	0.298	1.91	3.6
R610304		37.0	167.0	<0.002	0.33	12.45	10.8	1	1.7	190.5	0.58	<0.05	14.2	0.245	2.45	3.8
R610305		26.9	129.5	<0.002	0.26	10.65	11.6	1	2.0	220	0.66	<0.05	11.6	0.275	2.05	4.0
R610306		28.1	103.5	<0.002	0.04	7.16	12.5	1	1.8	221	0.72	<0.05	12.9	0.295	1.36	3.9
R610307		499	160.0	0.006	2.76	27.9	9.6	1	5.8	111.0	0.53	0.30	12.3	0.212	2.68	5.4
R610308		265	106.0	<0.002	0.92	24.0	12.5	1	2.8	154.5	0.70	<0.05	12.3	0.297	2.08	5.3
R610309		2350	100.0	<0.002	4.64	168.5	6.3	1	4.4	175.0	0.31	<0.05	6.7	0.139	1.66	8.0
R610310		37.9	101.0	<0.002	0.05	4.50	12.3	1	1.9	371	0.66	<0.05	13.2	0.286	1.43	4.2
R610311		87.1	162.5	<0.002	0.37	6.14	11.3	1	2.2	182.5	0.63	<0.05	11.3	0.274	2.43	4.2
R610312		73.4	168.5	<0.002	0.26	5.72	12.1	1	1.9	192.0	0.62	<0.05	14.1	0.273	2.22	4.2
R610313		18.4	97.5	<0.002	0.02	2.14	12.4	1	1.8	425	0.69	<0.05	12.7	0.295	1.22	5.1
R610314		16.7	106.0	<0.002	0.02	7.35	12.5	1	2.0	356	0.68	<0.05	13.4	0.290	1.32	3.8
R610315		15.6	97.0	<0.002	0.01	3.11	12.6	1	1.8	476	0.68	<0.05	13.4	0.290	1.08	4.5
R610316		193.5	188.0	<0.002	1.25	23.3	13.1	<1	5.0	87.8	0.65	<0.05	14.4	0.276	2.37	3.3
R610317		16.9	108.0	<0.002	0.04	11.65	13.1	1	2.3	148.0	0.69	<0.05	12.3	0.301	1.55	5.1
R610318		86.1	88.5	<0.002	0.15	16.70	12.0	<1	2.2	260	0.66	<0.05	11.9	0.297	1.74	3.5
R610319		209	138.5	<0.002	0.72	23.3	12.1	1	2.5	168.0	0.68	<0.05	14.5	0.289	2.57	4.6
R610320		1370	170.0	<0.002	4.85	65.8	10.0	2	8.4	101.5	0.58	1.30	12.0	0.219	2.79	5.5
R610321		32.9	137.0	<0.002	0.44	27.8	12.2	1	2.4	219	0.67	<0.05	12.2	0.279	2.52	5.2
R610322		139.5	115.0	<0.002	0.74	15.55	11.2	1	2.4	151.0	0.68	<0.05	10.9	0.285	2.24	3.6
R610323		31.8	120.5	<0.002	0.18	20.7	7.1	<1	1.6	336	0.78	<0.05	9.6	0.300	3.73	5.0
R610324		19.3	102.5	<0.002	0.08	16.50	6.3	1	1.5	397	0.75	<0.05	10.3	0.271	2.53	8.7
R610325		>10000	139.5	<0.002	3.06	60.1	8.2	1	6.1	180.5	0.49	0.09	8.9	0.207	2.35	4.8
R610326		16.0	1.9	<0.002	0.01	0.12	0.2	<1	<0.2	46.4	<0.05	<0.05	0.3	0.005	0.03	0.5
R610327		1340	192.5	<0.002	1.31	9.85	10.5	<1	3.5	49.9	0.60	<0.05	12.8	0.248	2.73	4.3
R610328		1185	151.5	<0.002	6.95	27.0	10.1	1	7.5	90.1	0.54	0.06	10.2	0.228	2.75	5.3
R610329		409	154.5	<0.002	1.75	22.3	11.4	1	3.6	155.0	0.59	0.05	12.2	0.260	3.14	5.7
R610330		593	167.5	0.002	3.36	13.60	10.1	1	4.0	51.8	0.53	0.44	11.5	0.233	2.55	5.4
R610331		3.0	2.5	<0.002	<0.01	0.09	0.2	1	<0.2	49.7	<0.05	<0.05	<0.2	<0.005	0.03	0.8
R610332		397	94.0	0.002	8.24	44.4	3.0	1	4.8	8.7	0.51	2.02	9.8	0.060	1.07	4.2
R610333		363	200	<0.002	1.48	7.27	10.8	1	4.5	72.1	0.66	<0.05	13.7	0.255	2.85	6.4
R610334		16.9	187.0	<0.002	0.20	12.50	8.7	1	1.4	122.5	0.83	<0.05	17.6	0.214	2.84	6.7

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 4-AUG-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15105482

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Ag-OG62	Pb-OG62	Zn-OG62	As-OG62
	Analyte	V	W	Y	Zn	Zr	Ag	Pb	Zn	As
	Units	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%
	LOR	1	0.1	0.1	2	0.5	1	0.001	0.001	0.001
R610299		78	4.0	17.9	944	37.5				
R610300		82	1.8	14.6	803	33.0				
R610301		84	1.1	16.4	75	33.1				
R610302		83	1.1	15.7	79	32.2				
R610303		91	3.6	15.7	126	33.6				
R610304		70	2.7	17.8	131	29.4				
R610305		83	3.5	15.7	284	32.8				
R610306		88	6.6	16.5	71	35.3				
R610307		68	6.1	13.1	893	32.7				
R610308		84	13.6	18.1	535	38.0				
R610309		46	4.1	13.6	>10000	15.7			1.385	1.520
R610310		85	8.1	16.5	119	35.1				
R610311		83	3.6	15.3	171	33.8				
R610312		79	3.0	16.4	115	33.7				
R610313		87	5.2	17.3	65	36.0				
R610314		86	4.5	20.0	56	34.5				
R610315		88	3.2	18.8	60	35.6				
R610316		86	5.2	15.6	441	33.5				
R610317		90	5.1	15.1	66	35.6				
R610318		88	6.4	14.6	186	35.8				
R610319		85	6.1	16.4	424	36.9				
R610320		67	6.8	13.2	2500	32.3				
R610321		84	6.8	16.9	145	37.6				
R610322		87	3.4	11.8	218	38.6				
R610323		63	2.4	14.6	84	127.0				
R610324		56	2.4	15.1	100	100.5				
R610325		58	5.2	9.4	9780	28.5	92	1.395		
R610326		3	0.1	0.8	42	0.7				
R610327		65	4.5	11.3	4790	25.8				
R610328		69	7.0	9.2	6070	24.3				
R610329		79	6.9	13.1	589	28.0				
R610330		73	7.9	8.9	1040	25.1				
R610331		3	0.1	0.8	23	0.5				
R610332		25	2.9	3.4	260	15.4				
R610333		73	5.4	13.8	1340	26.3				
R610334		61	3.5	14.7	55	28.8				

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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: KLAZA

Finalized Date: 4-AUG-2015
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH15105482

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Ag-OG62	As-OG62	Au-AA24	ME-MS61
ME-OG62	Pb-OG62	Zn-OG62	

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 2-AUG-2015
Account: ROCKHA

CERTIFICATE WH15105487

Project: KLAZA

P.O. No.: BATCH 60

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 19-JUL-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21d	Sample logging - ClientBarCode Dup
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
BAG-06	Double Bagging Coarse Rejects
SPL-21d	Split sample - duplicate
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31d	Pulverize Split - duplicate

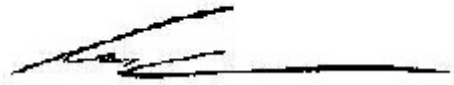
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Zn-OG62	Ore Grade Zn - Four Acid	VARIABLE
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.

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Finalized Date: 2-AUG-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15105487

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
R610335		4.17	0.035	0.50	6.79	82.0	1150	1.65	0.28	2.17	3.00	39.7	8.4	15	14.25	9.7
R610336		2.80	0.034	0.63	7.10	28.8	960	1.58	0.20	1.79	4.07	38.0	11.6	14	14.80	12.3
R610337		1.40	0.012	0.58	7.32	19.9	1100	1.52	0.12	1.83	2.90	43.2	10.2	11	15.20	10.7
R610338		1.07	0.218	7.40	6.05	670	1050	1.16	2.49	3.49	25.8	42.3	10.0	13	6.76	103.0
R610339		2.11	0.026	1.83	6.97	94.7	1040	1.63	0.55	2.13	9.99	42.0	6.7	15	13.70	30.1
R610340		1.24	5.69	2.40	6.95	93.5	1030	1.42	2.64	2.17	1.03	44.3	12.5	12	18.00	11.2
R610341		4.04	0.015	0.50	7.28	174.0	1470	1.48	0.14	2.30	7.51	45.1	8.3	12	14.30	13.1
R610342		9.67	0.017	0.17	6.55	38.7	2760	1.56	0.12	3.63	0.41	44.6	9.2	14	15.30	3.3
R610343		<0.02	0.014	0.14	6.62	37.1	2580	1.45	0.10	3.50	0.36	45.2	8.6	13	14.85	3.1
R610344		8.92	0.020	1.09	6.90	86.7	560	1.51	0.17	2.39	1.58	40.1	9.1	15	15.35	27.1
R610345		0.30	0.340	4.67	6.57	703	570	1.43	3.14	2.05	10.40	45.4	12.1	24	12.95	302
R610346		7.41	0.022	1.59	6.22	148.5	1400	1.36	0.20	4.51	2.13	45.1	6.6	11	16.60	13.2
R610347		1.84	<0.005	0.32	6.95	25.3	570	1.34	0.08	2.93	0.98	48.5	7.6	11	22.1	7.6
R610348		3.03	0.011	0.65	5.65	99.1	410	1.39	0.16	2.60	2.19	40.6	7.7	18	15.20	12.6
R610349		2.41	0.015	0.67	4.35	128.0	1660	1.35	0.06	4.02	2.76	31.5	6.1	11	14.20	5.6
R610350		3.76	<0.005	0.11	7.78	11.3	1610	1.36	0.06	1.83	0.17	41.4	7.2	14	17.70	9.4
R610351		1.23	0.009	0.32	7.20	45.3	1030	1.40	0.32	2.00	0.62	46.2	8.1	12	11.60	8.6
R610352		4.51	<0.005	0.08	7.47	3.4	2290	1.53	0.09	2.87	0.09	43.9	8.2	16	9.24	6.4
R610353		1.22	0.071	5.97	6.52	287	1090	1.42	0.18	4.34	104.0	48.8	8.8	10	16.60	152.0
R610354		1.56	0.022	1.65	7.21	288	1120	1.68	0.09	3.20	2.42	44.9	7.7	12	18.60	19.8
R610355		1.25	0.350	22.1	5.40	1230	740	1.27	0.65	4.51	24.0	46.2	8.9	11	14.60	272
R610356		4.54	<0.005	0.04	0.10	<0.2	40	0.06	0.02	21.0	0.10	1.40	1.6	1	0.30	2.3
R610357		3.70	<0.005	0.16	6.94	18.8	2200	1.44	0.11	2.79	0.24	37.9	8.1	14	17.85	4.2
R610358		7.21	<0.005	0.08	6.99	9.2	2220	1.46	0.09	2.67	0.12	39.1	7.5	14	15.25	3.6
R610359		0.29	0.873	11.90	6.78	1485	1200	1.47	11.65	1.92	33.4	46.9	18.0	18	13.95	280
R610360		6.59	<0.005	0.08	7.47	14.9	1680	1.68	0.10	2.68	0.12	47.0	7.9	14	26.6	4.5
R610361		2.02	<0.005	0.12	7.35	24.1	880	1.44	0.14	3.63	0.16	46.8	9.0	12	14.55	4.6
R610362		7.84	<0.005	0.08	7.78	12.2	1430	1.43	0.16	1.58	0.16	41.3	7.1	13	25.6	5.3
R610363		4.31	0.026	3.91	5.68	52.6	1490	0.96	5.28	2.92	5.26	38.8	15.7	15	9.98	58.2
R610364		1.49	0.097	2.83	7.01	267	1310	1.37	0.17	4.81	15.90	42.6	8.9	10	19.00	62.2
R610365		4.66	<0.005	0.02	0.07	0.2	30	0.09	0.03	21.0	0.11	1.38	0.9	1	0.18	1.3
R610366		1.50	<0.005	0.08	7.65	7.8	1980	1.43	0.13	2.87	0.26	39.5	6.9	16	27.4	5.6
R610367		1.22	0.100	2.58	6.71	1125	1190	1.47	0.22	3.63	2.52	44.5	9.2	11	18.05	39.4
R610368		1.94	0.039	1.62	6.55	138.5	3640	1.26	0.48	6.25	2.09	47.3	8.0	9	16.45	24.1
R610369		12.54	<0.005	0.15	7.33	14.7	2180	1.60	0.10	2.65	0.25	41.5	8.5	12	16.05	14.4
R610370		1.86	0.039	2.42	6.43	72.8	980	1.25	0.96	5.67	2.34	49.2	7.6	10	12.55	174.5

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 2-AUG-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15105487

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
R610335		3.41	14.90	0.14	1.0	0.098	3.22	18.9	30.5	0.80	3160	1.06	0.04	7.7	2.7	550
R610336		3.56	16.45	0.13	1.0	0.075	3.08	17.6	36.2	0.70	4430	1.42	0.06	7.7	3.2	660
R610337		3.59	16.55	0.13	1.0	0.072	2.85	20.7	48.5	0.70	4170	1.23	0.06	7.7	2.7	670
R610338		4.81	14.05	0.14	0.8	0.214	2.80	22.6	5.2	0.88	18750	1.38	0.02	6.2	2.5	480
R610339		3.44	16.00	0.15	1.0	0.080	3.17	20.2	39.7	0.74	3070	1.32	0.28	7.5	2.8	600
R610340		4.81	16.45	0.15	1.1	0.126	3.55	22.3	13.1	0.59	16300	13.50	0.14	7.1	2.8	540
R610341		3.55	16.05	0.14	1.0	0.112	3.46	21.9	17.0	0.68	3620	3.90	0.53	7.9	3.2	610
R610342		3.31	14.40	0.14	1.1	0.059	2.80	22.0	29.6	0.92	2150	3.64	0.24	7.7	2.9	560
R610343		3.27	14.05	0.15	1.1	0.056	2.84	22.4	28.3	0.94	2030	3.18	0.26	7.4	2.7	560
R610344		3.74	15.80	0.14	1.1	0.103	3.04	19.1	32.2	0.79	3980	2.21	0.03	7.7	2.9	560
R610345		4.94	15.30	0.12	1.1	0.285	2.97	23.5	25.8	0.77	1880	14.90	0.15	6.2	14.2	510
R610346		3.29	13.00	0.15	1.2	0.074	2.38	24.0	129.0	1.39	3670	1.64	0.03	6.1	2.3	430
R610347		3.00	16.00	0.11	1.0	0.034	2.37	24.4	201	0.83	1910	12.90	0.04	7.8	2.8	610
R610348		3.27	12.65	0.12	1.0	0.085	2.28	20.6	71.7	0.97	3220	2.61	0.02	6.7	4.6	520
R610349		2.52	9.28	0.10	0.7	0.038	1.57	16.8	66.3	1.35	4050	1.81	0.02	4.3	2.2	310
R610350		2.94	17.65	0.11	1.2	0.037	2.25	19.4	65.4	0.65	1300	1.84	0.06	8.4	2.4	680
R610351		3.60	14.95	0.15	1.0	0.059	2.71	23.1	27.0	0.82	2150	2.26	0.06	7.0	2.5	560
R610352		3.14	16.45	0.16	1.0	0.038	2.65	20.5	13.5	0.89	728	1.94	2.15	7.8	2.8	610
R610353		4.13	14.05	0.14	0.9	0.553	3.21	25.5	18.6	1.18	10850	1.12	0.20	6.3	2.8	510
R610354		2.78	15.00	0.16	1.1	0.048	2.70	22.6	308	1.04	3670	1.77	0.03	7.4	2.7	580
R610355		5.44	12.10	0.13	0.9	0.206	2.36	23.4	50.1	1.26	18900	1.42	0.03	5.5	2.5	370
R610356		0.53	0.34	0.11	0.1	<0.005	0.03	0.7	2.4	13.15	252	0.08	0.01	0.2	1.9	150
R610357		2.91	15.60	0.14	1.1	0.036	3.01	17.3	17.0	0.71	1080	1.58	1.73	7.7	2.9	560
R610358		2.85	16.00	0.14	1.1	0.034	2.85	18.2	9.8	0.74	706	1.92	2.04	8.1	2.5	550
R610359		6.67	15.65	0.15	1.1	0.788	2.98	23.5	19.8	0.80	1880	9.02	0.13	6.7	12.4	530
R610360		2.91	16.65	0.16	1.3	0.038	2.80	22.5	33.4	0.72	821	2.27	1.26	8.4	2.8	610
R610361		2.62	15.45	0.15	1.2	0.039	1.70	24.3	97.6	1.24	934	1.30	0.09	7.4	2.8	550
R610362		2.95	17.60	0.11	1.4	0.048	2.62	18.8	58.1	0.59	878	1.19	0.08	9.3	2.6	670
R610363		3.11	11.30	0.13	0.8	0.149	2.39	20.4	16.4	0.81	2910	1.61	0.19	6.2	2.3	460
R610364		4.52	14.80	0.14	0.9	0.188	3.50	21.4	13.9	1.42	6480	2.98	0.28	6.9	2.7	600
R610365		0.49	0.28	0.14	<0.1	0.005	0.03	0.6	1.1	13.15	237	0.07	0.01	0.2	1.6	200
R610366		3.15	17.00	0.18	1.0	0.036	2.74	18.3	40.4	0.73	886	1.43	1.47	8.0	2.5	680
R610367		4.04	14.80	0.13	0.9	0.135	3.26	22.6	15.3	1.18	6180	7.17	0.27	6.8	2.6	560
R610368		3.58	13.90	0.13	0.8	0.112	2.73	25.4	41.2	1.07	3400	1.01	0.04	6.5	2.8	520
R610369		3.39	15.95	0.14	1.0	0.042	2.72	19.6	18.2	0.84	733	1.06	1.55	7.9	2.8	620
R610370		3.48	14.50	0.16	0.9	0.210	3.33	26.5	25.0	0.86	4610	0.92	0.04	6.5	2.3	520

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 2-AUG-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15105487

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
R610335		113.0	142.5	<0.002	0.52	10.75	9.8	1	1.9	113.5	0.73	<0.05	11.2	0.251	2.73	5.0
R610336		215	124.5	<0.002	0.65	13.80	12.2	<1	2.8	113.5	0.63	<0.05	9.7	0.300	2.31	4.1
R610337		198.0	123.0	<0.002	0.59	15.05	12.8	1	2.6	119.0	0.65	<0.05	10.8	0.304	2.09	3.4
R610338		1050	165.5	<0.002	2.37	24.7	9.4	1	6.8	55.0	0.51	0.09	10.3	0.220	2.29	3.9
R610339		485	138.5	<0.002	0.72	10.70	10.6	<1	3.7	140.5	0.58	<0.05	11.4	0.264	2.29	4.0
R610340		83.4	217	<0.002	1.03	12.15	10.2	1	1.9	199.0	0.60	0.07	12.6	0.235	2.74	6.4
R610341		215	185.5	<0.002	0.45	25.1	10.8	<1	2.4	128.0	0.59	<0.05	10.7	0.271	2.48	5.0
R610342		35.1	142.5	<0.002	0.48	10.00	10.0	<1	1.7	123.5	0.60	<0.05	11.5	0.249	2.46	4.3
R610343		32.6	147.0	<0.002	0.44	9.66	10.2	1	1.6	118.5	0.60	<0.05	11.2	0.244	2.36	4.3
R610344		175.5	164.5	<0.002	0.41	26.3	10.0	1	2.5	82.1	0.66	<0.05	11.5	0.254	2.67	3.8
R610345		481	147.5	0.005	2.71	28.3	8.6	1	5.6	105.0	0.50	0.31	10.6	0.205	2.40	5.0
R610346		290	153.0	<0.002	0.38	29.2	8.4	1	1.6	88.5	0.56	<0.05	12.0	0.195	2.12	5.5
R610347		67.8	94.7	0.002	0.21	28.5	10.1	1	1.7	129.5	0.63	<0.05	11.6	0.265	2.36	8.8
R610348		157.5	151.0	<0.002	0.57	46.5	9.1	<1	2.0	70.2	0.57	<0.05	10.2	0.206	2.25	14.6
R610349		132.0	106.0	<0.002	0.43	46.9	6.2	<1	1.1	103.5	0.36	<0.05	7.9	0.145	1.66	8.9
R610350		15.2	75.9	<0.002	0.10	16.95	11.4	<1	1.9	83.1	0.65	<0.05	11.6	0.300	1.38	2.5
R610351		50.1	123.5	<0.002	0.61	14.85	10.4	<1	2.0	75.9	0.54	<0.05	11.5	0.250	1.83	3.7
R610352		17.6	94.7	<0.002	0.01	1.44	10.6	1	1.5	396	0.59	<0.05	10.2	0.277	1.10	2.3
R610353		632	187.0	<0.002	1.84	48.5	9.2	1	2.2	110.5	0.48	<0.05	10.0	0.227	2.53	5.9
R610354		136.5	152.0	<0.002	0.37	23.5	10.3	<1	1.7	109.5	0.64	<0.05	11.5	0.256	2.69	6.4
R610355		844	155.5	<0.002	3.08	103.0	7.8	1	1.4	88.8	0.53	<0.05	9.2	0.168	2.24	5.8
R610356		2.1	1.8	<0.002	0.02	0.09	0.3	<1	<0.2	49.5	<0.05	<0.05	<0.2	0.005	0.02	0.8
R610357		24.0	111.5	<0.002	0.08	4.06	9.1	<1	1.5	306	0.73	<0.05	9.2	0.257	1.51	4.1
R610358		21.6	103.5	<0.002	0.03	2.33	9.6	<1	1.5	366	0.74	<0.05	9.9	0.249	1.22	3.5
R610359		1340	171.5	<0.002	4.78	64.0	9.3	1	8.3	98.4	0.54	1.16	11.2	0.216	2.56	5.3
R610360		18.8	115.0	<0.002	0.11	5.59	10.7	1	1.8	258	0.68	<0.05	11.4	0.279	1.66	3.5
R610361		21.0	75.2	<0.002	0.23	8.12	10.0	<1	1.8	149.5	0.60	<0.05	12.1	0.237	1.55	8.3
R610362		16.7	97.0	<0.002	0.06	14.05	11.4	1	2.1	102.0	0.85	<0.05	12.3	0.298	1.42	3.6
R610363		138.0	140.0	<0.002	1.07	20.2	7.8	1	1.7	82.9	0.54	0.63	9.9	0.201	1.60	4.0
R610364		280	181.5	<0.002	1.43	28.1	10.0	<1	2.0	153.5	0.52	<0.05	9.8	0.265	2.82	4.7
R610365		1.7	1.6	<0.002	0.01	<0.05	0.2	<1	<0.2	50.2	<0.05	<0.05	<0.2	<0.005	0.02	0.8
R610366		18.6	96.3	<0.002	0.03	6.45	10.3	<1	1.5	319	0.62	<0.05	9.5	0.304	1.47	2.9
R610367		201	176.0	<0.002	1.26	44.5	9.7	1	1.8	123.5	0.51	<0.05	10.2	0.247	2.67	5.7
R610368		123.0	169.0	<0.002	0.90	21.4	9.8	1	2.3	185.0	0.50	<0.05	10.3	0.235	2.48	7.6
R610369		27.4	99.3	<0.002	0.07	4.90	10.7	<1	1.8	334	0.59	<0.05	9.8	0.279	1.27	3.3
R610370		173.0	202	<0.002	0.97	19.30	9.7	1	2.8	150.5	0.51	<0.05	10.6	0.227	2.89	3.4

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 2-AUG-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15105487

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Zn-OG62
	Analyte	V	W	Y	Zn	Zr	Zn
	Units	ppm	ppm	ppm	ppm	ppm	%
	LOR	1	0.1	0.1	2	0.5	0.001
R610335		71	3.4	13.1	345	26.5	
R610336		93	6.4	13.3	520	25.9	
R610337		94	7.6	14.7	387	27.2	
R610338		63	5.2	12.9	2790	21.4	
R610339		76	2.7	13.6	1080	27.6	
R610340		67	4.5	16.1	134	29.0	
R610341		76	4.3	13.7	689	29.3	
R610342		68	2.5	13.5	91	30.9	
R610343		69	2.4	13.2	88	30.8	
R610344		70	3.2	12.9	264	31.9	
R610345		65	5.5	11.1	857	30.2	
R610346		59	2.7	14.8	333	29.2	
R610347		74	3.2	13.6	138	26.6	
R610348		65	4.4	12.5	244	27.1	
R610349		44	2.8	11.0	252	21.3	
R610350		84	8.4	13.6	68	33.9	
R610351		69	7.6	14.8	115	28.0	
R610352		78	1.3	14.2	55	29.9	
R610353		63	2.9	16.5	>10000	27.7	1.180
R610354		70	5.6	15.3	278	33.2	
R610355		48	3.7	19.8	2370	25.7	
R610356		2	0.1	0.8	21	0.7	
R610357		72	1.0	13.1	64	32.9	
R610358		70	1.2	13.9	57	31.9	
R610359		63	6.1	11.8	2420	30.9	
R610360		76	2.3	14.5	58	37.3	
R610361		66	7.6	15.5	56	33.4	
R610362		81	3.8	14.4	58	35.9	
R610363		52	11.7	10.1	716	21.9	
R610364		72	3.7	16.0	1940	23.3	
R610365		1	0.1	0.8	23	<0.5	
R610366		85	1.1	14.3	72	26.8	
R610367		68	2.8	14.5	199	23.2	
R610368		65	2.0	17.7	225	22.1	
R610369		77	1.1	14.1	69	25.1	
R610370		64	3.8	20.8	256	22.8	

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: KLAZA

Finalized Date: 2-AUG-2015
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH15105487

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

Applies to Method:				
	BAG-06	CRU-31	CRU-QC	LOG-21
	LOG-21d	LOG-23	PUL-31	PUL-31d
	PUL-QC	SPL-21	SPL-21d	WEI-21

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:				
	Au-AA24	ME-MS61	ME-OG62	Zn-OG62

ALS Canada Ltd.

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 31-JUL-2015
Account: ROCKHA

CERTIFICATE WH15105491

Project: KLAZA

P.O. No.: BATCH 61

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 19-JUL-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21d	Sample logging - ClientBarCode Dup
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
BAG-06	Double Bagging Coarse Rejects
SPL-21d	Split sample - duplicate
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31d	Pulverize Split - duplicate

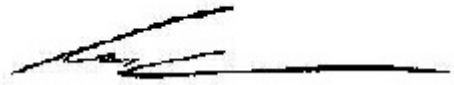
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 31-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15105491

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
R610737		6.02	0.008	0.31	7.21	25.1	1520	1.25	0.24	1.14	1.33	42.3	4.1	11	18.90	20.6
R610738		11.14	0.014	0.38	6.53	12.3	1660	1.50	0.40	2.01	8.90	34.7	4.9	8	23.5	9.3
R610739		10.77	<0.005	0.17	6.86	10.2	1030	1.69	0.15	3.49	0.89	42.3	3.0	9	11.25	11.2
R610740		3.79	0.299	1.08	6.69	16.8	1380	1.48	1.22	2.14	23.5	38.0	3.3	9	12.95	37.3
R610741		0.30	0.363	4.37	6.60	707	490	1.43	3.34	2.01	10.30	49.1	12.8	25	13.40	317
R610742		5.59	0.704	7.27	7.15	2210	930	1.53	5.66	1.92	66.6	54.5	4.3	8	15.65	112.0
R610743		3.81	0.013	0.88	7.27	35.2	910	1.58	0.38	1.47	3.29	47.0	3.5	8	14.05	59.6
R610744		5.85	0.005	0.12	7.63	19.6	990	1.37	0.15	1.45	0.30	52.1	4.7	8	18.20	6.1
R610745		5.48	0.016	2.31	6.86	80.3	870	1.66	0.74	1.76	6.06	42.9	2.9	8	12.40	398
R610746		5.50	0.516	2.15	7.45	102.5	720	1.56	1.41	1.54	8.53	54.0	3.9	7	12.90	71.7
R610747		<0.02	0.221	1.90	7.17	92.9	670	1.51	1.37	1.49	8.59	51.7	4.0	8	12.40	57.0
R610748		3.47	0.688	2.06	4.94	230	400	1.20	1.88	1.65	5.37	32.4	12.7	6	14.30	19.7
R610749		10.49	0.012	0.50	7.54	35.4	850	1.74	0.21	1.80	2.04	42.6	2.9	8	17.80	5.0
R610750		2.47	0.405	4.16	7.97	487	610	1.59	6.64	1.46	6.08	42.3	2.4	8	15.15	72.6
M675001		6.72	0.035	0.62	7.05	84.5	1490	1.63	0.98	2.18	4.04	39.1	3.6	8	19.85	18.1
M675002		2.06	0.014	0.20	7.23	26.5	1170	1.57	0.23	2.35	0.17	43.0	5.4	8	15.00	3.6
M675003		4.12	<0.005	0.09	6.75	10.4	1780	1.73	0.14	3.05	0.13	36.9	3.3	8	23.6	2.8
M675004		2.04	<0.005	0.12	6.61	10.3	1730	1.74	0.17	3.06	0.14	34.8	3.0	8	25.9	2.6
M675005		1.71	0.106	3.03	6.87	84.4	1250	1.64	2.44	2.01	54.3	35.0	2.5	7	12.90	52.6
M675006		2.78	9.18	14.65	4.36	3950	260	0.94	6.52	2.87	70.6	23.2	2.7	5	5.22	262
M675007		5.04	<0.005	0.04	0.07	3.2	100	<0.05	0.04	21.3	0.20	1.38	0.8	<1	0.16	2.1
M675008		4.01	0.130	1.01	7.06	329	1900	1.48	0.67	2.23	7.21	42.7	7.6	7	13.35	18.4
M675009		2.66	0.012	0.73	6.72	45.3	1160	1.50	0.33	2.47	6.02	38.5	2.9	6	20.6	13.0
M675010		5.23	0.007	0.16	8.11	9.0	1670	1.60	0.22	0.64	0.45	60.0	6.4	7	14.50	14.4
M675011		3.84	0.097	5.21	7.22	122.5	1830	1.50	1.61	2.01	17.40	60.0	5.6	7	13.70	76.0
M675012		6.03	<0.005	0.02	0.18	<0.2	40	0.13	0.03	19.85	0.06	1.55	1.0	4	0.67	2.0
M675013		5.92	0.009	0.22	8.38	11.5	2550	1.27	0.14	0.79	1.14	59.4	6.2	8	10.40	9.2
M675014		8.87	<0.005	0.15	7.70	11.5	2360	1.29	0.10	1.61	0.17	45.5	7.7	9	16.20	7.4
M675015		1.34	0.198	3.86	6.66	115.5	1360	1.72	3.53	1.97	12.95	52.3	6.1	7	18.70	112.5
M675016		2.52	<0.005	0.14	7.10	11.2	2110	1.52	0.10	2.13	0.23	44.0	6.0	9	17.70	3.3
M675017		3.53	0.012	0.53	7.07	60.2	1770	1.68	0.34	2.24	3.83	47.8	6.3	9	13.15	13.5
M675018		2.70	0.011	0.33	7.29	44.7	1410	1.75	0.25	2.22	0.82	54.8	6.5	8	16.55	15.2
M675019		0.30	0.960	11.75	6.34	1525	290	1.46	11.45	1.83	31.0	45.2	18.0	19	13.50	283
M675020		2.93	0.046	2.93	6.83	143.5	1220	1.61	1.09	2.33	21.5	62.9	10.8	9	12.40	55.7
M675021		2.73	0.007	0.36	6.76	11.4	2600	1.51	0.39	2.89	0.56	75.9	11.6	9	9.79	4.7
M675022		6.16	<0.005	0.08	7.02	5.6	1980	1.54	0.10	3.03	0.13	40.2	6.0	8	11.65	9.0

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VANCOUVER BC V6B 1L8

Finalized Date: 31-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15105491

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
R610737		2.48	16.50	0.14	1.4	0.069	2.47	19.6	58.6	0.39	722	2.37	0.08	8.5	7.8	620
R610738		2.63	16.95	0.14	1.3	0.319	2.42	15.5	92.8	0.42	621	0.83	0.08	8.2	2.7	590
R610739		2.66	16.55	0.15	1.0	0.079	2.10	18.0	24.8	0.66	875	0.38	0.68	7.5	2.5	610
R610740		2.69	16.65	0.17	1.0	0.761	2.15	15.8	89.1	0.58	1080	0.62	0.05	7.3	2.8	620
R610741		4.69	15.80	0.15	1.1	0.290	2.94	27.0	26.9	0.75	1870	13.95	0.15	6.3	14.0	510
R610742		4.22	15.85	0.14	1.0	1.735	2.60	28.2	61.6	0.76	1970	1.17	0.05	7.0	2.2	580
R610743		2.70	17.35	0.12	1.1	0.273	2.20	21.4	210	0.58	1530	0.40	0.04	7.2	2.2	640
R610744		2.44	17.00	0.14	1.2	0.116	1.72	25.9	187.0	0.58	816	0.51	0.04	7.6	2.1	630
R610745		2.74	16.35	0.13	1.0	0.382	2.31	19.1	151.0	0.65	1630	0.64	0.04	7.4	1.9	590
R610746		4.13	17.10	0.14	1.0	0.575	2.60	26.1	72.6	0.69	3110	0.95	0.04	7.3	1.8	580
R610747		3.94	16.45	0.17	1.0	0.551	2.45	24.7	71.8	0.66	2890	0.90	0.04	7.0	1.8	550
R610748		4.11	12.35	0.12	0.6	0.433	2.19	13.6	42.9	0.67	2230	2.87	0.03	4.8	2.2	340
R610749		2.83	17.40	0.13	1.1	0.109	2.18	18.9	202	0.65	1000	1.56	0.04	8.1	2.2	610
R610750		3.01	17.40	0.13	1.1	0.202	1.84	18.9	74.7	0.54	804	1.32	0.04	8.4	1.9	650
M675001		2.67	16.85	0.15	1.0	0.259	2.77	16.8	85.6	0.73	892	0.55	0.05	7.8	2.2	610
M675002		2.59	17.35	0.15	1.2	0.077	2.55	18.5	58.3	0.80	1460	0.65	0.06	8.1	2.2	630
M675003		2.58	17.15	0.15	1.2	0.061	2.32	15.8	52.3	0.54	628	0.42	1.29	8.1	1.9	630
M675004		2.47	16.50	0.17	1.1	0.047	2.17	14.6	58.1	0.48	604	0.38	1.21	8.0	1.8	600
M675005		3.57	17.00	0.16	0.9	1.075	2.98	13.8	16.5	0.71	2740	0.42	0.08	7.1	2.3	570
M675006		6.23	13.05	0.12	0.5	1.780	2.08	9.0	14.8	1.11	7250	1.55	0.03	4.0	1.4	330
M675007		0.50	0.29	0.14	<0.1	0.010	0.03	0.7	1.4	13.05	263	0.08	<0.01	0.1	1.5	200
M675008		3.45	16.50	0.14	1.0	0.493	2.56	19.3	40.9	0.85	2780	0.82	0.05	7.4	2.0	580
M675009		2.92	16.20	0.16	1.1	0.209	2.59	17.1	90.2	0.62	1600	0.99	0.10	7.6	1.5	560
M675010		4.95	17.40	0.16	1.3	0.112	2.40	32.9	73.5	0.54	1580	1.30	0.08	8.3	2.0	640
M675011		3.69	16.00	0.14	1.1	0.519	2.99	33.7	49.3	0.82	1980	1.76	0.05	6.8	1.8	580
M675012		0.46	0.52	0.12	<0.1	<0.005	0.07	0.7	2.2	12.35	214	0.32	0.01	0.2	2.9	190
M675013		3.10	17.70	0.17	1.3	0.075	2.41	31.9	35.9	0.36	739	1.89	0.09	8.5	7.2	670
M675014		2.78	17.60	0.17	1.3	0.042	3.08	22.2	56.6	0.49	612	1.66	0.35	8.6	2.5	650
M675015		4.88	15.45	0.15	1.1	0.759	3.23	29.1	20.1	0.78	3920	1.85	0.07	6.6	2.2	500
M675016		2.71	16.25	0.21	1.2	0.037	3.13	22.0	58.5	0.72	687	1.41	1.32	7.9	2.1	600
M675017		3.29	16.50	0.17	1.3	0.145	3.00	23.5	18.8	0.61	1020	1.51	1.28	7.8	2.1	570
M675018		2.90	16.65	0.20	1.3	0.065	3.42	28.4	24.9	0.72	1020	0.78	0.52	7.7	2.1	610
M675019		6.38	15.45	0.14	1.2	0.769	2.81	23.4	19.6	0.74	1760	8.44	0.12	6.5	11.5	530
M675020		4.82	15.65	0.15	1.0	0.379	3.19	34.6	12.4	0.96	2320	0.75	0.04	6.6	2.3	560
M675021		2.43	16.15	0.18	1.1	0.095	2.85	41.4	28.2	0.88	1190	0.62	0.23	6.8	1.9	570
M675022		2.79	17.00	0.11	1.3	0.037	2.67	19.4	18.8	0.66	599	1.78	1.63	8.8	5.0	590

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Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
R610737		50.4	111.0	<0.002	0.13	28.2	10.5	<1	2.2	82.9	0.77	<0.05	12.1	0.265	1.53	3.6
R610738		120.0	100.5	<0.002	0.35	17.95	9.2	1	2.6	102.5	0.80	<0.05	9.9	0.251	1.63	3.2
R610739		33.2	102.5	<0.002	0.18	6.32	10.2	<1	3.0	152.0	0.63	<0.05	11.6	0.249	1.99	3.7
R610740		243	102.5	<0.002	0.30	15.60	9.4	<1	3.0	108.5	0.64	<0.05	10.6	0.245	2.16	2.8
R610741		469	155.5	0.005	2.71	28.6	9.1	1	5.7	104.0	0.54	0.36	11.9	0.207	2.47	5.1
R610742		566	161.0	<0.002	2.22	40.5	10.1	<1	4.8	91.0	0.61	<0.05	14.1	0.234	2.58	4.9
R610743		146.0	117.5	<0.002	0.31	43.2	10.6	<1	3.1	120.5	0.63	<0.05	13.1	0.237	2.00	4.5
R610744		12.6	98.8	<0.002	0.28	24.9	10.9	<1	2.5	158.5	0.66	<0.05	14.5	0.250	1.69	3.9
R610745		188.5	118.0	<0.002	0.30	198.0	9.9	<1	3.2	108.5	0.62	<0.05	12.0	0.238	2.42	2.4
R610746		467	171.5	<0.002	1.07	38.8	10.6	<1	4.2	97.5	0.63	0.05	14.4	0.236	2.73	3.7
R610747		435	161.5	<0.002	1.00	33.4	10.2	<1	3.9	95.5	0.60	<0.05	13.5	0.226	2.58	3.5
R610748		161.0	147.0	<0.002	2.61	35.4	7.7	<1	5.3	67.2	0.40	0.28	9.1	0.161	2.10	3.4
R610749		128.5	98.6	<0.002	0.24	26.2	10.8	<1	2.8	111.5	0.68	<0.05	12.9	0.267	2.13	2.7
R610750		179.5	107.0	<0.002	0.78	45.2	11.8	<1	2.9	55.1	0.69	0.13	14.5	0.273	1.96	2.3
M675001		47.8	110.5	<0.002	0.37	11.90	10.3	<1	2.4	93.7	0.67	<0.05	11.9	0.258	2.57	4.6
M675002		16.1	99.4	<0.002	0.32	6.15	11.5	<1	2.4	68.9	0.67	<0.05	11.5	0.271	2.48	4.7
M675003		16.2	87.1	<0.002	0.09	9.54	9.5	<1	2.2	248	0.69	<0.05	10.3	0.266	1.65	2.9
M675004		16.5	84.0	<0.002	0.08	10.75	9.6	<1	2.2	232	0.66	<0.05	10.0	0.257	1.62	3.1
M675005		599	128.0	<0.002	1.00	15.35	9.7	<1	5.2	52.9	0.60	<0.05	11.2	0.230	3.17	4.2
M675006		343	124.0	<0.002	4.18	72.5	6.6	<1	13.0	159.5	0.34	0.06	7.2	0.135	1.94	2.1
M675007		2.6	1.6	<0.002	0.01	0.22	0.2	<1	<0.2	50.8	<0.05	<0.05	0.2	<0.005	0.02	0.5
M675008		109.5	116.0	<0.002	0.83	10.15	9.7	<1	4.4	119.0	0.66	<0.05	12.9	0.245	2.77	4.9
M675009		235	109.0	<0.002	0.27	22.7	9.5	<1	2.9	92.1	0.68	<0.05	11.3	0.245	2.20	3.9
M675010		19.0	115.5	<0.002	0.05	27.4	11.9	<1	2.9	57.4	0.71	<0.05	16.0	0.272	1.64	3.1
M675011		504	162.5	<0.002	1.18	32.7	10.2	<1	3.1	60.3	0.61	<0.05	14.2	0.234	2.47	5.3
M675012		1.7	4.0	<0.002	<0.01	0.25	0.4	<1	<0.2	37.9	<0.05	<0.05	0.2	0.006	0.03	0.6
M675013		39.4	101.0	<0.002	0.08	28.9	11.5	<1	2.0	64.9	0.70	<0.05	15.9	0.286	0.98	2.6
M675014		19.7	111.0	<0.002	0.05	13.90	10.3	<1	2.1	119.5	0.75	<0.05	12.8	0.278	1.33	5.2
M675015		297	172.5	<0.002	1.07	46.0	9.3	<1	4.1	62.3	0.57	<0.05	12.9	0.211	2.75	7.0
M675016		17.3	121.5	<0.002	0.06	9.78	10.3	<1	1.5	238	0.68	<0.05	12.2	0.261	1.63	3.7
M675017		116.0	125.5	<0.002	0.94	3.81	9.6	<1	3.1	228	0.73	<0.05	12.0	0.244	1.61	4.0
M675018		64.4	162.0	<0.002	0.70	5.10	10.2	<1	3.1	138.0	0.70	<0.05	13.8	0.251	2.50	4.3
M675019		1220	158.0	<0.002	4.61	62.8	9.1	1	8.0	91.1	0.56	1.13	11.5	0.210	2.57	5.3
M675020		957	219	<0.002	2.17	8.89	10.5	<1	4.3	77.6	0.56	0.28	12.4	0.219	3.10	6.2
M675021		35.3	120.5	<0.002	0.49	4.52	9.5	<1	3.5	118.5	0.57	0.19	12.6	0.216	2.23	5.1
M675022		20.3	92.1	<0.002	0.03	2.93	10.3	1	1.6	290	0.74	<0.05	10.7	0.261	1.22	3.5

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 31-JUL-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15105491

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	V	W	Y	Zn	Zr
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	1	0.1	0.1	2	0.5
R610737		72	5.8	13.3	121	34.6
R610738		75	5.4	10.9	587	32.6
R610739		76	1.7	14.3	114	25.6
R610740		71	4.8	12.0	1500	24.1
R610741		65	5.8	11.7	830	29.5
R610742		69	6.5	14.1	4430	27.4
R610743		83	4.3	14.3	251	26.1
R610744		67	8.2	14.7	57	29.5
R610745		73	4.9	12.6	443	25.4
R610746		71	6.1	13.7	630	24.5
R610747		69	6.0	12.9	641	24.0
R610748		45	4.4	9.0	413	16.7
R610749		75	3.8	13.5	219	28.3
R610750		73	4.4	12.6	460	27.2
M675001		73	3.4	13.4	315	26.0
M675002		78	5.8	14.8	60	27.1
M675003		75	1.2	13.5	83	30.3
M675004		71	1.2	13.4	80	28.0
M675005		68	3.2	12.5	3540	23.2
M675006		45	3.8	7.0	4790	13.1
M675007		3	0.1	0.8	33	<0.5
M675008		69	67.7	12.7	607	26.0
M675009		69	3.7	12.8	516	27.1
M675010		74	9.3	17.2	166	31.7
M675011		70	5.2	13.5	1360	27.3
M675012		4	0.1	0.9	14	<0.5
M675013		75	5.8	17.8	201	31.5
M675014		73	6.6	16.1	115	32.7
M675015		61	5.4	12.2	968	27.6
M675016		70	1.7	15.5	92	31.5
M675017		67	1.7	14.1	386	31.8
M675018		68	2.5	14.4	145	31.7
M675019		61	6.3	11.3	2220	30.1
M675020		64	6.4	12.6	1720	27.2
M675021		65	3.0	14.7	157	29.3
M675022		71	1.5	15.6	107	34.8

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: KLAZA

Finalized Date: 31-JUL-2015
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH15105491

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	ME-MS61

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 4-AUG-2015
Account: ROCKHA

CERTIFICATE WH15105497

Project: KLAZA

P.O. No.: BATCH 62

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 19-JUL-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21d	Sample logging - ClientBarCode Dup
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
BAG-06	Double Bagging Coarse Rejects
SPL-21d	Split sample - duplicate
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31d	Pulverize Split - duplicate

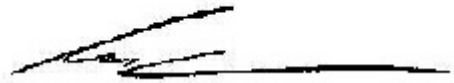
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.

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VANCOUVER BC V6B 1L8

Finalized Date: 4-AUG-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15105497

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
M675023		11.30	<0.005	0.17	7.49	13.0	2200	1.90	0.20	2.61	2.09	55.6	6.8	13	15.00	9.9
M675024		5.67	<0.005	0.28	7.02	9.7	1390	1.83	0.35	3.28	2.75	65.7	5.4	9	20.3	10.9
M675025		2.15	0.142	2.04	6.85	482	1450	1.51	1.97	1.90	21.2	57.5	5.2	9	14.55	33.4
M675026		4.65	<0.005	0.19	7.35	13.8	1730	1.57	0.23	2.58	1.70	40.8	6.0	9	14.85	7.1
M675027		1.39	0.039	1.40	6.52	45.7	1500	1.41	0.36	4.99	11.20	54.4	4.4	7	9.30	7.3
M675028		3.87	0.005	1.10	7.05	15.2	1410	1.65	1.27	3.03	0.94	136.0	10.9	9	7.69	4.4
M675029		<0.02	0.005	1.14	6.96	15.5	1400	1.61	1.24	2.97	1.00	138.5	10.6	8	7.43	4.4
M675030		7.31	<0.005	0.24	7.47	9.5	1530	1.71	0.36	3.09	0.17	69.5	6.6	11	8.23	2.2
M675031		8.01	<0.005	0.11	7.64	6.6	2170	1.64	0.13	2.56	0.24	52.8	6.4	12	12.50	5.2
M675032		1.43	0.301	5.59	6.83	371	1180	1.54	3.21	1.29	60.9	48.8	11.4	9	15.35	108.5
M675033		4.09	<0.005	0.01	0.07	0.4	30	0.05	0.02	21.2	0.12	1.89	0.7	1	0.22	1.6
M675034		3.66	<0.005	0.16	7.49	11.6	1840	1.86	0.12	2.81	0.44	48.0	5.6	8	19.00	6.6
M675035		1.53	0.077	1.02	7.12	211	1680	1.68	0.83	2.82	9.09	63.8	5.3	10	20.8	18.9
M675036		5.33	<0.005	0.24	7.37	7.7	1270	1.51	0.60	3.86	0.15	109.0	10.5	8	9.84	3.5
M675037		3.40	<0.005	0.07	7.96	6.6	2360	1.95	0.11	2.72	0.15	54.1	6.7	12	15.95	6.3
M675038		2.76	<0.005	0.09	7.70	7.8	2310	1.75	0.10	2.76	0.15	48.6	6.9	9	14.10	4.7
M675039		2.04	0.046	0.57	7.35	131.5	1170	1.65	0.27	2.11	1.58	64.7	9.1	9	23.6	7.4
M675040		0.76	0.036	0.46	7.15	110.5	1380	1.63	0.25	2.40	1.92	65.9	10.7	9	22.4	6.5
M675041		3.00	<0.005	0.10	7.45	13.4	2290	1.67	0.09	2.49	0.12	47.6	6.1	9	18.85	7.4
M675042		1.15	0.018	3.29	7.24	151.0	420	2.06	0.39	1.97	3.17	39.5	7.7	8	30.7	19.7
M675043		2.09	0.015	1.05	7.83	82.3	1780	1.58	0.58	2.07	4.27	46.8	6.2	8	14.40	31.7
M675044		3.41	0.009	0.16	7.35	15.6	2280	1.63	0.19	2.71	0.34	45.9	6.8	11	16.00	10.2
M675045		0.98	0.006	1.15	7.23	30.2	1950	1.90	0.12	2.78	12.60	47.3	6.4	9	27.0	28.5
M675046		0.29	1.760	40.5	5.99	2590	1300	1.06	35.0	1.71	48.4	38.3	17.1	24	11.25	1235
M675047		2.60	0.263	3.69	6.58	254	2080	1.43	3.42	1.35	49.3	47.5	14.0	9	15.05	95.8
M675048		4.71	<0.005	0.02	0.07	0.3	40	0.07	0.03	21.6	0.15	1.50	0.8	1	0.22	1.7
M675049		1.63	0.428	5.39	6.79	412	2510	2.01	8.02	3.48	9.13	55.9	9.1	13	29.2	121.0
M675050		2.83	0.051	0.99	7.18	80.5	910	2.24	1.19	3.22	2.30	62.1	6.5	17	26.4	24.4
M675051		5.23	<0.005	0.52	6.65	21.2	1430	1.63	0.20	3.23	0.33	54.9	5.1	13	23.3	11.5
M675052		12.08	<0.005	0.97	6.84	34.2	1230	1.92	0.28	3.17	0.47	53.3	5.7	13	25.3	14.5
M675053		9.33	<0.005	0.76	6.86	25.2	1440	1.79	0.17	3.23	0.48	57.4	5.1	12	24.1	12.9
M675054		6.23	<0.005	0.17	6.74	14.1	1190	1.83	0.24	3.05	0.28	58.5	5.0	15	28.0	6.6
M675055		3.44	0.065	0.83	7.37	83.2	1520	2.20	1.05	4.07	1.87	70.0	8.8	24	34.9	24.8
M675056		0.29	0.348	5.14	6.88	734	970	1.47	3.46	2.10	10.95	49.6	12.5	26	13.80	315
M675057		1.47	1.645	16.35	5.06	1340	550	1.32	35.0	2.97	23.5	42.9	11.1	14	19.95	119.5
M675058		6.94	<0.005	0.07	7.73	31.2	1330	1.89	0.19	1.82	0.20	74.7	7.5	25	24.8	5.8

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 4-AUG-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15105497

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
M675023		3.30	16.80	0.14	1.2	0.108	2.86	29.1	22.8	0.81	656	1.33	1.52	8.2	2.5	600
M675024		2.63	16.60	0.13	1.0	0.122	2.05	34.9	32.6	0.78	667	0.85	0.65	7.0	2.0	600
M675025		5.43	15.10	0.11	0.9	0.748	3.05	32.2	14.8	0.84	5290	0.79	0.06	6.1	2.4	510
M675026		3.42	17.10	0.12	1.1	0.102	2.80	20.4	26.6	0.53	1040	1.26	0.55	8.2	2.2	640
M675027		3.08	13.50	0.11	0.8	0.253	2.69	27.6	27.5	1.17	2750	0.33	0.23	4.3	1.7	500
M675028		2.98	16.35	0.16	0.9	0.225	2.84	74.7	33.9	0.88	1540	0.27	0.64	6.3	3.5	610
M675029		2.97	16.05	0.15	0.8	0.227	2.78	75.9	33.2	0.87	1520	0.31	0.64	6.3	3.4	610
M675030		2.61	16.85	0.14	1.0	0.079	2.31	34.9	17.8	0.74	967	0.39	1.53	7.4	2.1	600
M675031		3.05	16.30	0.13	1.2	0.044	2.76	28.0	15.4	0.78	611	1.04	2.16	8.3	2.3	630
M675032		5.30	14.75	0.10	1.0	0.912	3.11	26.8	9.1	0.61	6380	0.99	0.05	6.5	2.7	530
M675033		0.49	0.22	0.13	<0.1	0.007	0.03	1.0	1.0	13.30	232	0.08	0.01	0.2	1.6	190
M675034		3.15	16.15	0.15	1.2	0.041	3.06	25.0	38.8	0.83	921	1.36	1.27	8.4	2.2	620
M675035		4.36	15.25	0.13	1.1	0.249	3.03	36.7	13.4	1.01	3540	1.25	0.07	7.1	2.0	540
M675036		3.21	16.35	0.15	1.2	0.103	2.25	64.3	20.1	0.68	740	0.69	1.32	7.7	2.3	610
M675037		3.04	17.35	0.15	1.4	0.038	2.97	28.7	16.6	0.81	517	1.18	2.52	9.4	2.6	620
M675038		3.42	17.30	0.13	1.3	0.051	2.86	25.0	12.4	0.89	668	1.14	2.39	9.3	2.7	610
M675039		4.45	16.60	0.12	1.1	0.209	3.44	34.1	19.2	0.75	3260	0.84	0.33	7.8	2.7	580
M675040		4.44	16.05	0.12	1.1	0.237	3.17	35.0	45.0	0.83	3120	0.84	0.30	7.8	3.4	560
M675041		2.85	15.70	0.15	1.2	0.034	3.18	24.9	68.0	0.64	694	0.86	1.35	8.2	2.1	610
M675042		3.25	16.75	0.12	1.2	0.227	3.24	19.7	42.0	0.60	5770	1.44	0.05	8.3	2.8	590
M675043		3.51	16.50	0.12	1.1	0.098	3.39	24.9	18.7	0.71	1040	1.32	0.62	8.1	2.2	620
M675044		3.33	16.40	0.15	1.0	0.039	3.32	24.5	17.3	0.77	769	1.09	1.74	8.1	2.4	600
M675045		3.53	16.45	0.14	1.1	0.129	3.78	24.6	42.5	0.77	2140	0.67	0.65	8.6	2.2	670
M675046		9.41	14.20	0.10	0.9	1.615	2.75	20.2	15.1	0.71	2440	17.15	0.07	5.0	14.9	460
M675047		4.83	14.40	0.10	0.9	0.935	3.12	25.9	14.2	0.57	1500	1.36	0.04	6.1	2.5	500
M675048		0.49	0.23	0.14	<0.1	0.009	0.03	0.7	1.0	13.65	228	0.11	0.01	0.1	1.6	190
M675049		3.14	15.90	0.12	2.8	0.399	2.44	31.1	152.5	0.89	1340	11.55	0.04	8.2	5.7	730
M675050		2.59	18.85	0.14	4.4	0.111	2.69	32.6	261	0.86	584	8.10	0.08	11.0	5.7	1180
M675051		2.25	18.40	0.16	3.1	0.027	2.45	27.2	67.5	0.71	468	3.35	0.84	10.2	8.6	920
M675052		2.05	18.80	0.18	2.6	0.035	2.68	26.3	105.5	0.63	483	2.16	0.32	10.1	5.2	910
M675053		2.09	18.40	0.19	2.6	0.028	2.67	29.7	89.3	0.69	449	1.90	0.32	9.9	4.9	870
M675054		2.38	18.90	0.20	3.6	0.025	2.48	28.9	39.9	0.74	495	1.83	0.69	10.7	5.2	1020
M675055		2.62	18.90	0.19	4.2	0.061	3.19	36.5	47.4	1.01	758	6.80	0.14	11.3	10.7	1050
M675056		5.13	15.35	0.13	1.1	0.310	3.08	27.8	26.9	0.80	1920	15.30	0.16	6.3	15.6	540
M675057		7.89	12.25	0.10	2.4	1.735	1.82	21.4	45.4	0.89	948	4.55	0.03	6.6	5.7	760
M675058		2.95	19.00	0.15	4.5	0.038	2.72	38.3	198.5	0.99	592	0.49	0.06	11.6	8.9	1430

***** See Appendix Page for comments regarding this certificate *****

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 4-AUG-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15105497

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
M675023		57.7	99.3	<0.002	0.16	3.71	10.5	1	2.2	286	0.70	<0.05	12.7	0.251	1.36	3.3
M675024		128.0	74.7	<0.002	0.29	8.80	10.2	1	2.5	182.0	0.58	0.08	11.3	0.225	1.34	7.2
M675025		278	166.5	<0.002	1.31	17.55	9.3	1	4.0	54.5	0.49	0.06	12.7	0.204	2.64	3.0
M675026		76.8	103.5	<0.002	0.26	8.67	11.0	1	2.4	152.0	0.66	0.05	10.6	0.266	1.85	3.1
M675027		734	130.5	<0.002	0.45	6.59	8.2	1	2.7	169.0	0.39	<0.05	11.1	0.157	2.46	5.4
M675028		202	135.0	<0.002	0.91	4.00	10.7	1	4.0	124.5	0.53	0.31	12.7	0.206	2.47	3.8
M675029		198.5	132.5	<0.002	0.91	3.94	10.8	1	3.9	123.0	0.52	0.33	12.8	0.209	2.42	3.8
M675030		15.5	101.0	<0.002	0.44	2.90	10.3	1	3.0	201	0.63	0.14	13.3	0.231	1.75	4.7
M675031		27.0	98.6	<0.002	0.10	3.25	10.6	1	1.9	326	0.69	<0.05	12.8	0.258	1.27	4.0
M675032		1200	173.0	<0.002	3.50	9.66	9.4	<1	4.2	52.1	0.56	0.21	12.0	0.215	2.77	4.7
M675033		2.3	1.3	<0.002	<0.01	<0.05	0.2	1	<0.2	53.6	<0.05	<0.05	0.3	<0.005	0.02	0.6
M675034		24.9	111.5	<0.002	0.07	3.66	10.4	1	1.6	256	0.71	<0.05	14.1	0.265	1.65	5.1
M675035		109.0	170.0	<0.002	0.99	6.63	9.8	1	3.3	93.9	0.61	0.08	14.7	0.224	2.95	7.7
M675036		13.9	128.0	<0.002	1.27	2.59	10.0	1	3.2	177.5	0.68	0.12	14.2	0.234	1.61	4.9
M675037		19.2	112.0	<0.002	0.02	1.60	11.0	1	1.6	410	0.87	<0.05	14.8	0.266	1.13	5.5
M675038		18.2	100.0	<0.002	0.04	2.79	12.9	1	2.0	378	0.74	<0.05	12.3	0.291	1.41	4.6
M675039		67.3	167.5	<0.002	0.54	9.54	9.9	1	3.9	109.0	0.69	<0.05	13.5	0.230	3.20	6.5
M675040		41.9	162.5	<0.002	0.63	8.59	9.4	1	3.7	122.5	0.64	0.05	13.7	0.223	3.06	6.8
M675041		15.4	128.0	<0.002	0.09	7.48	10.3	1	1.6	288	0.68	<0.05	13.1	0.258	1.86	4.1
M675042		154.0	119.5	<0.002	1.06	15.40	9.7	1	4.5	96.4	0.72	<0.05	11.5	0.256	3.23	5.6
M675043		209	141.0	<0.002	0.70	5.47	10.2	1	3.3	162.5	0.68	<0.05	13.6	0.254	2.04	4.4
M675044		32.9	128.0	<0.002	0.16	2.75	10.3	1	2.0	331	0.65	<0.05	12.3	0.253	1.80	3.9
M675045		581	153.5	<0.002	0.31	7.79	11.6	1	2.3	216	0.66	<0.05	12.1	0.274	2.71	5.1
M675046		1730	157.5	0.002	8.03	103.5	8.3	2	10.9	66.7	0.43	0.87	9.9	0.179	2.30	6.0
M675047		721	196.0	<0.002	4.38	14.25	8.6	1	8.5	103.5	0.49	0.11	10.8	0.198	2.68	3.9
M675048		3.4	1.4	<0.002	<0.01	0.07	0.2	1	<0.2	50.5	<0.05	<0.05	<0.2	<0.005	0.02	0.5
M675049		178.0	137.5	<0.002	1.58	65.7	7.3	1	2.6	380	0.60	0.18	10.1	0.244	2.41	5.2
M675050		54.6	79.1	<0.002	0.20	22.2	5.3	1	2.0	484	0.74	0.06	8.9	0.334	1.48	3.8
M675051		28.6	83.9	<0.002	0.08	10.70	4.5	1	1.5	368	0.74	<0.05	9.0	0.270	1.16	4.2
M675052		40.9	91.9	<0.002	0.12	12.55	4.4	1	1.8	357	0.73	0.06	8.5	0.270	1.13	4.3
M675053		83.8	98.8	<0.002	0.10	12.30	4.3	1	1.4	389	0.73	<0.05	9.1	0.264	1.15	4.0
M675054		23.1	86.5	<0.002	0.04	7.48	5.0	1	1.5	416	0.73	0.05	9.1	0.299	1.20	4.6
M675055		58.6	138.0	<0.002	0.49	14.30	8.0	1	1.6	455	0.81	<0.05	10.7	0.308	2.60	5.1
M675056		486	162.5	0.002	2.75	28.4	9.3	1	5.6	111.5	0.53	0.30	11.3	0.212	2.49	5.4
M675057		399	83.7	<0.002	6.94	24.0	4.9	1	2.1	288	0.46	0.52	6.5	0.215	1.21	2.9
M675058		13.2	102.0	<0.002	0.05	10.70	6.7	1	1.5	556	0.75	<0.05	9.5	0.375	1.36	3.4

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 4-AUG-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15105497

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	V	W	Y	Zn	Zr
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	1	0.1	0.1	2	0.5
M675023		73	1.8	16.8	253	32.2
M675024		70	2.4	15.6	279	27.2
M675025		60	4.7	12.1	1520	24.7
M675026		80	2.6	14.6	241	28.8
M675027		44	1.5	12.9	863	21.2
M675028		63	2.2	13.6	143	24.1
M675029		62	2.2	13.7	149	22.3
M675030		63	1.6	14.0	57	27.8
M675031		73	1.5	16.0	56	32.5
M675032		63	5.4	11.4	5020	26.9
M675033		2	0.1	0.9	26	<0.5
M675034		72	1.8	16.4	73	33.9
M675035		64	6.0	15.4	877	31.0
M675036		73	2.6	18.6	49	34.7
M675037		73	0.9	19.6	43	37.2
M675038		85	1.9	18.1	48	34.7
M675039		66	2.9	15.0	182	29.1
M675040		62	2.6	15.8	205	29.1
M675041		71	2.1	15.5	38	33.3
M675042		72	6.2	13.4	332	33.0
M675043		69	2.7	15.1	427	31.2
M675044		70	2.3	15.9	67	29.2
M675045		79	2.7	16.2	907	30.2
M675046		58	7.7	10.0	3530	24.4
M675047		57	3.7	10.3	3750	24.0
M675048		2	0.1	0.8	28	<0.5
M675049		56	5.0	12.0	712	106.0
M675050		58	1.6	10.0	253	175.0
M675051		44	1.1	8.2	110	107.0
M675052		45	1.6	8.0	130	82.6
M675053		43	1.5	8.2	131	83.6
M675054		49	1.4	8.7	109	134.0
M675055		69	1.7	14.1	167	158.0
M675056		68	5.9	12.5	894	31.6
M675057		44	1.8	8.1	1640	94.1
M675058		70	1.8	11.6	94	179.5

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: KLAZA

Finalized Date: 4-AUG-2015
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH15105497

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	ME-MS61

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 4-AUG-2015
Account: ROCKHA

CERTIFICATE WH15105501

Project: KLAZA

P.O. No.: BATCH 63

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 19-JUL-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21d	Sample logging - ClientBarCode Dup
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
BAG-06	Double Bagging Coarse Rejects
SPL-21d	Split sample - duplicate
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31d	Pulverize Split - duplicate

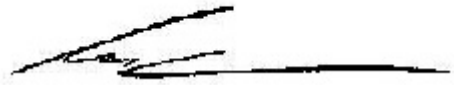
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Pb-OG62	Ore Grade Pb - Four Acid	VARIABLE
Zn-OG62	Ore Grade Zn - Four Acid	VARIABLE
As-OG62	Ore Grade As - Four Acid	VARIABLE
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.

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VANCOUVER BC V6B 1L8

Finalized Date: 4-AUG-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15105501

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
M675059		1.33	3.06	15.25	2.63	3590	240	0.67	27.1	1.23	89.5	17.00	45.2	17	7.02	233
M675060		1.88	0.007	0.30	7.32	56.9	2460	1.56	0.38	2.59	0.56	51.8	5.6	19	13.40	14.5
M675061		3.23	0.007	0.22	8.18	50.3	1860	1.08	0.25	1.40	4.84	51.1	4.6	15	12.65	5.1
M675062		5.46	<0.005	0.52	5.38	154.5	750	1.64	0.29	3.24	7.35	26.8	3.1	14	10.75	6.6
M675063		4.05	0.084	4.99	6.38	341	740	1.64	2.82	1.80	18.75	41.2	25.2	18	17.45	47.6
M675064		4.90	<0.005	0.12	0.10	24.3	30	0.08	0.05	21.2	0.18	1.53	0.9	1	0.30	1.9
M675065		3.69	<0.005	0.67	7.08	31.7	690	1.27	0.38	4.74	4.82	44.4	4.2	11	16.95	27.6
M675066		4.02	<0.005	0.44	7.17	16.8	580	1.41	0.71	2.99	3.37	40.4	3.2	17	7.95	9.3
M675067		3.08	0.016	1.30	7.03	29.2	500	1.61	2.11	2.80	18.30	37.4	2.6	17	19.85	35.8
M675068		0.29	0.319	4.63	6.73	729	520	1.34	3.63	2.10	10.80	49.0	12.2	25	13.85	313
M675069		4.27	0.135	3.58	6.88	116.5	1300	1.39	3.50	2.34	15.55	40.8	9.9	16	6.98	39.2
M675070		7.62	<0.005	0.33	7.37	20.7	510	1.62	0.51	3.23	0.41	36.5	2.5	15	6.40	4.0
M675071		7.26	<0.005	0.31	7.39	14.2	650	1.62	0.37	3.53	2.91	39.5	1.4	15	6.31	6.7
M675072		2.76	<0.005	0.13	7.20	11.2	640	1.70	0.21	3.44	0.13	34.2	1.3	19	6.23	5.1
M675073		1.56	0.081	1.95	6.84	71.1	990	1.41	3.26	4.18	5.56	49.7	12.0	13	4.37	89.6
M675074		1.33	0.008	0.51	7.18	75.5	650	1.41	0.48	3.65	8.88	53.1	2.7	17	5.71	5.1
M675075		8.27	0.025	0.49	7.52	61.3	610	1.61	0.49	3.24	5.02	45.6	3.1	13	10.15	22.9
M675076		10.99	<0.005	0.29	7.09	30.8	560	1.80	0.43	3.54	1.34	40.9	2.4	17	11.40	7.7
M675077		0.29	0.895	11.55	6.58	1615	490	1.34	12.60	1.91	32.8	45.7	17.8	21	13.90	292
M675078		1.33	2.71	24.2	4.53	>10000	500	1.05	31.1	2.62	156.5	36.5	13.1	9	9.45	296
M675079		9.43	<0.005	0.18	7.38	18.4	2050	1.61	0.20	2.67	0.36	52.5	4.1	14	13.80	2.5
M675080		2.45	0.074	1.28	6.87	52.4	980	1.25	2.04	4.63	5.34	56.8	3.6	15	7.45	33.7
M675081		4.71	<0.005	0.35	7.24	13.5	940	1.55	0.54	3.75	1.24	54.7	2.7	16	14.95	7.3
M675082		6.51	0.057	1.45	7.28	287	1350	1.65	0.30	2.66	9.87	56.2	3.6	13	14.35	15.4
M675083		8.51	<0.005	0.13	7.55	11.2	1800	1.31	0.17	1.91	0.22	53.3	5.4	15	12.05	3.8
M675084		1.55	6.13	69.9	5.05	1990	330	1.19	75.9	1.46	65.6	37.4	29.8	13	5.37	2960
M675085		6.06	0.006	0.17	0.10	6.0	20	0.06	0.16	21.1	0.17	1.30	0.9	2	0.29	7.3
M675086		2.78	0.015	0.51	7.04	48.7	660	1.35	0.57	1.85	0.67	54.5	3.3	17	9.03	11.4
M675087		3.06	<0.005	0.12	7.54	10.2	1160	1.32	0.27	1.47	0.13	44.6	4.0	15	7.61	10.1
M675088		4.65	<0.005	0.15	8.03	16.2	2100	1.34	0.35	0.40	0.51	54.5	5.5	12	13.35	2.5
M675089		3.93	0.016	1.62	7.00	23.9	1840	1.37	0.95	1.65	1.55	65.6	9.6	17	6.87	11.8
M675090		<0.02	0.021	1.47	7.23	24.3	2120	1.49	0.92	1.64	1.65	66.1	8.7	12	6.94	13.5
M675091		2.80	0.109	92.3	1.93	107.5	920	0.56	29.7	0.14	25.2	10.95	6.3	20	4.64	44.3
M675092		5.23	0.029	2.09	7.09	38.3	1500	1.48	1.20	0.47	5.16	60.7	25.4	16	8.12	8.5
M675093		6.49	0.050	2.32	7.53	128.5	1540	1.56	0.62	1.34	10.90	80.9	15.4	13	8.44	23.8
M675094		6.44	0.231	3.08	6.41	612	1760	1.28	1.22	2.18	17.05	48.0	5.4	12	6.63	36.0

***** See Appendix Page for comments regarding this certificate *****

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Finalized Date: 4-AUG-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15105501

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
M675059		10.90	6.14	0.07	0.4	2.41	1.25	8.2	22.0	0.31	772	15.15	0.08	2.6	3.3	200
M675060		3.09	16.20	0.12	1.1	0.056	3.10	27.2	18.2	0.74	540	1.68	2.20	8.5	2.5	620
M675061		2.74	16.25	0.13	1.3	0.068	2.69	25.5	32.6	0.60	454	1.44	0.12	9.2	2.5	710
M675062		2.00	16.35	0.12	1.0	0.180	2.94	10.1	18.3	0.21	1060	1.30	0.08	7.4	2.0	540
M675063		4.44	14.60	0.12	0.9	0.689	2.66	19.2	24.5	0.35	703	2.16	0.04	6.1	2.6	550
M675064		0.53	0.31	0.14	<0.1	0.011	0.04	0.7	1.1	13.30	225	0.52	<0.01	0.2	1.8	180
M675065		1.98	15.80	0.17	1.0	0.236	1.51	20.0	33.9	0.73	936	0.66	0.09	7.7	1.8	610
M675066		2.10	15.90	0.15	1.1	0.265	1.14	17.8	14.1	0.73	634	0.97	2.04	8.1	2.0	560
M675067		3.11	16.30	0.14	0.9	0.792	1.87	16.2	20.2	0.86	841	0.85	0.76	8.0	1.9	650
M675068		5.04	15.50	0.12	1.1	0.300	3.05	27.4	25.5	0.79	1940	16.85	0.16	6.3	15.0	540
M675069		3.67	15.25	0.13	0.8	0.358	3.17	19.4	11.1	0.59	1870	1.12	0.06	6.1	1.8	510
M675070		1.98	16.90	0.15	1.1	0.155	1.32	15.6	12.1	0.88	637	0.85	2.11	8.5	2.2	610
M675071		2.11	16.45	0.19	1.2	0.211	1.22	17.6	12.9	0.83	760	0.87	2.35	8.1	1.7	780
M675072		1.92	16.55	0.17	1.1	0.186	1.07	14.1	12.1	0.78	611	1.17	2.86	8.4	1.8	650
M675073		4.79	15.90	0.15	0.8	0.334	2.50	20.6	10.3	1.19	1940	0.72	0.15	6.2	1.8	4170
M675074		2.97	17.70	0.19	0.8	0.337	2.66	16.6	14.4	0.76	1670	1.07	0.44	7.0	1.1	530
M675075		2.60	16.75	0.18	0.9	0.305	1.66	17.4	15.6	0.82	1020	0.65	1.55	8.4	1.6	480
M675076		1.92	16.60	0.18	1.1	0.223	1.43	17.0	20.0	0.69	770	1.06	2.25	8.6	1.8	730
M675077		6.76	15.20	0.12	1.1	0.778	2.94	23.5	19.3	0.78	1840	9.05	0.13	6.6	13.0	550
M675078		7.85	9.86	0.09	0.6	3.05	1.99	19.6	19.6	0.30	2070	1.95	0.04	4.5	2.5	360
M675079		2.59	15.70	0.14	1.1	0.040	2.77	28.7	19.9	0.68	505	1.47	2.11	8.2	2.3	580
M675080		3.07	14.95	0.14	1.0	0.405	1.97	28.8	13.4	0.71	789	1.26	1.27	7.0	2.4	540
M675081		2.33	16.10	0.18	1.0	0.167	1.65	26.1	20.0	0.90	680	1.26	1.12	7.9	2.2	600
M675082		2.53	15.75	0.17	1.0	0.140	2.29	29.4	16.9	0.72	883	1.49	1.59	7.9	2.5	580
M675083		2.54	16.20	0.16	1.1	0.047	2.60	26.7	25.9	0.51	471	20.9	0.70	8.6	2.8	600
M675084		9.11	11.50	0.09	0.6	1.640	2.40	17.9	10.3	0.61	1040	1.44	0.04	4.2	2.5	370
M675085		0.49	0.29	0.11	<0.1	0.006	0.04	0.6	1.0	13.20	214	1.67	0.01	0.1	1.9	170
M675086		2.42	15.80	0.15	1.0	0.154	2.29	24.1	30.4	0.69	999	1.00	0.05	7.5	1.5	570
M675087		2.48	16.55	0.15	1.1	0.076	1.79	20.4	26.1	0.46	430	1.08	0.35	7.9	1.9	560
M675088		3.11	17.35	0.14	1.1	0.059	2.49	31.0	29.9	0.20	781	2.06	0.06	8.6	2.2	620
M675089		3.04	14.10	0.16	1.0	0.183	3.43	38.4	10.8	0.51	2130	1.38	0.04	7.4	2.0	560
M675090		3.08	14.35	0.16	1.1	0.204	3.48	39.4	10.7	0.54	2240	0.96	0.04	7.3	2.1	560
M675091		4.86	6.27	0.05	0.1	1.020	0.79	6.9	13.3	0.12	5140	2.54	0.02	1.0	2.4	40
M675092		3.03	15.90	0.13	1.0	0.123	3.45	37.0	8.7	0.25	2420	5.91	0.05	6.2	2.8	560
M675093		3.94	15.95	0.16	1.0	0.172	3.55	46.6	7.2	0.57	3130	0.78	0.05	6.2	2.6	640
M675094		4.17	14.25	0.13	0.9	0.280	2.92	29.3	7.8	0.66	3180	0.95	0.06	5.5	1.7	510

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 4-AUG-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15105501

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
M675059		590	65.9	<0.002	>10.0	31.7	3.4	5	3.9	71.7	0.20	0.82	3.8	0.080	1.08	1.7
M675060		25.2	123.0	<0.002	0.08	3.31	11.0	1	2.0	373	0.66	<0.05	13.5	0.262	1.53	4.6
M675061		58.4	98.0	<0.002	0.07	11.50	10.8	1	2.4	78.6	0.80	<0.05	15.8	0.281	1.16	2.3
M675062		259	119.5	<0.002	0.15	6.93	7.4	1	4.6	73.6	0.62	<0.05	8.2	0.218	2.42	2.1
M675063		1110	168.5	<0.002	2.20	11.45	8.8	1	5.8	51.3	0.51	0.40	12.9	0.179	2.03	2.5
M675064		12.0	2.3	<0.002	0.01	0.18	0.2	<1	<0.2	52.3	<0.05	<0.05	0.2	<0.005	0.03	0.9
M675065		142.0	82.3	<0.002	0.29	11.80	9.5	1	3.2	151.5	0.66	0.09	13.8	0.237	1.38	3.1
M675066		58.0	62.5	<0.002	0.29	5.50	9.7	1	2.7	249	0.72	0.07	13.9	0.234	1.14	6.1
M675067		87.4	121.5	<0.002	0.46	6.99	10.0	1	3.6	123.0	0.63	0.19	14.3	0.229	1.90	8.1
M675068		496	163.0	0.003	2.73	28.2	9.2	1	5.7	110.5	0.55	0.30	11.5	0.209	2.52	5.3
M675069		757	196.0	<0.002	1.70	6.35	8.8	1	6.5	49.2	0.49	0.63	12.7	0.188	2.63	3.1
M675070		59.9	80.1	<0.002	0.22	3.88	10.9	1	3.0	269	0.69	0.13	13.8	0.243	1.38	4.2
M675071		78.6	74.1	<0.002	0.14	3.57	10.0	1	4.0	308	0.70	0.05	14.7	0.237	1.30	4.7
M675072		13.1	57.8	<0.002	0.10	3.26	10.4	1	4.3	360	0.74	<0.05	14.1	0.236	1.05	4.0
M675073		212	153.0	<0.002	1.56	11.50	11.2	1	7.1	84.4	0.51	0.36	13.4	0.175	2.26	3.3
M675074		129.0	149.5	<0.002	0.37	3.33	10.3	1	5.8	89.9	0.59	0.08	14.9	0.202	2.68	4.3
M675075		198.0	113.5	<0.002	0.29	5.53	10.5	1	3.6	214	0.69	0.07	15.3	0.243	1.78	4.4
M675076		59.0	86.6	<0.002	0.29	5.82	10.6	1	3.1	270	0.73	0.05	14.4	0.246	1.47	3.6
M675077		1340	167.0	<0.002	4.77	62.9	9.4	1	8.0	96.4	0.56	1.05	11.2	0.210	2.57	5.4
M675078		1490	117.5	<0.002	8.16	73.0	6.2	2	5.7	51.4	0.36	1.72	7.9	0.138	1.83	2.5
M675079		19.2	100.5	<0.002	0.05	3.92	9.6	1	2.2	338	0.67	<0.05	13.9	0.238	1.06	3.4
M675080		76.6	116.5	<0.002	0.76	4.60	9.1	1	3.7	223	0.60	<0.05	12.1	0.213	1.46	3.5
M675081		31.5	88.9	<0.002	0.17	5.68	10.0	1	2.8	206	0.66	<0.05	14.6	0.227	1.21	9.1
M675082		519	115.5	<0.002	0.50	9.72	9.9	1	3.2	264	0.65	<0.05	13.3	0.239	1.59	4.4
M675083		17.9	95.9	<0.002	0.09	12.75	10.4	1	2.4	172.5	0.72	<0.05	15.1	0.252	1.10	3.4
M675084		2290	151.0	<0.002	9.23	108.5	6.6	2	7.7	29.1	0.37	1.79	8.6	0.121	1.99	2.6
M675085		6.0	2.2	<0.002	0.01	0.30	0.4	1	<0.2	41.0	<0.05	<0.05	<0.2	<0.005	0.02	0.6
M675086		39.4	145.0	<0.002	0.40	21.1	9.5	1	3.1	48.2	0.66	0.07	15.7	0.214	2.16	6.0
M675087		10.8	102.5	<0.002	0.18	15.50	10.6	1	3.1	73.8	0.70	0.07	13.7	0.231	1.47	4.1
M675088		12.4	125.0	<0.002	0.10	28.2	12.0	1	1.8	60.0	0.69	0.10	16.1	0.264	1.56	3.5
M675089		205	206	<0.002	0.40	11.95	10.3	1	2.3	29.3	0.60	0.26	13.8	0.228	2.96	4.8
M675090		233	217	<0.002	0.40	11.60	10.3	1	2.3	31.3	0.58	0.19	13.9	0.227	2.94	4.7
M675091		>10000	48.3	<0.002	1.54	78.8	3.8	<1	0.9	27.8	0.05	0.42	1.7	0.032	0.90	4.1
M675092		349	206	<0.002	0.57	10.70	10.1	1	2.1	29.6	0.51	0.26	13.3	0.201	3.00	4.0
M675093		463	208	<0.002	0.76	6.07	11.9	1	2.1	46.3	0.51	0.09	14.3	0.224	3.13	3.5
M675094		649	190.0	<0.002	1.13	13.20	10.2	<1	2.9	51.7	0.46	<0.05	12.3	0.182	2.58	3.2

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 4-AUG-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15105501

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Pb-OG62	Zn-OG62	As-OG62
	Analyte	V	W	Y	Zn	Zr	Pb	Zn	As
	Units	ppm	ppm	ppm	ppm	ppm	%	%	%
	LOR	1	0.1	0.1	2	0.5	0.001	0.001	0.001
M675059		25	1.8	7.9	6500	10.1			
M675060		73	1.2	17.5	73	28.6			
M675061		78	4.8	15.9	313	34.0			
M675062		65	1.9	9.6	825	28.6			
M675063		87	3.9	12.2	1220	23.3			
M675064		3	0.1	0.9	29	<0.5			
M675065		68	1.8	17.3	312	27.4			
M675066		70	1.6	15.9	302	27.4			
M675067		73	2.0	15.0	1380	24.9			
M675068		68	5.8	12.3	895	30.5			
M675069		55	3.7	13.0	1260	21.1			
M675070		67	0.9	16.2	67	27.1			
M675071		64	1.1	16.6	239	28.5			
M675072		67	0.8	15.7	50	28.3			
M675073		91	4.5	21.5	476	19.9			
M675074		49	2.7	17.2	630	18.3			
M675075		64	1.9	18.5	415	23.0			
M675076		66	1.0	18.1	144	27.8			
M675077		64	6.2	11.8	2460	30.8			
M675078		41	2.7	15.9	>10000	14.3		1.085	0.975
M675079		65	1.1	16.8	47	26.8			
M675080		63	0.9	21.4	394	24.4			
M675081		62	1.1	18.8	122	25.4			
M675082		69	1.8	17.5	746	25.8			
M675083		69	2.6	19.0	55	28.4			
M675084		41	2.3	8.9	4570	16.5			
M675085		4	0.1	0.8	23	<0.5			
M675086		59	1.3	16.9	87	24.7			
M675087		69	1.9	15.9	39	28.5			
M675088		72	4.0	15.2	70	33.4			
M675089		63	4.2	13.9	165	30.1			
M675090		64	4.1	14.1	187	31.0			
M675091		43	1.6	6.5	2280	3.8	2.58		
M675092		75	3.7	12.8	581	28.1			
M675093		78	4.4	14.0	1210	29.8			
M675094		74	5.6	10.2	1440	26.2			

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: KLAZA

Finalized Date: 4-AUG-2015
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH15105501

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

As-OG62	Au-AA24	ME-MS61	ME-OG62
Pb-OG62	Zn-OG62		

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 5-AUG-2015
Account: ROCKHA

CERTIFICATE WH15106819

Project: KLAZA

P.O. No.: BATCH 64

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 22-JUL-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21d	Sample logging - ClientBarCode Dup
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
BAG-06	Double Bagging Coarse Rejects
SPL-21d	Split sample - duplicate
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31d	Pulverize Split - duplicate

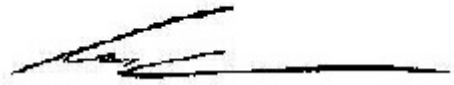
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.

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VANCOUVER BC V6B 1L8

Finalized Date: 5-AUG-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15106819

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
M675095		12.87	0.013	1.54	6.85	54.2	1340	1.31	0.89	1.47	4.75	44.8	5.0	9	7.08	17.9
M675096		5.63	0.018	3.73	7.82	60.2	1810	1.58	1.59	0.96	0.56	27.8	10.8	10	5.78	2.4
M675097		8.84	0.006	0.60	6.46	41.0	1410	1.42	0.59	1.78	0.96	79.4	9.7	9	13.15	3.6
M675098		5.00	0.019	1.75	3.93	60.7	1970	0.98	1.34	5.36	1.30	31.9	23.9	6	24.3	4.8
M675099		5.20	0.041	1.77	3.92	489	1770	1.44	1.21	2.36	2.40	50.7	20.8	6	23.7	7.8
M675100		<0.02	0.038	1.77	4.18	481	1600	1.52	1.20	2.40	2.13	54.0	21.7	8	24.7	8.2
M675101		6.99	0.047	2.46	3.46	232	620	1.05	1.31	2.83	4.36	36.4	22.5	6	15.75	13.6
M675102		4.49	0.023	1.38	2.42	93.8	1210	0.54	1.02	0.26	5.89	22.6	22.0	14	5.99	12.0
M675103		0.29	0.370	4.65	6.88	754	550	1.43	3.64	2.10	9.53	51.3	11.6	26	13.00	328
M675104		13.24	0.047	1.97	2.98	85.3	380	0.63	1.18	0.36	5.74	36.2	72.2	12	4.46	21.3
M675105		9.49	0.027	2.09	4.44	87.5	670	1.00	1.15	0.74	11.75	53.7	32.3	11	6.43	34.3
M675106		8.62	0.021	2.72	3.04	54.9	2940	0.75	0.75	1.05	17.70	83.2	17.5	12	4.86	118.5
M675107		5.48	0.150	7.34	3.33	205	880	0.67	0.70	1.38	115.5	31.4	8.3	8	3.98	64.2
M675108		5.41	<0.005	0.03	0.05	0.8	30	0.05	0.04	21.0	0.28	1.44	0.7	1	0.16	2.9
M675109		5.05	1.055	20.7	4.50	709	950	1.42	0.57	3.46	80.3	38.7	6.3	4	12.20	71.2
M675110		3.38	4.40	19.80	3.75	765	480	2.01	0.40	9.64	50.5	24.1	3.8	2	10.10	64.2
M675111		7.04	0.039	0.55	6.64	38.6	370	2.89	0.17	1.29	1.65	16.80	0.2	1	23.6	2.8
M675112		5.96	0.008	0.19	6.34	16.9	190	3.67	0.17	1.58	0.45	13.90	0.2	1	26.1	2.5
M675113		2.76	<0.005	0.10	6.17	14.0	200	3.90	0.12	1.60	0.18	12.80	0.2	1	25.3	3.5
M675114		9.11	0.010	0.27	6.48	29.4	540	2.64	0.21	0.44	4.95	18.45	0.2	<1	27.9	2.9
M675115		1.27	0.715	15.55	6.65	723	390	2.03	2.38	0.10	3.66	34.0	2.4	4	22.8	38.2
M675116		4.78	0.141	5.70	6.43	253	1000	1.54	1.77	2.04	19.75	71.7	21.7	8	7.41	20.5
M675117		8.06	0.010	0.91	7.30	21.4	1630	1.68	0.32	1.92	1.60	55.7	5.0	9	13.00	3.3
M675118		12.02	<0.005	0.46	7.80	16.1	1790	1.71	0.23	1.30	1.87	61.1	4.2	9	16.25	3.7
M675119		9.21	0.043	7.22	7.76	67.1	1290	1.60	0.59	0.85	29.3	52.4	3.0	8	13.50	37.4
M675120		0.29	0.801	12.00	6.88	1650	1220	1.46	12.05	1.92	29.8	49.8	17.2	20	13.55	303
M675121		8.68	0.323	8.00	5.53	161.5	690	1.35	4.59	0.39	16.40	100.0	82.6	7	13.25	17.4
M675122		6.06	<0.005	0.06	0.08	3.6	30	0.06	0.05	21.6	0.16	1.48	0.9	1	0.33	1.7
M675123		7.40	0.094	3.35	6.82	28.0	2210	1.10	0.84	1.03	22.5	51.7	23.5	7	23.7	19.4
M675124		7.06	0.125	5.08	7.42	34.9	2060	1.21	0.45	1.22	31.2	56.8	11.7	8	13.60	20.2
M675125		9.16	<0.005	0.56	8.17	13.3	2740	1.38	0.17	1.97	4.16	53.9	4.0	8	11.35	8.7
M675126		2.37	0.017	9.25	7.61	30.1	2140	1.49	0.24	2.13	41.0	56.0	3.4	8	14.15	20.6
M675127		8.71	0.283	33.4	7.38	128.5	2040	1.53	0.31	1.73	49.8	48.1	4.8	8	13.45	45.5
M675128		5.11	<0.005	0.36	7.52	27.1	1830	1.82	0.22	2.36	1.07	54.8	3.4	8	13.25	3.3
M675129		6.92	0.041	4.20	7.18	42.4	2210	1.78	0.43	2.40	27.4	69.2	10.3	7	39.4	24.7
M675130		2.54	<0.005	0.15	7.40	15.7	2130	1.67	0.21	3.31	0.23	51.1	3.8	7	11.55	2.2

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 5-AUG-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15106819

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
M675095		3.78	15.25	0.13	1.0	0.161	3.20	27.2	8.5	0.73	3250	0.52	0.05	5.2	2.1	520
M675096		2.03	15.30	0.13	1.1	0.069	3.57	15.8	10.1	0.40	1330	0.60	0.07	7.2	1.7	620
M675097		2.88	15.40	0.14	1.1	0.069	2.50	45.2	27.2	0.43	1680	0.75	0.04	6.4	2.8	520
M675098		2.20	8.92	0.09	0.7	0.060	1.60	18.8	28.7	0.37	1120	1.60	0.04	4.0	3.2	320
M675099		2.92	8.88	0.11	0.7	0.086	1.40	30.7	32.3	0.44	1640	2.34	0.04	3.5	2.7	280
M675100		2.97	9.26	0.12	0.7	0.083	1.48	33.1	33.1	0.44	1620	2.57	0.04	3.6	3.0	300
M675101		3.32	8.74	0.09	0.7	0.163	1.45	22.4	21.3	0.33	1540	2.32	0.03	3.6	2.5	290
M675102		3.16	6.84	0.07	0.4	0.070	1.02	13.7	8.3	0.17	1060	1.37	0.03	1.5	2.9	180
M675103		5.14	15.50	0.12	1.1	0.321	3.02	29.4	24.9	0.80	1970	13.60	0.16	6.0	14.8	550
M675104		4.08	9.02	0.08	0.4	0.133	1.23	22.8	8.0	0.32	1500	1.53	0.05	1.8	3.1	270
M675105		4.85	11.80	0.11	0.6	0.186	2.12	32.8	8.0	0.52	2220	1.16	0.04	2.8	2.9	320
M675106		3.07	8.87	0.12	0.4	0.166	1.35	51.6	8.4	0.50	1520	1.39	0.02	1.9	2.0	180
M675107		3.68	10.85	0.08	0.5	0.395	1.22	18.2	11.8	0.70	2170	5.19	0.07	2.2	1.7	370
M675108		0.49	0.20	0.11	<0.1	<0.005	0.02	0.7	0.9	13.25	221	0.38	<0.01	0.1	1.5	160
M675109		5.31	10.65	0.09	0.9	0.296	1.76	20.7	17.5	1.29	7190	8.23	0.03	6.0	1.8	330
M675110		4.52	9.17	0.07	0.9	0.176	1.49	12.8	16.8	3.66	6170	2.89	0.02	6.5	0.9	210
M675111		0.60	19.95	0.13	3.3	0.023	2.19	7.1	55.7	0.29	630	1.29	0.04	26.3	<0.2	30
M675112		0.51	20.3	0.13	3.5	0.030	2.16	5.7	63.7	0.28	731	2.45	0.04	28.0	<0.2	30
M675113		0.49	20.0	0.13	3.3	0.026	2.16	5.1	69.1	0.26	727	2.67	0.04	25.7	<0.2	20
M675114		0.47	18.95	0.17	3.0	0.022	2.19	8.3	36.7	0.19	375	5.33	0.03	21.5	0.2	40
M675115		3.84	16.70	0.15	2.0	0.236	2.52	18.0	33.8	0.19	122	16.05	0.03	15.3	0.7	270
M675116		4.42	15.75	0.17	1.3	0.260	2.97	44.1	13.7	0.84	2930	1.74	0.05	6.1	2.8	490
M675117		3.19	16.65	0.17	1.4	0.073	3.36	30.3	53.7	0.65	1160	1.23	0.09	7.8	1.7	600
M675118		3.30	17.35	0.14	1.4	0.084	2.97	33.1	106.0	0.56	1150	0.83	0.07	7.9	2.3	650
M675119		3.91	16.30	0.16	1.3	0.133	3.52	31.0	29.7	0.60	1740	0.74	0.06	7.6	2.0	570
M675120		6.90	15.90	0.15	1.2	0.823	3.02	27.2	21.0	0.80	1900	9.40	0.14	6.4	13.4	570
M675121		5.42	14.40	0.11	1.1	0.220	2.52	56.3	17.9	0.40	996	7.93	0.04	6.2	6.8	460
M675122		0.52	0.27	0.23	<0.1	0.007	0.03	0.7	1.1	13.60	244	0.32	<0.01	0.2	1.8	180
M675123		3.82	14.90	0.12	1.1	0.083	2.65	27.4	20.7	0.65	1610	3.00	0.04	6.3	3.0	500
M675124		4.53	15.70	0.10	1.1	0.116	3.23	30.2	19.5	0.73	2080	1.23	0.06	7.0	2.1	560
M675125		3.75	17.45	0.14	1.4	0.058	3.63	27.8	19.5	0.61	1020	1.08	0.17	8.4	2.0	650
M675126		3.55	16.80	0.14	1.2	0.101	3.51	28.8	23.6	0.80	1570	1.01	0.08	7.2	1.9	570
M675127		4.34	16.40	0.13	1.2	0.141	3.16	24.4	26.3	0.84	1880	1.85	0.05	7.2	2.4	550
M675128		3.37	17.75	0.15	1.4	0.059	2.98	27.6	38.1	0.58	1620	1.09	0.06	8.2	1.8	610
M675129		4.22	16.05	0.16	1.1	0.091	2.61	36.4	30.2	0.78	1990	0.53	0.05	5.9	3.0	540
M675130		2.86	17.05	0.18	1.2	0.040	3.19	26.1	19.3	0.60	1060	0.60	0.47	8.3	1.8	600

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To: **ROCKHAVEN RESOURCES LTD.**
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VANCOUVER BC V6B 1L8

Finalized Date: 5-AUG-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15106819

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
M675095		121.0	194.5	<0.002	0.43	10.75	9.2	1	2.9	26.8	0.46	0.25	12.8	0.194	2.98	2.4
M675096		62.3	209	<0.002	0.38	13.45	8.6	1	2.0	34.0	0.59	1.01	14.0	0.235	3.28	3.5
M675097		44.2	136.0	<0.002	0.37	26.9	9.1	1	1.8	71.5	0.56	0.13	11.7	0.215	2.42	4.2
M675098		117.0	103.0	<0.002	0.85	40.0	6.5	1	1.5	148.5	0.32	0.55	8.0	0.130	1.53	4.6
M675099		107.0	90.3	<0.002	0.90	52.6	7.1	1	1.9	80.0	0.30	0.60	7.7	0.121	1.47	6.8
M675100		105.0	95.2	0.002	0.91	51.5	7.5	1	2.0	80.4	0.33	0.62	8.1	0.128	1.51	7.0
M675101		451	92.9	<0.002	1.20	36.9	5.7	1	2.4	72.2	0.30	0.32	7.9	0.121	1.35	6.9
M675102		184.0	62.1	<0.002	0.99	12.30	3.9	1	1.3	25.4	0.13	0.26	4.0	0.063	1.02	3.9
M675103		505	162.5	0.004	2.76	29.3	9.4	1	5.8	113.0	0.53	0.45	11.7	0.211	2.66	5.3
M675104		408	80.1	<0.002	1.72	11.50	6.5	1	1.5	22.7	0.17	0.26	5.2	0.075	1.22	2.6
M675105		377	138.0	<0.002	1.64	7.55	6.9	1	2.2	21.1	0.25	0.18	7.0	0.107	2.13	3.1
M675106		704	87.4	<0.002	0.66	11.45	3.8	1	1.6	42.3	0.16	0.17	5.2	0.072	1.29	3.9
M675107		1660	79.1	<0.002	1.85	20.5	8.1	1	5.9	46.8	0.21	0.05	5.7	0.090	1.17	3.0
M675108		6.2	1.2	<0.002	<0.01	0.11	0.2	1	<0.2	48.5	<0.05	<0.05	<0.2	<0.005	0.02	0.6
M675109		7680	110.5	<0.002	1.46	60.4	6.4	1	4.0	118.0	0.44	0.06	8.3	0.150	2.38	6.2
M675110		6260	93.8	<0.002	1.28	46.9	4.2	1	2.6	343	0.62	<0.05	7.5	0.101	1.70	4.5
M675111		228	141.5	<0.002	0.05	6.69	3.0	<1	2.9	88.4	2.74	<0.05	19.7	0.036	1.81	6.6
M675112		76.0	139.0	<0.002	0.05	4.45	2.9	1	2.9	115.5	2.88	<0.05	18.2	0.034	1.80	10.0
M675113		55.4	132.5	<0.002	0.04	4.15	2.8	1	3.0	117.5	2.78	<0.05	16.6	0.034	1.67	9.2
M675114		102.5	156.5	<0.002	0.06	9.57	2.9	1	2.5	59.6	2.65	<0.05	22.1	0.032	1.98	7.5
M675115		4440	162.0	<0.002	2.42	43.3	6.5	1	4.7	82.8	1.21	0.09	14.5	0.146	3.00	10.6
M675116		995	180.0	<0.002	2.14	10.60	9.1	<1	3.5	58.6	0.58	1.04	11.7	0.179	2.85	7.0
M675117		90.8	156.5	<0.002	0.35	8.11	10.4	1	2.2	198.0	0.77	0.16	13.5	0.239	2.52	5.5
M675118		106.0	142.0	<0.002	0.15	13.70	11.1	1	2.2	194.5	0.70	0.06	14.8	0.255	2.27	6.1
M675119		2260	197.5	<0.002	0.77	16.50	10.4	1	3.3	90.2	0.68	<0.05	14.5	0.240	3.06	5.2
M675120		1355	177.5	<0.002	4.84	67.7	10.0	1	8.4	103.5	0.59	1.22	11.8	0.222	2.89	5.4
M675121		1125	165.0	0.003	4.07	38.6	7.8	1	5.6	62.7	0.46	1.23	10.9	0.173	2.28	16.2
M675122		8.7	2.2	<0.002	0.01	0.20	0.2	<1	<0.2	52.0	<0.05	<0.05	0.2	<0.005	0.03	0.9
M675123		1055	164.0	<0.002	0.94	19.05	8.9	1	2.3	45.5	0.49	0.23	13.6	0.192	2.54	3.7
M675124		1445	175.5	<0.002	0.96	14.25	9.6	<1	2.5	68.7	0.58	0.08	14.6	0.218	2.69	3.2
M675125		232	173.0	<0.002	0.18	10.05	11.2	1	2.4	105.5	0.67	<0.05	16.7	0.253	2.38	4.0
M675126		4340	184.5	<0.002	0.40	14.85	11.0	1	2.2	89.8	0.59	<0.05	15.0	0.223	2.91	3.1
M675127		9760	195.5	<0.002	1.12	32.9	10.7	1	2.3	71.3	0.57	<0.05	14.4	0.213	3.08	3.7
M675128		85.2	156.5	<0.002	0.30	10.70	11.6	1	1.9	99.9	0.68	<0.05	16.9	0.239	2.69	4.1
M675129		1425	141.5	0.002	0.74	15.10	10.1	1	2.3	84.8	0.51	0.09	15.2	0.184	2.28	5.9
M675130		24.0	152.0	<0.002	0.26	6.11	11.4	<1	1.9	160.0	0.66	<0.05	15.7	0.248	2.27	5.0

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Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	V	W	Y	Zn	Zr
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	1	0.1	0.1	2	0.5
M675095		64	3.6	9.5	562	28.3
M675096		60	3.3	10.3	101	31.3
M675097		69	2.7	13.0	198	29.5
M675098		50	3.1	12.1	135	19.1
M675099		56	3.3	11.5	263	19.4
M675100		59	3.5	11.8	250	21.2
M675101		48	4.4	10.4	457	19.3
M675102		40	2.6	4.0	491	10.1
M675103		71	5.9	12.1	899	30.5
M675104		61	3.2	4.4	477	11.0
M675105		58	3.9	5.9	1020	15.6
M675106		48	3.3	5.8	1100	11.1
M675107		73	4.2	5.5	7190	15.6
M675108		2	0.1	0.7	34	<0.5
M675109		45	4.4	15.0	6440	24.3
M675110		27	2.9	11.9	3990	21.9
M675111		1	1.6	12.2	185	59.6
M675112		1	1.7	13.3	108	61.8
M675113		1	1.6	12.4	95	59.4
M675114		1	1.5	13.0	287	49.6
M675115		41	7.7	9.7	747	42.7
M675116		72	5.7	12.7	1980	32.8
M675117		71	3.2	14.8	260	37.4
M675118		72	4.4	14.9	290	36.7
M675119		66	5.4	11.0	2450	35.3
M675120		67	6.5	11.8	2510	31.4
M675121		63	6.8	13.1	1160	26.3
M675122		2	0.1	0.8	26	<0.5
M675123		73	3.3	11.3	1500	27.5
M675124		64	3.2	11.4	2100	27.9
M675125		72	2.4	14.5	318	35.6
M675126		68	2.1	14.4	2510	31.6
M675127		65	2.9	12.5	2930	30.7
M675128		68	2.3	15.0	185	34.2
M675129		66	3.5	13.2	2010	30.5
M675130		68	2.2	14.9	61	32.7

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C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: KLAZA

Finalized Date: 5-AUG-2015
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH15106819

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	ME-MS61

ALS Canada Ltd.

2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 5-AUG-2015
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CERTIFICATE WH15106825

Project: KLAZA

P.O. No.: BATCH 65

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 22-JUL-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21d	Sample logging - ClientBarCode Dup
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
BAG-06	Double Bagging Coarse Rejects
SPL-21d	Split sample - duplicate
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31d	Pulverize Split - duplicate

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
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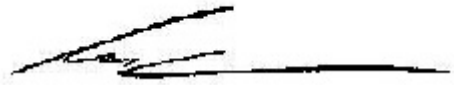
This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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CERTIFICATE OF ANALYSIS WH15106825

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
R610371		6.91	<0.005	0.10	8.14	7.2	2270	2.11	0.17	2.45	0.10	59.7	10.0	10	19.00	6.9
R610372		11.50	<0.005	0.09	7.74	14.6	2350	1.42	0.15	1.94	0.09	48.3	7.6	14	20.0	5.7
R610373		<0.02	<0.005	0.09	8.03	15.3	2380	1.39	0.11	1.95	0.07	56.0	7.4	10	21.2	5.8
R610374		2.73	0.528	9.66	7.18	3540	1000	1.43	0.26	1.72	7.36	45.7	10.2	11	11.85	142.0
R610375		10.18	0.007	0.12	7.80	14.0	2370	1.77	0.12	2.85	0.24	61.2	9.6	12	16.60	7.4
R610376		2.52	0.045	0.13	7.80	12.6	2450	1.61	0.12	2.91	0.20	58.8	9.3	12	14.70	12.3
R610377		5.41	<0.005	0.13	7.66	16.7	2100	1.64	0.11	2.61	0.37	57.2	9.6	11	19.35	7.8
R610378		1.87	0.021	0.54	7.21	202	2320	1.82	0.12	3.47	0.49	50.9	10.1	9	29.9	7.4
R610379		0.29	0.348	4.52	7.08	753	870	1.54	3.54	2.12	11.15	53.8	13.3	24	14.70	323
R610380		9.43	0.011	0.34	7.63	58.0	1320	1.77	0.34	2.59	1.05	57.5	9.8	10	26.2	9.9
R610381		1.67	0.125	3.07	7.35	372	1570	2.10	0.37	1.64	7.15	60.5	12.1	13	29.2	23.1
R610382		8.79	0.006	1.21	7.97	56.9	1390	2.20	0.20	2.84	1.97	81.7	7.0	15	33.9	12.6
R610383		6.24	<0.005	0.17	7.97	10.4	2220	1.93	0.27	3.18	0.24	60.8	8.9	13	18.95	17.5
R610384		7.60	<0.005	0.21	7.75	8.8	2540	1.84	0.29	3.02	0.40	55.2	9.7	13	18.60	16.8
R610385		3.12	0.005	0.18	8.08	17.1	2580	1.70	0.31	2.58	0.10	60.7	10.2	12	15.45	27.0
R610386		1.18	0.083	1.28	7.40	519	1560	1.54	0.32	4.08	2.01	53.5	8.6	9	15.55	42.1
R610387		2.53	<0.005	0.24	8.05	21.1	2080	1.84	0.31	2.45	0.86	56.0	8.7	11	23.7	11.6
R610388		1.52	0.588	14.70	7.22	1015	660	1.45	0.31	2.03	9.78	59.7	10.0	10	12.85	218
R610389		4.80	0.008	0.59	7.47	109.5	1000	1.75	0.26	3.26	0.93	50.6	8.3	8	24.7	7.5
R610390		1.42	1.445	15.05	6.60	3030	1000	1.36	0.21	1.96	10.35	58.8	8.0	8	14.40	218
R610391		5.76	<0.005	0.06	0.11	7.9	40	0.08	0.03	21.7	0.11	1.62	0.9	1	0.73	2.5
R610392		3.80	<0.005	0.16	7.15	11.7	2080	1.53	0.30	2.93	0.16	53.0	8.7	12	17.65	8.0
R610393		8.31	<0.005	0.12	7.43	8.5	2120	1.41	0.25	3.17	0.09	57.3	9.3	11	26.0	8.5
R610394		5.44	<0.005	0.22	7.49	21.0	1870	1.58	0.27	2.93	0.18	58.3	9.0	10	23.1	21.2
R610395		5.60	<0.005	0.19	7.63	13.7	2410	1.57	0.40	2.83	0.27	54.4	9.6	11	21.9	7.4
R610396		0.29	0.945	11.90	6.84	1630	1150	1.47	11.30	1.93	34.0	48.8	18.9	19	14.75	295
R610397		4.37	<0.005	0.13	7.62	10.4	2030	1.26	0.47	2.40	0.24	44.3	7.9	11	26.1	11.5
R610398		1.19	0.137	1.12	6.92	139.0	740	1.38	0.41	2.78	0.79	41.1	8.4	8	13.30	28.2
R610399		5.07	<0.005	0.01	0.12	0.7	80	0.05	0.03	21.1	0.08	1.49	0.8	1	0.34	1.9
R610400		7.33	0.010	0.37	7.53	49.4	1250	1.35	0.53	2.46	0.38	48.1	7.3	12	19.70	21.8
R610401		4.93	0.031	1.06	7.29	52.6	2030	1.61	0.22	3.29	1.26	59.8	7.0	17	22.6	17.2
R610402		5.95	0.006	0.92	7.14	48.7	1700	1.38	0.12	3.13	0.73	64.2	8.5	26	27.0	16.8
R610403		3.60	0.363	5.66	6.93	701	720	1.25	0.43	1.94	9.64	44.4	7.7	9	11.80	17.6
R610404		2.31	<0.005	0.16	7.03	20.3	1510	1.33	0.47	2.53	0.16	43.7	7.4	11	15.90	7.8
R610405		1.69	0.013	0.66	7.22	267	1430	1.46	0.51	2.62	0.42	45.9	8.2	9	22.6	16.9
R610406		5.52	<0.005	0.08	7.46	15.9	2340	1.56	0.38	2.81	0.18	48.2	7.8	11	11.95	11.0

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CERTIFICATE OF ANALYSIS WH15106825

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
R610371		4.01	17.15	0.17	1.1	0.043	2.89	30.0	36.0	1.04	737	0.63	0.43	8.6	3.1	680
R610372		2.85	17.00	0.17	1.1	0.036	2.94	22.7	40.0	0.59	816	0.59	0.27	8.5	2.6	670
R610373		2.86	17.95	0.18	1.1	0.041	2.96	27.6	42.9	0.61	826	0.62	0.27	9.0	2.5	700
R610374		5.29	16.25	0.09	1.0	0.249	3.37	21.6	15.4	0.69	7820	0.62	0.04	7.4	3.1	580
R610375		3.30	17.95	0.16	1.1	0.045	2.81	29.9	26.0	0.89	977	1.36	1.79	8.9	3.0	690
R610376		3.27	17.20	0.19	1.2	0.043	2.79	29.0	23.2	0.90	952	1.29	1.70	8.7	2.8	680
R610377		3.43	17.70	0.18	1.1	0.046	2.84	28.3	37.3	0.86	1260	1.15	0.14	8.4	2.7	690
R610378		3.04	14.90	0.17	1.0	0.034	2.86	26.4	27.3	1.23	1720	1.17	0.07	7.4	3.0	590
R610379		5.21	16.00	0.15	1.1	0.318	3.11	28.0	27.9	0.82	1980	14.80	0.16	6.6	15.1	540
R610380		3.20	16.60	0.16	1.1	0.050	2.71	29.0	72.0	1.00	1340	0.86	0.06	8.4	3.0	680
R610381		3.46	16.65	0.15	1.9	0.109	2.33	30.6	49.4	0.80	2380	3.12	0.04	9.0	5.2	790
R610382		2.64	19.50	0.22	2.6	0.034	3.10	41.0	52.8	0.95	1380	1.79	0.07	12.5	3.5	950
R610383		3.24	17.90	0.21	1.3	0.051	2.98	31.2	24.0	0.87	1030	1.89	1.78	9.2	3.0	650
R610384		3.27	18.20	0.20	1.1	0.049	2.76	26.7	18.0	0.89	996	0.98	2.14	9.1	3.1	660
R610385		3.31	18.40	0.21	1.1	0.053	3.13	29.4	24.1	0.89	1080	3.13	1.41	9.2	3.2	700
R610386		4.06	15.90	0.17	0.9	0.129	3.74	27.9	23.7	1.12	6900	1.62	0.11	7.6	2.8	590
R610387		3.08	18.25	0.17	1.2	0.048	3.30	27.3	48.0	0.77	1880	0.63	0.55	9.0	2.8	690
R610388		4.47	15.20	0.15	0.9	0.236	3.43	30.4	13.1	0.66	9690	1.19	0.05	7.1	3.1	560
R610389		2.75	16.15	0.18	1.0	0.041	2.73	26.3	46.0	1.16	2670	4.40	0.03	7.9	2.9	590
R610390		4.07	14.65	0.14	1.0	0.396	3.14	30.1	16.6	0.68	13250	1.65	0.03	7.1	2.7	560
R610391		0.52	0.36	0.28	<0.1	0.006	0.05	0.8	1.8	13.60	278	0.12	<0.01	0.2	1.7	200
R610392		3.17	16.60	0.20	1.3	0.040	2.71	24.7	51.2	0.82	1150	1.35	1.47	8.6	2.8	620
R610393		3.19	17.85	0.20	1.4	0.047	2.82	27.3	21.8	0.85	906	1.01	0.97	9.3	3.0	660
R610394		3.35	17.05	0.21	1.3	0.114	3.13	27.9	28.4	0.89	2030	0.94	0.72	9.0	2.8	670
R610395		3.53	17.05	0.22	1.1	0.042	2.81	27.1	20.1	0.90	876	0.88	1.21	9.0	3.4	690
R610396		6.76	15.75	0.12	1.1	0.827	2.97	23.6	18.0	0.80	1900	9.03	0.13	6.7	12.5	570
R610397		2.87	17.25	0.12	1.0	0.038	2.51	21.5	60.6	0.69	1310	1.14	0.08	8.5	7.3	690
R610398		3.54	15.65	0.10	0.9	0.186	3.29	21.6	13.2	0.86	9480	0.99	0.03	7.1	2.9	560
R610399		0.51	0.35	0.22	<0.1	0.005	0.04	0.7	1.2	13.30	244	0.13	<0.01	0.3	1.6	210
R610400		3.20	16.05	0.14	1.1	0.060	3.06	25.5	63.7	0.91	2250	1.54	0.06	7.9	2.6	650
R610401		2.54	16.90	0.16	3.4	0.041	2.34	31.5	48.4	1.25	1270	1.90	0.05	10.0	6.2	1070
R610402		2.98	16.75	0.14	3.9	0.037	2.18	33.3	92.9	1.19	1060	2.15	0.05	10.3	10.2	1540
R610403		4.08	15.25	0.11	1.1	0.135	3.16	24.2	15.8	0.75	2530	1.31	0.03	7.0	3.5	550
R610404		2.88	16.50	0.13	1.2	0.046	2.76	21.8	50.9	0.73	1120	0.86	0.31	8.2	2.8	640
R610405		2.94	17.95	0.15	1.1	0.045	2.89	22.3	33.2	0.45	780	1.08	0.74	9.0	3.0	700
R610406		3.11	17.25	0.14	1.1	0.041	2.66	24.2	13.1	0.71	632	0.72	2.15	8.5	3.3	650

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Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
R610371		21.3	133.5	<0.002	0.03	6.23	13.6	1	1.7	236	0.64	<0.05	14.8	0.287	1.43	3.7
R610372		17.0	122.5	<0.002	0.05	11.10	13.0	1	1.6	148.0	0.63	<0.05	12.7	0.293	1.66	4.0
R610373		17.0	133.5	<0.002	0.05	11.65	14.0	<1	1.8	150.5	0.66	<0.05	14.0	0.297	1.65	4.2
R610374		508	248	<0.002	3.45	83.2	11.6	1	3.7	61.2	0.54	<0.05	11.9	0.255	3.25	4.4
R610375		23.3	127.0	<0.002	0.06	4.22	14.1	<1	1.9	373	0.66	<0.05	14.2	0.293	1.46	4.0
R610376		22.0	123.5	<0.002	0.05	4.10	13.4	1	2.5	363	0.62	<0.05	13.8	0.299	1.38	4.1
R610377		19.8	138.5	<0.002	0.13	14.00	13.6	1	2.1	148.5	0.63	<0.05	13.0	0.288	1.85	4.3
R610378		20.0	165.0	<0.002	0.27	18.15	11.7	<1	1.6	187.5	0.54	<0.05	11.5	0.257	2.99	5.0
R610379		507	176.0	0.004	2.80	30.6	10.2	1	6.1	116.0	0.53	0.29	12.4	0.211	2.74	5.7
R610380		36.2	133.0	<0.002	0.24	16.45	13.1	1	1.9	180.0	0.63	<0.05	13.1	0.281	2.20	4.1
R610381		299	135.0	<0.002	1.04	40.0	9.8	1	2.2	252	0.61	<0.05	11.4	0.273	2.43	9.3
R610382		214	136.5	<0.002	0.15	12.55	7.4	1	2.1	270	0.82	<0.05	12.8	0.273	2.34	8.7
R610383		25.0	146.5	<0.002	0.03	4.50	13.1	1	1.9	376	0.77	<0.05	16.1	0.278	1.60	5.8
R610384		41.8	126.0	<0.002	0.07	2.69	13.4	1	2.5	437	0.75	<0.05	14.4	0.289	1.30	5.0
R610385		21.3	145.5	<0.002	0.12	6.42	14.6	1	1.8	319	0.70	<0.05	14.5	0.295	1.61	4.6
R610386		73.7	239	<0.002	1.92	21.9	11.9	1	2.0	138.5	0.55	<0.05	11.6	0.257	2.96	4.4
R610387		68.7	144.5	<0.002	0.07	10.40	13.4	1	1.8	210	0.67	<0.05	13.2	0.302	2.17	4.0
R610388		281	249	<0.002	3.68	72.6	11.4	1	2.1	48.9	0.51	<0.05	11.0	0.246	3.25	4.1
R610389		35.9	154.5	0.002	0.28	14.65	12.0	1	1.6	183.5	0.59	<0.05	12.7	0.256	2.87	7.7
R610390		346	211	<0.002	2.69	91.8	10.7	1	2.6	154.0	0.59	<0.05	12.1	0.235	3.10	6.5
R610391		3.4	3.9	<0.002	<0.01	0.42	0.2	<1	<0.2	54.8	<0.05	<0.05	0.2	<0.005	0.04	0.8
R610392		19.7	118.0	<0.002	0.04	4.84	12.1	1	1.8	322	0.71	<0.05	15.4	0.273	1.43	5.6
R610393		19.9	135.5	<0.002	0.02	6.43	12.9	1	2.1	271	0.82	<0.05	15.9	0.288	1.56	5.2
R610394		19.6	163.5	<0.002	0.11	10.90	12.8	1	1.9	226	0.82	<0.05	15.2	0.279	1.93	5.7
R610395		23.6	136.5	<0.002	0.04	7.20	13.4	1	1.9	303	0.69	<0.05	13.6	0.292	1.56	3.7
R610396		1330	178.5	0.002	4.82	67.0	10.1	2	8.3	102.5	0.54	1.18	11.7	0.215	2.75	5.7
R610397		21.2	90.5	<0.002	0.11	13.40	12.2	1	1.7	178.5	0.61	<0.05	11.0	0.294	1.53	2.8
R610398		68.9	202	<0.002	2.18	23.1	10.7	1	1.8	82.9	0.53	<0.05	9.7	0.247	3.12	7.4
R610399		2.1	1.8	<0.002	<0.01	0.16	0.3	<1	<0.2	53.3	<0.05	<0.05	<0.2	0.008	0.02	0.7
R610400		35.0	148.5	<0.002	0.42	18.85	10.9	1	2.0	155.0	0.60	<0.05	11.6	0.279	2.53	6.7
R610401		101.5	129.5	<0.002	0.24	37.9	6.3	1	1.4	806	0.68	<0.05	9.1	0.291	2.89	8.6
R610402		63.5	93.0	<0.002	0.12	37.9	6.8	1	1.3	701	0.69	<0.05	7.8	0.377	2.27	6.1
R610403		1335	182.0	<0.002	3.15	33.7	9.6	<1	2.8	70.5	0.53	<0.05	11.1	0.236	3.26	19.9
R610404		19.7	109.5	<0.002	0.08	10.00	11.4	1	1.9	169.0	0.68	<0.05	12.9	0.276	2.05	5.1
R610405		24.6	121.0	<0.002	0.08	9.53	12.8	1	2.5	160.5	0.67	<0.05	11.9	0.297	2.21	3.3
R610406		18.5	108.0	<0.002	0.01	2.27	12.0	<1	1.9	379	0.70	<0.05	12.6	0.281	1.23	2.0

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
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Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 5-AUG-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15106825

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	V	W	Y	Zn	Zr
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	1	0.1	0.1	2	0.5
R610371		84	4.0	17.7	65	26.4
R610372		83	2.8	15.7	52	27.9
R610373		84	2.9	17.1	52	28.2
R610374		72	4.6	12.0	658	23.7
R610375		86	2.6	19.1	79	26.7
R610376		85	2.6	19.1	73	27.6
R610377		88	2.9	18.9	86	26.6
R610378		77	9.6	15.9	82	23.8
R610379		70	5.7	12.3	917	32.2
R610380		83	4.7	18.2	107	26.3
R610381		72	5.3	14.0	571	64.1
R610382		57	2.8	16.7	184	90.1
R610383		80	1.9	19.2	74	31.7
R610384		83	1.2	18.2	79	29.0
R610385		85	5.8	18.1	58	28.3
R610386		75	3.8	20.2	173	23.0
R610387		86	5.8	17.2	113	27.8
R610388		71	2.4	16.4	752	21.1
R610389		75	5.1	15.4	131	24.8
R610390		66	4.9	18.3	802	23.9
R610391		3	0.1	0.9	22	0.5
R610392		79	1.7	18.5	65	29.5
R610393		82	2.4	19.7	63	32.9
R610394		82	2.6	20.2	70	30.7
R610395		86	9.7	18.3	75	25.9
R610396		66	6.0	12.3	2500	30.7
R610397		84	7.7	15.0	81	27.5
R610398		73	4.8	14.3	77	23.6
R610399		3	0.2	0.8	21	<0.5
R610400		81	5.6	14.0	100	26.8
R610401		63	2.8	12.3	160	140.5
R610402		76	4.9	11.8	118	164.5
R610403		71	4.3	10.0	791	30.6
R610404		79	2.7	14.4	57	31.3
R610405		89	4.5	15.3	87	28.7
R610406		82	1.3	16.3	71	27.9

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: KLAZA

Finalized Date: 5-AUG-2015
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH15106825

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	ME-MS61

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 5-AUG-2015
Account: ROCKHA

CERTIFICATE WH15106842

Project: KLAZA

P.O. No.: BATCH 66

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 22-JUL-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21d	Sample logging - ClientBarCode Dup
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
BAG-06	Double Bagging Coarse Rejects
SPL-21d	Split sample - duplicate
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31d	Pulverize Split - duplicate

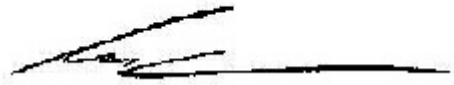
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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VANCOUVER BC V6B 1L8

Finalized Date: 5-AUG-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15106842

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
R610407		5.51	<0.005	0.19	6.60	22.9	1700	1.46	0.33	3.50	0.94	36.8	6.6	12	18.70	7.5
R610408		2.48	0.034	1.69	6.71	514	1320	1.40	0.48	6.89	3.69	45.1	7.0	7	17.80	40.2
R610409		6.05	<0.005	0.01	0.10	1.2	20	0.07	0.03	21.9	0.07	1.21	0.9	1	0.42	2.9
R610410		4.34	0.008	0.71	6.91	144.0	1180	1.30	0.86	2.51	1.72	35.9	6.7	10	27.1	42.2
R610411		2.87	0.066	2.86	7.04	718	510	1.28	1.79	2.93	3.68	45.9	9.2	10	18.85	85.5
R610412		3.93	<0.005	0.11	7.94	32.1	1270	1.05	0.26	1.70	0.51	52.2	6.4	12	25.0	7.4
R610413		6.09	<0.005	0.11	7.33	45.1	1490	1.24	0.24	2.27	0.31	43.2	7.9	13	21.0	7.7
R610414		8.64	<0.005	0.26	7.32	51.6	1230	1.53	0.74	2.58	1.18	52.7	8.0	13	20.7	9.7
R610415		<0.02	<0.005	0.23	6.99	57.9	1160	1.45	0.58	2.60	1.37	46.2	7.3	12	19.10	10.0
R610416		3.87	<0.005	0.20	7.03	60.4	1790	1.18	0.59	2.19	1.13	34.5	7.3	13	16.50	16.3
R610417		1.84	0.076	5.94	7.48	234	1140	1.36	11.20	1.27	36.6	40.7	11.9	11	18.65	110.5
R610418		2.84	<0.005	0.58	6.62	59.9	1190	1.63	1.24	2.47	1.91	31.5	8.6	13	17.25	6.1
R610419		0.31	0.354	4.32	6.99	740	740	1.41	3.63	2.09	10.50	47.2	12.1	26	13.00	319
R610420		3.04	<0.005	1.68	7.45	99.2	830	1.56	4.62	2.73	1.33	49.6	8.0	18	18.20	9.5
R610421		8.05	0.009	1.02	6.63	150.0	980	1.55	1.55	3.59	5.79	60.9	7.9	12	15.40	11.3
R610422		2.84	0.030	0.33	5.96	44.6	3510	1.36	1.03	5.65	0.34	36.6	9.2	10	29.9	25.5
R610423		5.69	<0.005	0.24	6.00	21.5	2660	1.45	1.64	7.61	0.09	51.5	8.5	11	26.0	11.2
R610424		2.74	<0.005	0.19	6.87	49.7	2080	1.51	0.26	2.76	0.25	42.2	8.5	15	27.2	5.9
R610425		6.72	0.008	0.71	7.35	46.7	1620	1.30	0.25	2.73	1.95	48.0	8.0	13	26.6	32.0
R610426		0.30	0.947	11.70	6.88	1640	1280	1.37	12.85	1.92	32.3	44.2	17.3	19	13.50	293
R610427		3.46	0.053	1.95	6.43	260	1990	1.37	0.45	4.23	12.65	42.1	7.3	9	14.70	47.8
R610428		4.58	<0.005	0.19	7.65	29.4	2100	1.48	0.20	2.91	0.36	51.1	8.5	18	23.3	5.5
R610429		5.19	0.021	0.24	8.22	54.7	1290	1.43	0.38	1.84	0.38	60.3	7.9	13	17.80	10.6
R610430		4.12	0.730	11.30	5.56	1385	390	1.22	4.51	1.52	19.70	35.5	11.8	9	15.50	94.0
R610431		5.01	<0.005	0.01	0.09	1.0	40	0.06	0.05	21.1	0.08	1.87	0.8	1	0.31	2.0
R610432		2.09	0.007	0.72	7.51	48.1	1240	1.15	0.55	2.16	0.96	51.7	7.2	10	23.4	9.3
R610433		7.78	<0.005	0.16	7.31	12.2	2050	1.50	0.21	2.47	0.92	53.8	8.5	13	17.15	8.4
R610434		6.30	<0.005	0.13	7.43	7.4	2040	1.60	0.18	2.30	0.26	50.2	8.8	13	11.45	6.2
R610435		3.70	<0.005	0.50	6.62	38.5	2170	1.29	0.39	3.33	4.02	51.6	8.9	12	13.15	6.5
R610436		2.96	0.014	0.18	6.55	41.0	1750	1.45	0.20	2.82	0.11	46.2	7.9	10	12.35	2.5
R610437		4.97	<0.005	0.89	7.31	21.4	690	1.44	0.39	2.44	0.92	53.5	6.4	9	14.50	10.6
R610438		1.55	<0.005	0.33	6.74	20.9	760	1.59	0.47	2.37	1.24	47.9	7.0	13	14.30	8.0
R610439		2.77	<0.005	0.42	6.99	10.7	1700	1.53	0.38	3.47	0.13	48.4	9.4	9	25.2	19.2
R610440		2.53	0.010	0.42	7.24	42.9	3950	1.58	0.38	2.26	0.20	47.6	8.7	11	28.6	12.0
R610441		1.88	0.101	2.87	7.51	149.5	3380	2.00	1.11	2.05	4.40	82.6	15.8	26	34.0	70.8
R610442		7.68	<0.005	0.07	7.59	27.0	870	1.78	0.11	2.79	0.30	79.3	9.4	33	32.9	7.2

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VANCOUVER BC V6B 1L8

Finalized Date: 5-AUG-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15106842

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
R610407		3.05	16.65	0.12	0.9	0.053	3.31	18.2	52.1	0.54	1340	1.17	0.10	7.8	2.8	640
R610408		4.38	14.60	0.11	0.9	0.074	2.48	24.7	191.0	0.98	7100	3.09	0.03	7.5	2.7	600
R610409		0.50	0.32	0.20	<0.1	<0.005	0.04	0.6	1.4	13.80	236	0.10	<0.01	0.2	1.9	200
R610410		3.04	16.90	0.15	1.1	0.064	3.31	15.7	86.9	0.29	2100	1.63	0.18	8.5	2.7	650
R610411		3.87	15.00	0.09	0.9	0.072	2.63	24.8	97.1	0.87	5370	2.42	0.03	7.1	2.9	560
R610412		3.33	17.05	0.13	1.1	0.062	2.88	27.3	41.0	0.52	1280	1.28	0.07	8.4	2.5	700
R610413		2.99	18.00	0.15	1.1	0.049	2.72	20.7	45.9	0.46	901	1.42	0.15	8.9	2.9	670
R610414		3.24	17.20	0.16	1.2	0.117	2.99	26.8	32.1	0.62	1370	1.63	0.37	9.0	2.8	680
R610415		3.33	16.10	0.14	1.1	0.144	2.94	23.0	29.9	0.62	1470	1.49	0.30	8.4	2.7	630
R610416		2.66	17.30	0.12	1.2	0.065	2.81	16.1	38.4	0.34	774	1.34	0.28	8.5	2.8	640
R610417		4.72	18.50	0.10	1.0	1.125	3.38	21.2	19.5	0.61	1210	10.90	0.04	6.9	2.5	570
R610418		3.17	16.40	0.10	1.1	0.106	3.35	14.6	23.6	0.49	1680	1.91	0.04	8.1	3.1	630
R610419		5.20	15.80	0.12	1.2	0.323	3.06	25.9	27.5	0.80	1980	13.85	0.16	6.3	15.3	550
R610420		3.62	17.45	0.16	1.1	0.113	3.32	26.5	30.9	0.70	1610	5.21	0.04	8.8	3.4	690
R610421		3.39	15.85	0.16	1.1	0.171	2.98	32.2	30.8	0.68	1960	2.17	0.06	7.9	2.7	640
R610422		3.59	14.85	0.10	1.0	0.093	2.82	19.9	19.2	0.34	2460	4.84	0.05	6.7	2.9	530
R610423		3.24	16.30	0.18	1.0	0.040	2.31	27.6	26.8	0.25	1600	2.83	0.26	7.4	2.8	600
R610424		3.31	17.05	0.15	1.1	0.053	3.13	20.8	71.4	0.69	1330	1.21	0.10	8.2	2.6	640
R610425		3.45	17.55	0.15	1.1	0.098	2.73	23.3	130.5	0.71	1980	1.00	0.44	8.5	2.8	670
R610426		6.81	16.05	0.10	1.1	0.856	2.97	23.0	20.2	0.80	1880	9.22	0.14	6.7	12.9	570
R610427		4.54	13.80	0.11	0.9	0.157	2.68	23.2	64.3	1.51	9690	1.65	0.03	6.2	2.6	520
R610428		3.19	17.20	0.19	1.3	0.049	2.85	27.4	31.7	0.74	1400	1.44	0.94	8.6	3.6	650
R610429		3.44	17.85	0.14	1.2	0.063	2.57	32.4	62.8	0.79	1590	0.97	0.10	8.6	2.8	690
R610430		5.06	13.80	0.09	0.8	0.385	2.35	18.9	28.1	0.67	3760	4.32	0.02	5.6	3.7	400
R610431		0.52	0.32	0.19	<0.1	0.005	0.03	0.9	1.2	13.25	239	0.08	0.01	0.2	1.8	320
R610432		3.00	17.10	0.15	1.3	0.051	3.29	26.3	40.3	0.71	3840	1.08	0.16	8.5	2.5	640
R610433		3.00	16.40	0.21	1.3	0.064	2.54	29.5	13.7	0.81	593	1.28	1.90	8.2	2.9	590
R610434		3.24	17.20	0.19	1.2	0.046	2.60	25.4	20.4	0.83	834	1.14	1.20	8.8	3.2	650
R610435		3.33	14.70	0.20	1.0	0.190	2.34	28.7	30.4	1.32	1800	0.85	0.09	7.4	3.8	550
R610436		2.85	15.50	0.24	1.1	0.050	2.43	23.7	20.0	1.02	1280	0.81	1.10	7.9	2.6	580
R610437		3.00	15.45	0.25	1.1	0.107	2.78	29.2	37.7	0.91	1600	0.49	0.07	7.5	2.9	590
R610438		3.00	15.75	0.19	1.1	0.113	2.84	24.8	33.4	0.88	1680	0.85	0.04	7.8	3.0	570
R610439		2.52	15.20	0.24	1.1	0.048	2.49	26.3	30.6	0.85	984	0.53	0.09	7.5	2.4	570
R610440		3.09	16.00	0.22	1.1	0.048	2.92	25.0	25.6	0.83	1070	1.01	0.54	7.8	3.4	580
R610441		3.20	19.00	0.25	3.9	0.099	1.60	42.9	86.6	0.98	1360	11.20	0.03	11.7	13.0	1390
R610442		3.26	18.75	0.24	4.4	0.035	2.06	41.4	138.0	1.35	1220	0.76	0.04	11.7	12.5	1710

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

2103 Dollarton Hwy
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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 5-AUG-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15106842

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
R610407		51.2	140.0	<0.002	0.08	11.10	11.0	1	1.9	98.6	0.58	<0.05	8.9	0.276	2.74	3.3
R610408		136.0	140.0	<0.002	0.28	29.1	11.9	1	2.2	147.5	0.51	<0.05	10.5	0.247	2.83	6.3
R610409		2.4	2.5	<0.002	<0.01	0.13	0.3	<1	<0.2	44.7	<0.05	<0.05	<0.2	<0.005	0.02	0.5
R610410		50.7	130.5	<0.002	0.14	23.1	9.8	<1	2.5	102.5	0.69	<0.05	9.8	0.278	2.84	3.1
R610411		173.5	157.0	<0.002	1.23	70.8	10.2	1	2.9	107.0	0.60	0.05	11.1	0.245	2.91	5.3
R610412		17.8	129.0	<0.002	0.10	18.80	11.9	<1	2.1	73.6	0.68	<0.05	13.6	0.286	2.30	3.3
R610413		18.9	90.9	<0.002	0.07	14.10	11.6	<1	2.0	99.9	0.71	<0.05	12.0	0.294	1.82	3.8
R610414		43.8	136.5	<0.002	0.22	10.20	12.4	1	3.8	113.5	0.74	<0.05	13.9	0.288	2.37	4.7
R610415		43.9	120.0	<0.002	0.21	10.00	11.5	1	3.5	97.5	0.68	<0.05	12.5	0.280	2.25	4.5
R610416		38.8	91.9	<0.002	0.15	11.85	11.1	1	3.8	123.5	0.71	<0.05	11.0	0.280	1.78	3.4
R610417		825	189.5	<0.002	2.52	26.8	10.8	1	28.8	42.2	0.56	0.13	12.0	0.243	3.96	3.4
R610418		88.6	128.0	<0.002	0.30	10.45	11.3	1	4.9	65.9	0.63	<0.05	10.5	0.279	2.21	4.1
R610419		490	160.5	0.003	2.78	29.8	9.4	1	5.7	113.0	0.52	0.35	11.0	0.215	2.70	5.5
R610420		74.7	166.0	<0.002	0.50	16.60	13.4	1	8.5	71.5	0.65	0.06	15.3	0.291	2.55	4.1
R610421		274	149.0	<0.002	0.36	11.65	11.9	1	6.1	99.5	0.61	<0.05	14.6	0.268	2.50	6.0
R610422		20.4	160.0	<0.002	0.23	15.95	9.6	<1	2.5	98.3	0.54	<0.05	10.7	0.235	2.58	5.3
R610423		10.1	117.0	<0.002	0.06	10.20	10.9	1	2.7	110.5	0.56	0.05	10.3	0.254	1.92	7.1
R610424		18.3	129.5	<0.002	0.11	29.8	11.5	1	1.7	123.5	0.67	<0.05	12.3	0.272	2.20	5.1
R610425		111.5	120.5	<0.002	0.27	22.5	12.4	1	2.1	220	0.66	<0.05	12.9	0.284	1.92	4.0
R610426		1350	164.0	0.002	4.86	67.4	9.6	2	8.1	102.0	0.55	1.36	11.1	0.219	2.78	5.6
R610427		242	176.5	<0.002	1.04	36.4	9.4	1	3.5	192.0	0.51	<0.05	10.0	0.217	3.10	5.9
R610428		29.7	121.0	<0.002	0.10	8.47	12.1	1	1.7	242	0.75	<0.05	14.4	0.279	1.51	4.0
R610429		33.6	126.0	<0.002	0.23	26.4	13.2	1	2.0	112.5	0.70	<0.05	15.3	0.305	1.88	5.8
R610430		1050	143.0	<0.002	4.25	82.7	7.7	<1	5.3	94.1	0.46	0.07	10.2	0.193	2.18	8.7
R610431		2.8	1.7	<0.002	<0.01	0.19	0.2	<1	0.2	53.3	<0.05	<0.05	0.2	0.006	<0.02	0.9
R610432		83.9	147.0	<0.002	0.45	22.4	10.7	1	1.9	109.0	0.81	<0.05	15.3	0.278	2.56	8.2
R610433		39.4	109.5	<0.002	0.02	4.17	11.6	1	1.7	354	0.68	<0.05	14.7	0.262	1.11	3.4
R610434		29.9	98.4	<0.002	0.03	5.49	12.6	1	2.4	264	0.72	<0.05	14.0	0.283	1.27	3.9
R610435		240	138.5	<0.002	0.19	13.95	10.7	<1	7.0	131.0	0.61	<0.05	13.7	0.234	1.61	3.0
R610436		15.9	120.5	<0.002	0.14	6.60	11.4	1	3.0	155.5	0.64	<0.05	12.6	0.247	1.47	4.6
R610437		42.5	151.5	<0.002	0.24	11.05	11.2	<1	2.3	89.4	0.58	<0.05	14.7	0.246	2.19	4.8
R610438		70.2	144.5	<0.002	0.23	9.82	11.7	1	2.5	83.1	0.61	<0.05	14.0	0.248	2.32	7.1
R610439		9.1	132.0	<0.002	0.15	11.65	11.4	1	2.8	141.0	0.61	<0.05	13.6	0.250	1.53	5.0
R610440		24.5	127.0	<0.002	0.31	9.87	11.5	1	1.8	244	0.60	<0.05	12.6	0.253	1.99	3.5
R610441		225	86.8	<0.002	0.92	40.3	9.1	1	3.1	703	0.79	<0.05	10.2	0.375	2.38	11.9
R610442		12.8	90.9	<0.002	0.04	26.5	8.5	1	1.2	557	0.74	<0.05	8.7	0.423	2.30	4.8

***** See Appendix Page for comments regarding this certificate *****

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 5-AUG-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15106842

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	V	W	Y	Zn	Zr
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	1	0.1	0.1	2	0.5
R610407		80	2.6	13.3	134	24.2
R610408		80	7.3	17.6	359	23.3
R610409		3	0.1	0.8	15	<0.5
R610410		83	3.7	11.7	238	27.6
R610411		77	5.2	14.4	389	23.2
R610412		83	5.1	15.4	107	27.4
R610413		86	5.2	14.6	102	29.2
R610414		82	3.3	14.8	212	29.9
R610415		80	3.1	13.8	241	28.3
R610416		82	1.7	11.5	280	28.6
R610417		103	10.2	10.0	1630	25.4
R610418		84	4.0	10.4	418	26.8
R610419		69	5.6	10.9	905	34.0
R610420		90	4.6	13.5	396	30.6
R610421		79	4.5	15.4	618	28.4
R610422		71	3.7	12.5	125	26.0
R610423		77	2.6	14.2	65	27.6
R610424		83	5.2	13.8	82	28.0
R610425		82	3.8	15.8	278	29.4
R610426		66	6.0	10.9	2480	32.5
R610427		64	5.1	12.5	1220	21.9
R610428		80	1.7	17.4	83	31.4
R610429		89	6.9	15.4	95	28.6
R610430		57	5.8	7.2	2120	20.5
R610431		3	0.1	0.8	21	<0.5
R610432		79	5.8	14.6	134	29.8
R610433		75	1.8	16.9	104	28.4
R610434		84	1.9	16.9	85	27.5
R610435		62	4.1	13.0	402	23.7
R610436		68	2.9	13.8	83	24.6
R610437		71	6.4	13.2	129	24.7
R610438		72	2.0	13.8	154	25.7
R610439		73	2.5	12.7	56	25.2
R610440		73	3.4	15.3	60	26.2
R610441		78	6.1	15.7	370	148.5
R610442		84	3.2	14.4	102	178.5

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: KLAZA

Finalized Date: 5-AUG-2015
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH15106842

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	ME-MS61

ALS Canada Ltd.

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 5-AUG-2015
Account: ROCKHA

CERTIFICATE WH15106845

Project: KLAZA

P.O. No.: BATCH 67

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 22-JUL-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21d	Sample logging - ClientBarCode Dup
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
BAG-06	Double Bagging Coarse Rejects
SPL-21d	Split sample - duplicate
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31d	Pulverize Split - duplicate

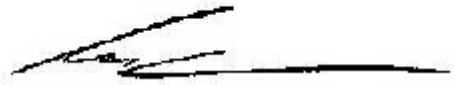
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Zn-OG62	Ore Grade Zn - Four Acid	VARIABLE
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.

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VANCOUVER BC V6B 1L8

Finalized Date: 5-AUG-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15106845

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
M675131		5.65	0.057	4.80	6.70	41.7	2210	1.55	1.40	3.42	37.5	61.8	6.0	10	14.25	21.9
M675132		2.71	1.240	42.3	5.95	754	1370	1.41	16.75	1.04	137.5	36.3	12.7	6	13.35	163.5
M675133		7.91	0.027	1.12	6.79	59.5	1600	1.71	0.66	2.65	4.42	47.7	7.9	8	10.55	6.7
M675134		2.25	0.013	0.43	6.96	11.7	1820	1.60	0.30	3.43	0.62	64.8	4.5	7	9.90	1.2
M675135		8.58	0.047	3.58	7.42	179.0	1810	1.58	1.35	1.85	26.8	52.8	2.9	7	10.10	20.0
M675136		0.29	0.368	4.41	6.55	681	810	1.44	3.31	1.94	10.45	48.3	12.6	23	13.45	296
M675137		2.70	0.025	2.44	6.54	52.2	1370	1.79	0.51	2.57	13.50	49.3	6.8	6	31.7	13.9
M675138		5.54	0.016	3.92	7.36	103.0	1800	1.77	0.38	2.12	15.45	66.3	7.0	7	15.80	19.4
M675139		3.57	0.186	49.8	8.40	384	560	1.85	9.48	1.03	38.4	177.0	21.1	7	13.75	204
M675140		3.87	0.076	5.33	6.58	136.5	820	1.21	2.01	1.87	11.30	24.1	29.5	7	5.37	8.8
M675141		4.56	<0.005	0.07	0.05	0.3	210	0.05	0.03	19.85	0.09	1.16	0.8	<1	0.15	4.3
M675142		5.80	0.006	0.66	6.67	54.1	1740	1.35	0.29	2.23	2.47	48.0	5.4	8	13.70	4.3
M675143		5.51	<0.005	0.09	7.27	7.8	2150	1.39	0.14	2.46	0.14	56.8	5.4	8	22.3	5.1
M675144		8.88	<0.005	0.11	7.39	8.6	2350	1.44	0.17	2.39	0.16	51.5	6.8	8	20.6	3.2
M675145		3.75	<0.005	0.09	7.13	9.5	2410	1.49	0.15	2.29	0.16	48.8	6.1	9	19.50	3.8
M675146		1.95	0.033	11.95	7.04	20.5	1620	1.53	0.34	2.20	68.7	53.4	8.2	9	18.15	14.5
M675147		4.16	<0.005	0.08	7.45	10.0	1930	1.52	0.14	2.08	0.17	55.5	6.1	8	23.3	2.9
M675148		0.97	0.036	2.78	6.73	56.0	350	1.43	0.31	3.86	3.43	54.5	5.3	6	21.2	10.9
M675149		0.29	0.917	12.15	6.47	1535	1170	1.40	13.10	1.80	33.8	47.7	18.3	19	14.25	277
M675150		4.17	0.078	5.10	6.27	76.6	1310	0.99	3.58	2.16	13.45	15.20	29.9	9	5.32	32.9
M675151		1.22	0.012	0.29	6.92	10.1	1480	1.50	1.79	2.68	0.19	43.9	12.1	8	12.15	5.2
M675152		2.86	<0.005	0.10	6.80	9.2	2120	1.77	0.27	2.53	0.14	58.4	5.7	9	16.60	3.3
M675153		4.17	0.057	2.53	6.62	75.9	1390	1.44	0.92	1.78	6.00	50.9	4.1	8	15.65	12.7
M675154		2.45	0.073	2.69	7.38	57.7	720	1.72	0.86	2.17	36.1	54.8	4.3	8	15.30	32.5
M675155		5.09	<0.005	0.02	0.09	<0.2	150	0.05	0.03	20.1	0.15	1.45	0.9	1	0.37	2.2
M675156		3.42	0.311	13.40	6.43	115.5	1460	1.14	13.85	4.01	32.6	51.4	6.9	7	12.95	74.5
M675157		7.02	<0.005	0.15	7.69	9.4	1480	1.41	0.19	1.28	0.16	53.6	3.3	9	8.91	8.0
M675158		3.66	0.122	14.15	7.11	91.6	1380	1.51	4.49	1.81	17.75	47.3	7.3	9	8.05	305
M675159		8.30	0.021	0.92	8.23	23.9	1100	1.67	0.55	1.42	4.62	63.3	10.4	8	6.84	6.0
M675160		<0.02	0.007	0.68	8.17	20.6	1150	1.79	0.52	1.46	3.25	62.6	8.6	8	6.71	4.5
M675161		4.56	0.085	3.81	7.95	60.0	760	1.78	2.49	1.63	13.30	102.5	23.2	6	19.20	14.1
M675162		3.51	<0.005	0.24	6.73	9.7	870	1.29	0.42	2.93	0.08	67.9	4.6	8	6.57	1.9
M675163		4.71	<0.005	0.12	7.39	9.6	1180	1.70	0.23	3.16	0.06	64.2	2.1	11	6.46	0.9
M675164		11.29	0.010	0.52	6.56	17.4	860	1.49	0.59	3.21	0.28	43.5	6.7	9	9.43	2.4
M675165		4.33	<0.005	0.15	7.15	15.7	660	1.37	0.41	2.42	0.13	29.7	5.0	9	13.40	1.5
M675166		5.32	0.099	1.46	7.77	32.2	1560	2.12	2.38	2.74	0.54	127.5	10.3	9	23.1	21.4

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 5-AUG-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15106845

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
M675131		3.26	16.10	0.20	1.1	0.129	3.06	36.6	36.3	0.73	2200	0.85	0.06	7.0	4.1	500
M675132		5.30	14.30	0.15	0.8	1.310	2.72	19.4	13.1	0.51	1320	1.55	0.05	5.7	2.3	410
M675133		3.05	16.75	0.20	1.1	0.097	2.97	24.8	43.3	0.63	1720	0.64	0.08	7.9	2.4	550
M675134		2.69	15.15	0.24	1.1	0.101	2.87	36.7	33.6	0.59	1480	0.36	0.28	7.1	1.5	590
M675135		3.73	16.45	0.22	1.2	0.294	3.25	30.1	44.8	0.65	2030	0.34	0.05	7.9	1.8	560
M675136		4.82	15.20	0.18	1.1	0.293	2.85	27.1	29.2	0.75	1840	14.60	0.15	6.2	14.9	510
M675137		2.94	15.90	0.20	1.1	0.095	2.88	25.7	59.7	0.57	1560	0.79	0.04	7.9	2.2	530
M675138		4.18	16.10	0.25	1.1	0.091	3.40	39.0	26.2	0.74	1980	1.10	0.10	8.1	1.9	580
M675139		6.52	20.1	0.25	1.3	0.517	3.97	116.0	10.9	0.76	2630	0.92	0.07	8.0	3.2	630
M675140		4.66	18.75	0.15	1.0	0.193	2.57	13.9	9.9	1.00	2050	4.25	0.15	6.4	6.8	520
M675141		0.47	0.22	0.29	<0.1	0.005	0.02	0.6	0.8	12.50	232	0.06	<0.01	0.1	1.5	210
M675142		2.79	15.95	0.24	1.3	0.061	2.98	24.9	63.4	0.61	1400	2.45	0.17	7.9	1.8	550
M675143		2.78	15.75	0.27	1.4	0.045	2.91	32.0	10.6	0.59	534	1.21	1.96	8.2	2.3	550
M675144		2.89	16.55	0.28	1.6	0.046	3.04	26.4	26.9	0.75	684	1.25	1.29	8.7	2.3	600
M675145		2.85	16.35	0.26	1.5	0.048	2.98	25.1	26.7	0.73	702	0.98	1.15	8.6	2.3	560
M675146		3.32	15.65	0.22	1.1	0.117	3.19	28.9	19.3	0.64	1420	0.95	0.75	7.7	2.5	580
M675147		2.80	16.60	0.26	1.2	0.052	2.84	30.3	70.1	0.59	601	0.86	1.13	8.0	2.4	590
M675148		2.65	14.75	0.31	1.2	0.040	2.64	30.3	28.8	1.34	1930	0.75	0.04	7.3	2.0	520
M675149		6.39	15.75	0.22	1.1	0.806	2.79	25.3	21.2	0.75	1770	9.54	0.13	6.7	13.4	540
M675150		5.22	12.75	0.15	1.1	0.132	2.83	7.5	8.6	0.87	1260	4.23	0.09	5.5	2.9	590
M675151		2.33	16.70	0.24	1.4	0.037	1.97	21.9	50.2	0.55	650	2.03	1.18	7.5	1.9	570
M675152		2.22	16.30	0.30	1.4	0.043	2.64	29.9	21.6	0.49	658	0.72	1.80	8.2	2.4	570
M675153		4.42	14.70	0.21	0.9	0.096	2.66	27.9	37.7	0.82	2060	1.09	0.04	6.9	1.9	500
M675154		3.84	15.65	0.23	1.2	0.379	3.12	30.2	68.0	0.93	2150	0.70	0.04	7.9	2.1	540
M675155		0.49	0.37	0.37	<0.1	<0.005	0.04	0.7	1.2	12.60	223	0.20	0.01	0.2	1.5	170
M675156		4.39	13.75	0.17	1.3	0.619	2.84	28.4	16.9	1.39	2660	0.88	0.04	7.5	2.0	590
M675157		2.91	16.90	0.12	1.3	0.064	2.49	29.3	42.5	0.69	807	1.25	0.05	8.4	4.3	600
M675158		4.55	15.65	0.10	1.1	0.177	3.15	27.1	29.7	0.71	2120	0.37	0.05	7.4	2.7	520
M675159		4.51	16.70	0.12	1.0	0.227	3.32	37.6	35.8	0.71	2080	0.33	0.05	8.3	3.7	630
M675160		4.33	16.85	0.13	1.1	0.228	3.30	37.5	36.1	0.73	2120	0.19	0.05	8.4	2.8	620
M675161		6.25	16.70	0.14	1.0	0.455	3.52	68.8	26.5	0.67	1720	0.17	0.04	7.1	2.0	580
M675162		2.52	16.00	0.13	1.2	0.165	2.12	37.4	27.0	0.40	1340	0.15	0.05	7.2	1.6	600
M675163		2.98	16.55	0.17	1.1	0.145	2.50	37.2	12.8	0.63	989	0.21	1.11	7.9	1.8	600
M675164		2.93	16.20	0.14	1.1	0.114	2.58	24.0	28.7	0.62	1380	0.14	0.06	8.2	2.5	590
M675165		2.88	17.45	0.10	1.4	0.066	1.27	15.0	46.9	0.63	759	0.15	0.04	9.5	2.3	720
M675166		3.78	20.6	0.21	1.4	0.323	3.48	77.8	30.1	0.94	1300	0.27	0.04	10.0	3.0	730

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
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Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 5-AUG-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15106845

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
M675131		1235	171.0	<0.002	1.12	9.42	10.3	1	2.7	102.5	0.57	0.80	13.9	0.206	2.83	3.7
M675132		3070	134.0	<0.002	4.83	39.9	8.4	1	3.5	31.1	0.45	0.99	10.0	0.173	2.38	2.8
M675133		167.5	135.0	<0.002	0.78	6.74	10.4	1	2.4	92.8	0.62	0.29	12.9	0.226	2.70	4.0
M675134		38.1	146.5	<0.002	0.38	5.57	11.3	1	2.4	95.8	0.55	0.20	13.4	0.222	2.51	4.2
M675135		942	184.5	<0.002	1.10	8.69	10.8	1	3.0	81.4	0.62	0.22	14.2	0.231	3.14	2.9
M675136		472	149.5	0.005	2.60	28.3	9.4	1	5.6	107.0	0.51	0.27	11.6	0.199	2.55	5.2
M675137		671	145.0	<0.002	0.63	11.30	9.9	<1	2.3	122.5	0.65	0.09	12.8	0.232	2.69	3.5
M675138		969	185.5	<0.002	0.55	9.91	11.4	<1	3.0	100.5	0.64	0.08	13.8	0.241	2.98	4.5
M675139		6160	231	<0.002	3.97	62.7	13.4	1	5.3	60.7	0.67	1.13	16.5	0.244	3.83	6.7
M675140		453	146.5	<0.002	2.53	8.14	11.0	1	2.9	86.6	0.58	1.37	12.2	0.197	2.28	3.6
M675141		7.2	1.2	<0.002	0.01	0.14	0.2	<1	<0.2	49.4	<0.05	<0.05	<0.2	<0.005	<0.02	0.9
M675142		138.0	130.0	<0.002	0.38	11.20	9.7	1	2.3	147.0	0.69	0.06	12.7	0.231	2.47	5.5
M675143		19.3	128.5	<0.002	0.06	3.92	10.1	1	1.9	318	0.71	<0.05	14.7	0.241	1.42	4.7
M675144		24.4	132.5	<0.002	0.09	5.98	10.8	1	1.8	265	0.80	0.05	14.2	0.248	1.60	4.6
M675145		24.3	128.5	<0.002	0.09	6.48	10.8	1	1.8	240	0.76	<0.05	13.6	0.245	1.59	4.8
M675146		3090	158.5	<0.002	0.65	12.75	10.5	1	2.1	141.0	0.62	0.23	13.5	0.238	2.22	5.2
M675147		19.7	126.0	<0.002	0.04	9.38	11.2	1	1.7	267	0.62	<0.05	13.8	0.245	1.41	3.2
M675148		1185	140.5	<0.002	0.44	9.52	9.7	1	2.0	99.4	0.61	<0.05	13.5	0.215	2.63	6.2
M675149		1265	162.0	<0.002	4.58	67.1	9.8	2	8.5	98.7	0.53	1.19	11.9	0.206	2.57	5.4
M675150		867	152.5	<0.002	5.04	6.10	8.2	1	3.8	69.9	0.45	1.32	8.9	0.181	2.08	2.7
M675151		22.6	88.2	<0.002	1.53	4.29	10.3	1	2.2	259	0.65	0.78	12.8	0.227	1.29	6.6
M675152		20.0	112.5	<0.002	0.25	5.02	10.6	<1	2.2	286	0.72	0.12	13.3	0.236	1.58	4.7
M675153		866	150.0	<0.002	1.19	12.30	9.7	1	2.9	78.1	0.53	0.05	11.7	0.216	2.79	4.6
M675154		633	199.5	<0.002	0.81	9.61	10.2	1	2.6	108.5	0.70	<0.05	14.0	0.232	3.24	5.9
M675155		4.7	2.4	<0.002	0.01	0.13	0.3	<1	<0.2	51.9	<0.05	<0.05	0.2	<0.005	0.03	0.6
M675156		2470	183.5	<0.002	1.67	20.0	8.3	1	2.5	128.5	0.69	0.11	13.0	0.199	3.11	5.4
M675157		78.1	124.5	<0.002	0.09	13.85	10.2	1	2.4	85.2	0.75	<0.05	15.3	0.255	2.08	3.6
M675158		2110	184.0	<0.002	1.35	18.40	8.8	1	2.7	60.9	0.71	0.11	13.4	0.216	3.28	4.2
M675159		216	190.5	<0.002	1.37	12.60	11.6	1	2.8	45.5	0.71	0.12	15.1	0.253	3.25	3.4
M675160		144.5	198.0	<0.002	1.15	12.05	11.8	1	2.9	47.9	0.72	0.11	14.9	0.251	3.25	3.3
M675161		804	214	<0.002	3.64	18.70	10.0	1	7.4	53.6	0.56	0.66	13.4	0.226	3.07	4.4
M675162		10.7	95.4	<0.002	0.59	13.65	9.5	1	2.8	60.6	0.64	0.13	14.7	0.229	2.03	3.5
M675163		8.4	132.5	<0.002	0.22	3.14	10.0	1	2.6	166.5	0.66	<0.05	13.6	0.248	2.25	4.9
M675164		18.8	122.5	<0.002	0.56	5.98	10.0	1	3.0	98.2	0.67	0.20	12.8	0.253	2.50	5.0
M675165		9.5	41.1	<0.002	0.13	12.90	10.5	1	2.3	126.0	0.80	0.07	13.3	0.303	1.26	3.6
M675166		46.3	148.5	<0.002	1.11	18.80	11.7	1	5.8	90.2	0.82	0.22	14.7	0.317	3.06	6.9

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Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15106845

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Zn-OG62
	Analyte	V	W	Y	Zn	Zr	Zn
	Units	ppm	ppm	ppm	ppm	ppm	%
	LOR	1	0.1	0.1	2	0.5	0.001
M675131		62	2.7	16.0	2160	27.7	
M675132		57	4.1	7.9	>10000	21.8	1.065
M675133		68	2.4	13.5	345	29.3	
M675134		63	1.8	16.6	88	26.3	
M675135		66	3.1	11.8	1930	30.4	
M675136		64	5.6	11.9	828	30.3	
M675137		63	2.9	13.0	969	29.8	
M675138		66	3.5	14.8	1140	29.7	
M675139		74	8.5	11.7	2640	33.3	
M675140		82	6.0	9.3	826	26.0	
M675141		2	0.1	0.8	22	<0.5	
M675142		66	4.0	14.8	201	32.5	
M675143		67	1.9	17.5	40	35.5	
M675144		70	2.0	18.8	48	37.0	
M675145		69	2.1	17.8	48	35.4	
M675146		67	2.6	15.9	4760	29.4	
M675147		68	1.8	17.4	49	30.9	
M675148		59	5.6	17.0	261	31.3	
M675149		62	6.3	12.1	2320	30.3	
M675150		58	4.5	8.8	1020	24.3	
M675151		66	1.6	13.7	39	32.7	
M675152		66	1.4	17.4	46	35.0	
M675153		60	6.2	11.8	487	24.5	
M675154		63	3.9	14.6	3340	31.7	
M675155		2	0.1	0.9	26	0.5	
M675156		59	3.0	17.0	3380	37.0	
M675157		67	3.8	15.5	55	35.3	
M675158		59	3.6	12.3	1300	30.0	
M675159		72	4.0	16.0	364	28.6	
M675160		70	3.9	16.0	268	28.0	
M675161		61	6.1	10.1	999	26.0	
M675162		67	3.3	13.3	46	32.4	
M675163		68	2.4	14.4	43	31.6	
M675164		65	2.9	13.9	57	31.9	
M675165		72	3.5	12.5	47	37.7	
M675166		80	5.0	16.5	79	36.4	

***** See Appendix Page for comments regarding this certificate *****

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VANCOUVER BC V6B 1L8

Project: KLAZA

Finalized Date: 5-AUG-2015
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH15106845

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

Applies to Method:				
	BAG-06	CRU-31	CRU-QC	LOG-21
	LOG-21d	LOG-23	PUL-31	PUL-31d
	PUL-QC	SPL-21	SPL-21d	WEI-21

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:				
	Au-AA24	ME-MS61	ME-OG62	Zn-OG62

ALS Canada Ltd.

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VANCOUVER BC V6B 1L8

Finalized Date: 7-AUG-2015
Account: ROCKHA

CERTIFICATE WH15106938

Project: KLAZA

P.O. No.: Batch 68

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 22-JUL-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
CRU-32	Fine Crushing 90% <2mm
SPL-21	Split sample - riffle splitter
PUL-35a	Pulv 1 kg split to 95%<106 um
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate
PUL-35ad	Pulv 1 kg split to 95%<106 um DUP
BAG-01	Bulk Master for Storage
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
BAG-06	Double Bagging Coarse Rejects
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test

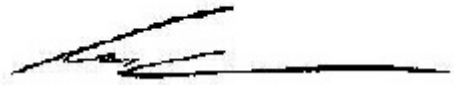
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Zn-OG62	Ore Grade Zn - Four Acid	VARIABLE
As-OG62	Ore Grade As - Four Acid	VARIABLE
Au-AA24	Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
ME-MS61	48 element four acid ICP-MS	
Ag-OG62	Ore Grade Ag - Four Acid	VARIABLE
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Cu-OG62	Ore Grade Cu - Four Acid	VARIABLE
Pb-OG62	Ore Grade Pb - Four Acid	VARIABLE

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.

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Finalized Date: 7-AUG-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15106938

Sample Description	Method	WEI-21	Au-AA24	Au-GRA22	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs
	Units	kg	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.05	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05
R499346		2.31	0.214		10.35	5.32	334	590	1.37	12.10	0.29	24.9	16.65	6.8	7	6.10
R499347		4.05	5.99		>100	4.91	7230	380	0.88	269	0.93	21.7	27.1	11.2	9	8.82
R499348		2.63	2.12		81.7	5.23	>10000	320	0.99	22.9	0.54	71.0	35.5	8.2	11	6.29
R499349		1.34	1.295		19.40	2.84	5220	180	0.58	8.90	2.43	11.10	14.90	27.8	9	4.13
R499350		5.63	<0.005		0.07	0.05	9.0	30	0.05	0.08	20.8	0.12	1.20	0.7	1	0.16
R499351		5.28	2.67		42.4	3.70	5390	280	0.72	37.7	1.99	38.3	25.8	5.0	9	18.25
R499352		1.09	3.01		>100	4.77	1705	1130	0.83	766	1.21	19.95	24.9	10.6	10	8.29
R499353		0.31	1.770		38.2	5.77	2450	1000	0.97	35.4	1.66	44.5	35.3	15.7	20	9.82
R499354		3.18	5.53		45.9	6.20	6520	280	1.04	83.2	0.76	22.9	66.7	7.2	12	3.84
R499355		1.23	2.80		51.5	4.95	353	990	0.81	31.9	2.23	359	30.1	10.9	11	8.44
R499356		1.94	4.91		16.90	7.34	564	360	1.82	34.8	0.10	0.86	0.73	683	3	4.27
R499357		1.38	>10.0	16.40	43.5	6.82	648	140	1.53	46.1	0.06	0.29	0.82	578	3	3.16
R499358		2.40	1.715		34.6	7.25	357	400	1.68	50.8	0.02	0.24	3.96	130.5	8	3.26
R499359		2.65	3.09		11.15	5.91	1590	220	1.50	17.95	0.10	5.26	7.89	525	8	3.44
R499360		0.96	0.164		30.9	5.03	1255	260	0.81	0.58	3.40	150.5	32.3	8.0	8	5.57
R499361		2.52	9.81		>100	1.70	2800	110	0.40	115.0	2.72	>1000	6.37	6.4	8	2.52
R499362		0.96	0.555		>100	5.08	7420	210	1.07	0.61	4.10	210	30.5	10.9	5	11.85
R499363		1.49	1.920		10.60	3.62	6510	130	0.66	1.34	7.15	44.1	24.1	7.5	5	5.39
R499364		0.17	>10.0	13.85	>100	4.63	176.5	700	0.43	1.88	2.15	844	18.55	62.1	47	1.35
R499365		1.73	7.01		>100	3.34	>10000	190	0.69	1.61	1.20	>1000	22.5	5.0	8	5.86
R499366		4.73	0.010		0.66	0.05	26.1	30	0.06	0.06	21.0	1.82	1.05	0.7	<1	0.16
R499367		1.73	3.66		65.7	1.32	1610	160	0.20	101.0	0.21	14.00	8.19	82.0	7	1.39
R499368		<0.02	3.67		73.2	1.28	1735	180	0.20	125.5	0.21	14.50	8.21	83.0	11	1.37
R499369		1.88	3.61		56.2	3.04	1260	220	0.38	99.9	0.22	15.30	20.7	198.5	12	2.88
R499370		1.24	>10.0	31.6	>100	0.45	5130	150	0.19	124.0	0.96	>1000	2.61	17.7	17	0.54
R499371		1.63	0.570		>100	3.29	4630	150	0.69	47.9	2.05	123.0	23.8	7.6	12	4.08
R499372		2.94	2.65		9.21	5.33	568	150	0.81	9.08	1.49	308	43.0	36.7	10	4.01
R499373		2.96	>10.0	13.95	>100	1.50	>10000	110	0.43	3.72	3.28	964	6.52	3.1	6	2.53
R499374		2.38	8.46		>100	2.16	2940	170	0.68	3.33	3.95	213	20.2	10.8	8	5.58
R499375		2.92	4.44		>100	1.56	7630	140	0.53	2.02	5.13	957	7.69	11.0	7	2.68
R499376		3.11	0.624		11.75	4.00	1145	190	0.85	2.51	2.10	50.1	46.9	42.0	11	3.96
R499377		<0.02	0.641		11.50	3.99	1145	150	0.88	2.68	2.14	51.9	45.1	42.0	12	3.85
R499378		2.02	1.140		11.75	4.26	5030	150	1.03	0.27	1.62	15.25	32.4	11.2	7	9.59
R499379		5.39	>10.0	18.70	>100	1.43	5270	130	0.33	144.5	0.58	65.5	15.60	80.8	12	2.08
R499380		1.58	0.698		22.3	4.12	742	760	1.18	4.38	7.54	39.7	32.0	10.8	9	14.85
R499381		2.41	8.60		>100	1.86	>10000	50	0.42	88.7	3.20	535	19.45	2.6	8	3.48

***** See Appendix Page for comments regarding this certificate *****

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C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 7-AUG-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15106938

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni
	Units	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	LOR	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2
R499346		225	4.36	10.60	0.14	0.5	0.779	2.60	4.1	14.0	0.23	1670	4.80	0.03	5.1	1.4
R499347		4640	10.15	10.80	0.13	0.6	2.61	2.15	12.5	19.5	0.39	2380	1.01	0.03	4.3	2.7
R499348		3790	9.13	11.45	0.14	0.7	3.82	2.51	18.2	13.6	0.32	1420	3.01	0.02	4.8	2.8
R499349		578	13.45	6.14	0.12	0.3	0.572	1.36	6.4	24.9	0.64	1480	2.98	0.02	2.5	3.4
R499350		4.0	0.50	0.17	0.06	<0.1	0.009	0.02	0.6	0.9	12.90	233	0.12	0.01	0.1	1.4
R499351		1800	5.83	9.97	0.08	0.5	1.205	1.53	12.2	25.7	0.20	757	31.2	0.02	3.6	2.9
R499352		5280	10.55	10.05	0.12	0.6	2.71	2.27	11.8	11.8	0.49	2170	6.24	0.02	4.1	3.2
R499353		1185	9.09	12.90	0.12	0.8	1.500	2.70	17.9	12.7	0.68	2300	16.80	0.06	4.7	13.9
R499354		90.9	9.55	14.60	0.17	0.7	0.588	3.01	27.3	14.2	0.51	1260	3.41	0.03	6.3	2.9
R499355		2570	5.69	10.45	0.11	0.7	43.6	2.15	15.4	11.0	0.51	1160	1.06	0.50	4.6	2.0
R499356		525	11.50	18.20	0.11	0.2	0.688	3.72	<0.5	5.6	0.26	307	1.75	0.04	0.7	21.6
R499357		32.5	18.90	17.55	0.14	0.1	0.547	3.48	<0.5	3.4	0.25	603	0.60	0.04	0.3	9.0
R499358		82.2	4.98	17.30	0.08	0.5	0.442	3.76	1.1	7.3	0.25	275	1.39	0.04	3.3	2.9
R499359		46.3	10.90	14.45	0.13	0.4	0.405	2.96	2.5	6.8	0.22	381	13.25	0.03	3.1	11.6
R499360		165.5	8.56	11.20	0.12	0.8	2.48	2.47	16.5	9.3	1.39	11250	2.56	0.02	5.0	2.2
R499361		1965	10.15	5.33	0.09	0.2	116.0	0.79	2.7	13.1	0.97	3030	5.78	0.01	1.2	1.3
R499362		142.5	8.81	10.15	0.12	0.8	1.625	1.87	15.8	85.0	1.42	6060	4.70	0.03	4.9	2.9
R499363		52.8	8.79	7.79	0.10	0.5	0.405	1.69	11.9	12.0	2.58	10550	5.22	0.02	3.4	2.3
R499364		>10000	9.87	15.80	0.15	0.5	3.15	0.87	8.5	5.5	0.83	1740	158.5	1.15	2.2	19.1
R499365		899	8.71	8.63	0.10	0.7	2.24	1.45	12.1	6.1	0.46	4520	1.58	0.02	3.4	3.0
R499366		4.5	0.52	0.18	0.05	<0.1	0.009	0.02	0.5	1.0	13.05	239	0.07	<0.01	0.1	1.5
R499367		303	20.5	3.20	0.11	0.1	0.566	0.60	4.2	14.6	0.12	445	6.94	0.01	0.8	2.2
R499368		295	20.9	3.37	0.13	0.1	0.610	0.59	4.3	14.0	0.12	485	7.27	0.01	0.9	3.2
R499369		224	17.70	7.09	0.14	0.4	0.429	1.44	9.2	9.0	0.15	554	5.67	0.01	2.6	4.1
R499370		2990	13.20	1.98	0.10	<0.1	41.1	0.20	1.3	15.7	0.17	1400	2.30	0.01	0.2	2.5
R499371		2760	8.20	7.27	0.08	0.4	2.25	1.57	11.2	13.4	0.63	7620	0.97	0.02	2.7	2.4
R499372		261	13.40	14.85	0.15	0.5	9.23	1.26	15.9	27.9	1.67	3290	0.41	0.02	4.0	3.0
R499373		1325	7.42	4.01	0.08	0.2	3.39	0.70	3.1	9.8	1.08	3910	55.9	0.01	1.5	1.8
R499374		420	5.98	6.32	0.08	0.5	0.578	0.90	10.5	10.6	1.45	4840	7.42	0.03	2.6	1.9
R499375		497	7.92	4.39	0.09	0.3	3.28	0.70	3.9	11.3	1.65	6510	21.5	0.01	1.6	2.2
R499376		42.1	7.88	11.85	0.12	0.7	0.281	1.77	28.5	11.6	0.88	2470	4.49	0.06	3.9	3.5
R499377		42.1	8.22	11.65	0.13	0.7	0.294	1.75	26.7	11.5	0.90	2460	4.53	0.06	3.8	3.3
R499378		108.0	13.60	9.52	0.13	0.5	1.630	1.88	16.6	16.3	0.84	27400	3.36	0.01	4.1	2.9
R499379		7120	29.3	4.29	0.20	0.2	3.70	0.64	8.4	5.8	0.21	17700	6.57	0.01	1.4	2.5
R499380		144.0	4.27	10.30	0.06	1.4	0.200	1.62	18.1	14.3	1.82	3860	2.91	0.02	4.9	4.0
R499381		658	8.67	7.21	0.05	0.3	5.72	0.82	9.4	8.4	0.88	64500	10.65	0.01	1.9	1.5

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
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VANCOUVER BC V6B 1L8

Finalized Date: 7-AUG-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15106938

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
	LOR	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02
R499346		10	458	151.5	0.002	2.94	54.8	1.1	<1	7.3	10.7	0.40	0.10	3.9	0.168	2.05
R499347		380	2720	125.0	<0.002	9.49	248	6.5	1	9.2	38.4	0.36	0.91	7.8	0.140	2.03
R499348		400	1270	177.0	<0.002	8.35	807	6.7	1	9.8	11.6	0.38	0.31	8.1	0.156	2.58
R499349		190	417	84.0	<0.002	>10.0	209	4.9	1	8.1	43.8	0.20	0.94	3.9	0.083	1.12
R499350		180	<0.5	1.1	<0.002	0.02	0.69	0.2	<1	<0.2	52.2	<0.05	<0.05	<0.2	<0.005	<0.02
R499351		200	1195	89.9	<0.002	4.86	657	5.0	1	11.2	145.5	0.28	0.16	5.3	0.119	1.92
R499352		350	1645	127.0	<0.002	9.87	211	5.9	2	7.9	48.4	0.32	1.38	6.3	0.142	2.25
R499353		470	1670	143.5	0.002	7.74	99.9	7.8	1	10.7	63.0	0.38	0.74	8.6	0.169	2.27
R499354		710	1440	174.5	<0.002	8.18	15.70	9.1	1	14.4	23.7	0.44	0.84	10.1	0.207	2.16
R499355		370	274	98.1	<0.002	5.81	17.90	6.1	2	3.6	124.5	0.38	0.63	7.8	0.149	1.28
R499356		10	161.5	222	<0.002	>10.0	110.5	1.0	2	34.7	4.4	0.06	19.25	0.2	0.026	2.71
R499357		10	256	202	<0.002	>10.0	4.25	1.5	3	32.2	3.5	<0.05	31.6	<0.2	0.011	2.55
R499358		10	115.5	215	0.002	4.60	13.30	1.2	1	31.5	3.2	0.33	14.65	1.0	0.127	2.74
R499359		90	168.0	173.5	0.009	>10.0	12.30	1.3	2	26.9	5.9	0.25	6.07	1.8	0.104	2.25
R499360		480	4120	154.5	<0.002	4.48	92.4	8.0	1	4.0	78.9	0.40	0.09	8.8	0.189	2.26
R499361		110	4530	42.2	<0.002	>10.0	68.3	2.0	5	3.2	51.9	0.10	0.50	2.3	0.039	0.90
R499362		400	9210	89.8	<0.002	5.39	223	7.9	1	3.3	201	0.40	0.05	8.2	0.175	1.43
R499363		310	1665	113.0	<0.002	5.45	92.1	5.5	1	3.2	159.5	0.27	0.13	5.3	0.125	1.66
R499364		600	>10000	27.7	0.070	>10.0	178.0	11.3	11	18.6	235	0.15	0.55	1.6	0.183	7.93
R499365		320	>10000	84.0	<0.002	>10.0	772	4.5	2	15.4	72.9	0.27	0.11	5.6	0.125	1.59
R499366		170	174.5	1.1	<0.002	0.02	0.91	0.1	<1	<0.2	49.3	<0.05	<0.05	<0.2	<0.005	<0.02
R499367		80	1265	35.1	0.004	>10.0	103.0	1.6	2	4.2	10.6	0.07	3.10	1.2	0.031	0.53
R499368		70	1330	34.2	0.003	>10.0	98.9	1.6	2	4.9	10.5	0.07	3.39	1.4	0.033	0.52
R499369		220	1055	80.0	0.003	>10.0	66.8	4.2	3	5.4	14.5	0.23	4.95	3.7	0.093	1.15
R499370		20	1720	11.8	<0.002	>10.0	138.0	0.9	2	4.3	22.8	<0.05	0.97	0.3	0.007	0.27
R499371		250	1070	92.4	<0.002	7.64	470	4.6	1	12.9	72.3	0.22	0.30	4.4	0.092	1.57
R499372		1650	595	77.6	<0.002	8.41	8.06	14.0	1	5.9	32.9	0.30	1.42	12.7	0.136	1.27
R499373		100	>10000	42.4	<0.002	>10.0	604	2.1	2	6.9	44.7	0.11	0.09	2.4	0.046	0.97
R499374		220	>10000	53.1	<0.002	4.64	249	4.2	1	4.6	71.1	0.19	0.16	4.4	0.078	1.51
R499375		100	>10000	40.2	<0.002	8.73	282	2.3	1	4.2	87.7	0.11	0.21	2.4	0.040	0.92
R499376		350	2020	108.5	<0.002	6.74	19.05	6.6	1	4.6	51.3	0.33	0.93	7.5	0.117	1.58
R499377		360	2190	105.0	<0.002	6.92	18.95	6.7	1	4.3	51.2	0.33	0.61	7.3	0.114	1.54
R499378		340	944	112.5	<0.002	4.10	90.2	6.5	1	2.4	52.3	0.31	<0.05	6.4	0.144	1.97
R499379		100	6650	36.8	0.002	>10.0	2910	2.3	4	24.0	16.5	0.10	6.50	1.9	0.048	0.72
R499380		400	2970	93.7	<0.002	2.19	57.6	4.6	1	3.7	243	0.36	0.35	5.8	0.153	2.16
R499381		120	>10000	43.6	<0.002	5.97	321	3.4	2	16.5	70.3	0.16	0.35	3.4	0.063	0.97

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CERTIFICATE OF ANALYSIS WH15106938

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Ag-OG62	Cu-OG62	Pb-OG62	Zn-OG62	As-OG62
	Analyte	U	V	W	Y	Zn	Zr	Ag	Cu	Pb	Zn	As
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%
	LOR	0.1	1	0.1	0.1	2	0.5	1	0.001	0.001	0.001	0.001
R499346		2.0	30	7.6	8.2	1860	13.5					
R499347		3.0	46	3.5	9.3	1880	16.7	165				
R499348		3.4	48	6.0	8.3	5460	18.2					2.08
R499349		4.6	38	2.6	8.6	839	9.4					
R499350		0.4	2	0.1	0.9	27	<0.5					
R499351		5.1	36	5.3	8.1	3310	14.9					
R499352		3.5	43	3.5	7.8	1700	16.4	422				
R499353		5.5	57	7.8	9.3	3400	23.1					
R499354		4.2	66	7.1	11.4	1980	17.9					
R499355		4.2	45	1.9	10.6	>10000	18.4				3.91	
R499356		0.4	29	3.5	0.9	96	5.9					
R499357		0.6	62	2.6	0.7	38	2.2					
R499358		1.5	64	8.2	5.4	27	12.8					
R499359		2.4	64	9.8	9.7	461	10.5					
R499360		3.8	60	6.8	8.9	>10000	21.1				1.780	
R499361		1.2	13	1.5	3.4	>10000	5.3	105			17.75	
R499362		6.7	54	4.1	12.5	>10000	20.7	95			1.625	
R499363		4.6	43	4.4	9.7	3580	14.2					
R499364		2.1	129	8.8	13.1	>10000	10.1	130	2.91	2.46	15.30	
R499365		2.6	34	4.3	5.0	>10000	21.8	554		15.35	10.50	3.10
R499366		0.7	2	0.1	0.7	177	<0.5					
R499367		0.7	19	2.2	1.6	1200	3.2					
R499368		0.7	18	2.3	2.0	1250	3.4					
R499369		4.1	35	3.8	4.6	1000	9.7					
R499370		0.6	10	0.3	1.6	>10000	0.9	100			6.67	
R499371		1.9	31	3.6	6.6	>10000	10.3	510			1.085	
R499372		1.9	106	6.6	11.4	>10000	11.4				2.09	
R499373		3.2	20	2.5	6.8	>10000	6.1	546		19.55	6.20	1.300
R499374		8.7	38	3.9	8.1	>10000	12.9	212		8.89	1.335	
R499375		17.1	20	2.1	12.8	>10000	7.4	264		8.01	5.82	
R499376		7.3	68	5.4	8.0	3440	20.0					
R499377		7.3	67	5.3	8.0	3600	20.1					
R499378		5.2	45	2.7	9.9	1100	13.6					
R499379		3.4	17	2.0	8.8	5640	4.6	489				
R499380		11.3	38	4.2	11.4	2810	53.5					
R499381		12.2	28	3.1	14.1	>10000	7.4	170		2.07	5.66	1.075

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: KLAZA

Finalized Date: 7-AUG-2015
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH15106938

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

BAG-01	BAG-06	CRU-32	CRU-QC
LOG-21	LOG-21d	LOG-23	PUL-35a
PUL-35ad	PUL-QC	SPL-21	SPL-21d
WEI-21			

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Ag-OG62	As-OG62	Au-AA24	Au-GRA22
Cu-OG62	ME-MS61	ME-OG62	Pb-OG62
Zn-OG62			

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VANCOUVER BC V6B 1L8

Finalized Date: 7-AUG-2015
Account: ROCKHA

CERTIFICATE WH15106945

Project: KLAZA

P.O. No.: Batch 68

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 22-JUL-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
FND-02	Find Sample for Addn Analysis

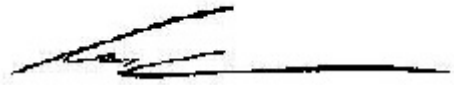
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION
C-GAS05	Inorganic Carbon (CO2)

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
2103 Dollarton Hwy
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To: **ROCKHAVEN RESOURCES LTD.**
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VANCOUVER BC V6B 1L8

Finalized Date: 7-AUG-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15106945

Sample Description	Method	C-GAS05	C-GAS05
	Analyte	C	CO2
	Units	%	%
	LOR	0.05	0.2
R499346		0.30	1.1
R499347		0.60	2.2
R499348		0.34	1.3
R499349		1.21	4.4
R499350		12.35	45.3
R499351		0.65	2.4
R499352		0.76	2.8
R499353		0.92	3.4
R499354		0.62	2.3
R499355		1.00	3.7
R499356		0.05	0.2
R499357		0.11	0.4
R499358		<0.05	<0.2
R499359		0.07	0.2
R499360		2.76	10.1
R499361		1.47	5.4
R499362		2.75	10.1
R499363		4.25	15.6
R499364		0.10	0.4
R499365		0.98	3.6
R499366		12.30	45.1
R499367		0.14	0.5
R499368		0.15	0.6
R499369		0.16	0.6
R499370		0.44	1.6
R499371		1.28	4.7
R499372		1.16	4.2
R499373		1.97	7.2
R499374		2.34	8.6
R499375		2.80	10.3
R499376		1.18	4.3
R499377		1.20	4.4
R499378		3.42	12.5
R499379		0.75	2.8
R499380		3.65	13.4
R499381		3.79	13.9

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

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VANCOUVER BC V6B 1L8

Project: KLAZA

Finalized Date: 7-AUG-2015
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH15106945

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.
FND-02

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.
C-GAS05

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VANCOUVER BC V6B 1L8

Finalized Date: 5-AUG-2015
Account: ROCKHA

CERTIFICATE WH15106949

Project: KLAZA

P.O. No.: BATCH 69

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 22-JUL-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21d	Sample logging - ClientBarCode Dup
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
BAG-06	Double Bagging Coarse Rejects
SPL-21d	Split sample - duplicate
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31d	Pulverize Split - duplicate

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Pb-OG62	Ore Grade Pb - Four Acid	VARIABLE
Zn-OG62	Ore Grade Zn - Four Acid	VARIABLE
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
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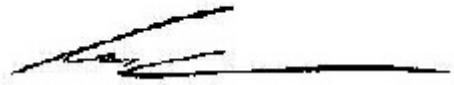
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
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Finalized Date: 5-AUG-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15106949

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
M675167		3.47	<0.005	0.15	6.85	14.5	760	1.59	0.24	2.66	0.18	48.8	3.1	8	8.82	1.0
M675168		2.43	0.194	4.44	6.33	55.5	1490	1.35	1.52	2.92	41.0	25.5	13.6	8	7.69	44.9
M675169		5.15	<0.005	0.20	6.83	11.8	760	1.47	0.30	3.17	0.36	46.4	5.1	9	8.74	1.0
M675170		9.02	0.005	0.13	6.91	16.1	1200	1.42	0.31	2.66	0.31	43.1	4.2	10	16.45	1.2
M675171		9.78	<0.005	0.10	6.81	7.6	2100	1.19	0.13	2.72	0.40	35.1	6.5	8	11.80	6.0
M675172		7.87	0.005	0.13	6.59	12.6	2050	1.17	0.12	2.85	0.13	35.0	5.9	8	14.95	4.7
M675173		1.96	0.069	3.66	6.00	665	1390	1.39	1.28	3.55	27.8	39.9	3.3	8	10.05	36.2
M675174		0.30	0.897	11.85	6.63	1585	680	1.47	12.45	1.88	32.4	44.7	16.8	20	15.10	293
M675175		3.38	0.067	5.33	7.29	468	2080	1.59	0.87	2.28	25.9	49.6	4.1	10	17.45	23.3
M675176		4.62	0.056	3.05	6.11	107.0	2100	1.60	0.63	3.61	14.60	47.0	4.3	7	18.75	22.2
M675177		5.04	<0.005	0.14	7.46	9.3	2190	1.22	0.12	1.88	0.34	42.2	6.8	8	15.15	3.2
M675178		5.82	0.011	1.72	7.96	30.2	1150	1.57	0.50	2.24	8.68	55.2	2.7	8	9.33	4.0
M675179		2.64	0.010	2.49	7.80	31.8	1070	1.63	0.52	2.28	14.55	53.5	2.7	8	9.39	6.3
M675180		8.67	0.029	0.98	7.67	41.9	1260	1.73	1.02	3.42	4.58	58.5	7.8	7	9.07	1.9
M675181		3.73	0.019	0.68	7.23	84.8	840	1.82	0.40	2.00	3.44	53.8	1.4	9	12.00	6.6
M675182		2.44	0.133	7.21	6.18	310	660	1.27	1.40	2.20	11.10	39.6	5.1	8	8.11	9.2
M675183		5.30	<0.005	0.03	0.06	<0.2	110	<0.05	0.02	19.80	0.08	1.07	0.7	<1	0.18	1.2
M675184		3.79	0.008	0.55	6.60	18.2	1070	1.26	0.53	3.22	1.41	44.6	4.3	9	10.55	1.5
M675185		7.52	<0.005	0.20	6.44	16.6	1810	1.05	0.31	2.62	0.12	35.9	4.2	10	13.55	5.6
M675186		5.26	<0.005	0.18	6.88	7.5	1230	1.07	0.17	2.74	0.06	38.2	3.9	10	8.63	3.0
M675187		5.26	0.017	0.41	6.27	167.5	1600	1.36	0.16	3.82	0.15	46.5	4.5	10	22.2	4.3
M675188		0.30	0.927	11.35	6.50	1550	570	1.33	12.25	1.84	31.6	44.1	16.4	19	13.95	293
M675189		2.07	1.450	25.7	5.28	613	390	1.20	1.03	4.15	12.55	34.8	4.0	6	12.45	64.1
M675190		2.01	0.020	0.45	7.03	83.1	1240	1.49	0.19	1.63	0.29	39.0	5.0	8	18.30	3.8
M675191		4.13	<0.005	0.19	7.19	7.6	2300	1.30	0.17	1.78	0.11	40.9	4.6	11	11.90	5.4
M675192		3.83	<0.005	0.10	8.07	7.6	2210	1.25	0.20	1.13	0.12	53.8	5.4	11	13.30	3.5
M675193		1.35	0.594	15.35	5.66	581	590	1.26	9.43	0.94	79.6	36.9	67.2	6	8.67	65.1
M675194		4.81	<0.005	0.02	0.09	0.6	30	0.07	0.04	21.2	0.14	1.40	0.8	1	0.32	7.2
M675195		8.16	0.030	0.85	7.37	80.4	1000	1.56	0.38	2.26	6.83	57.8	6.0	22	21.4	18.7
M675196		1.26	0.103	16.30	7.07	186.0	870	1.50	5.00	1.28	50.2	49.7	7.2	7	14.55	131.5
M675197		4.27	0.010	0.83	7.81	19.8	1090	1.72	0.39	2.27	6.65	58.1	5.8	8	19.15	14.8
M675198		<0.02	0.007	0.81	7.82	21.0	1080	1.84	0.36	2.25	6.05	60.0	5.5	9	19.55	12.5
M675199		2.29	1.645	77.1	4.80	1365	630	1.49	18.15	1.37	598	32.1	4.3	7	12.75	577
M675200		1.79	0.532	14.65	5.31	1180	390	1.38	8.24	2.79	97.8	43.3	4.5	8	9.96	139.0
M675201		4.38	0.020	0.82	7.02	64.1	4360	1.85	0.26	4.12	2.81	55.3	6.7	7	20.4	5.9
M675202		5.67	0.045	1.00	7.87	35.8	1340	1.93	0.46	2.45	3.57	59.9	7.4	8	26.0	15.4

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 5-AUG-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15106949

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
M675167		2.57	16.35	0.13	1.2	0.116	2.43	26.1	46.6	0.78	1230	0.40	0.04	8.3	1.7	640
M675168		4.18	13.55	0.10	0.9	0.225	2.77	14.8	24.4	0.78	1850	0.44	0.03	6.1	2.6	470
M675169		2.55	15.90	0.15	1.1	0.086	2.11	24.7	61.5	0.87	1030	0.40	0.04	7.8	2.3	620
M675170		2.78	16.20	0.13	1.1	0.067	1.87	21.4	107.0	0.75	1020	0.30	0.05	7.8	2.0	600
M675171		2.56	16.20	0.14	1.3	0.045	2.72	16.6	34.1	0.48	621	0.50	0.09	8.4	2.3	610
M675172		2.43	15.55	0.15	1.3	0.038	2.87	16.3	68.2	0.57	735	0.40	0.09	8.0	2.4	580
M675173		4.21	15.10	0.13	1.0	0.195	2.94	19.8	33.5	0.57	1660	0.49	0.04	6.7	2.7	500
M675174		6.67	15.35	0.14	1.1	0.817	2.92	23.3	18.9	0.78	1810	8.53	0.12	6.5	12.6	540
M675175		3.76	16.30	0.15	1.2	0.153	3.24	27.5	64.1	0.92	1620	0.45	0.02	7.5	2.7	570
M675176		3.62	14.85	0.13	1.1	0.125	2.95	24.8	15.9	0.83	2100	0.59	0.02	7.0	2.4	510
M675177		2.85	16.75	0.15	1.3	0.045	2.56	20.0	50.6	0.57	721	0.41	0.08	8.7	2.5	670
M675178		5.13	16.30	0.14	1.0	0.299	3.57	31.6	26.5	0.97	2250	0.16	0.09	6.9	2.5	560
M675179		4.91	16.45	0.16	0.9	0.332	3.48	30.5	30.5	0.96	2150	0.15	0.09	7.0	1.9	570
M675180		6.68	18.80	0.15	0.9	0.592	3.38	34.3	47.1	1.37	2650	0.12	0.07	7.1	2.4	570
M675181		5.52	16.55	0.15	0.9	0.324	3.23	31.7	11.0	0.88	4160	0.19	0.11	6.6	2.0	560
M675182		5.90	14.35	0.12	0.8	0.384	2.91	21.7	11.9	0.96	3510	1.69	0.05	6.1	2.3	480
M675183		0.47	0.22	0.09	<0.1	0.005	0.03	0.5	0.7	12.45	217	0.14	<0.01	0.1	2.0	160
M675184		3.02	15.05	0.12	0.9	0.092	2.19	23.8	71.1	0.78	1080	0.21	0.05	7.5	2.9	550
M675185		2.59	16.25	0.13	1.1	0.065	2.21	17.2	31.4	0.58	644	0.65	0.06	8.0	3.3	600
M675186		2.77	15.20	0.15	1.2	0.053	1.92	18.7	44.1	0.67	695	0.89	0.05	8.5	2.5	630
M675187		2.55	14.85	0.19	1.1	0.067	2.32	24.2	48.9	0.77	1340	0.51	0.03	7.4	2.5	540
M675188		6.55	14.95	0.11	1.1	0.815	2.89	23.1	17.7	0.76	1780	8.40	0.12	6.4	12.0	540
M675189		4.14	11.50	0.09	0.8	0.273	2.26	18.6	19.2	1.44	4120	1.58	0.02	5.4	2.2	370
M675190		2.85	16.35	0.11	1.3	0.100	2.81	19.3	53.6	0.44	1710	1.02	0.06	7.9	2.3	580
M675191		2.58	16.60	0.16	1.3	0.051	2.75	20.1	35.5	0.51	656	0.81	0.09	8.2	2.6	600
M675192		2.83	18.05	0.15	1.5	0.052	2.73	27.6	54.1	0.40	560	0.68	0.09	9.3	2.1	660
M675193		8.64	12.00	0.13	0.9	1.425	2.60	19.6	9.1	0.54	2050	2.77	0.03	5.2	3.0	410
M675194		0.50	0.26	<0.05	<0.1	<0.005	0.03	0.7	1.3	13.15	232	0.12	<0.01	0.2	2.3	170
M675195		3.26	14.90	0.13	1.2	0.140	3.08	30.5	38.0	0.87	1420	1.29	0.05	7.5	2.8	580
M675196		5.22	14.55	0.14	1.0	1.015	3.34	26.1	10.7	0.73	1560	0.61	0.03	6.8	2.3	510
M675197		4.22	15.75	0.17	1.1	0.250	3.44	31.1	23.8	1.02	1900	1.26	0.04	7.3	2.1	580
M675198		4.26	16.05	0.17	1.2	0.249	3.43	32.1	24.0	1.00	1930	1.21	0.04	7.5	2.1	600
M675199		6.12	11.45	0.13	0.7	16.95	2.21	16.8	21.4	0.75	1770	6.56	0.03	4.3	2.1	310
M675200		4.89	11.40	0.14	0.8	3.09	2.58	23.4	18.0	1.10	1680	2.98	0.03	5.2	2.2	390
M675201		3.38	14.35	0.17	1.1	0.098	3.00	29.5	32.6	1.52	1360	0.79	0.02	7.2	2.3	540
M675202		3.43	17.00	0.18	1.4	0.094	3.27	31.4	23.6	0.99	1120	1.20	0.04	8.6	2.2	640

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 5-AUG-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15106949

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
M675167		12.5	112.0	<0.002	0.19	12.10	10.9	1	3.2	145.0	0.70	<0.05	12.1	0.264	2.39	3.6
M675168		1270	175.5	<0.002	1.51	17.35	7.9	1	2.9	74.7	0.52	0.28	10.7	0.201	2.67	2.4
M675169		20.2	112.5	<0.002	0.20	10.20	10.1	1	2.2	187.5	0.66	0.07	13.2	0.247	2.21	4.0
M675170		17.2	71.5	<0.002	0.10	15.50	9.7	1	1.8	213	0.65	0.05	12.3	0.253	1.73	3.1
M675171		23.1	76.5	<0.002	0.04	14.35	9.6	1	2.0	125.0	0.71	<0.05	11.5	0.270	1.46	3.6
M675172		19.7	93.7	<0.002	0.08	11.30	9.3	1	1.6	157.5	0.68	<0.05	11.4	0.252	1.66	3.8
M675173		1405	143.0	0.002	1.51	12.40	9.5	1	2.6	116.5	0.57	0.07	11.6	0.209	2.73	4.5
M675174		1320	159.0	<0.002	4.70	65.1	9.1	2	8.1	99.0	0.54	1.32	11.8	0.210	2.74	5.5
M675175		1820	180.0	<0.002	1.03	11.85	9.9	1	2.5	105.0	0.65	<0.05	14.4	0.238	3.46	6.1
M675176		818	164.0	<0.002	0.99	12.45	9.0	1	2.1	120.0	0.59	<0.05	12.3	0.215	3.45	4.5
M675177		32.2	78.3	<0.002	0.03	11.30	10.5	1	1.7	110.0	0.74	<0.05	12.3	0.272	1.47	5.1
M675178		952	227	<0.002	0.97	5.23	8.8	1	3.7	79.0	0.58	0.10	14.5	0.220	3.82	5.2
M675179		741	221	<0.002	0.98	5.29	9.0	1	3.8	81.0	0.58	0.11	14.1	0.221	3.68	5.0
M675180		268	204	<0.002	2.22	4.73	11.3	1	3.7	114.5	0.58	0.40	15.1	0.220	3.45	4.5
M675181		222	194.5	<0.002	1.49	7.08	9.9	1	3.1	76.0	0.55	0.05	13.4	0.205	3.44	7.3
M675182		3570	183.0	<0.002	3.51	14.90	8.2	1	3.3	50.3	0.50	0.37	10.6	0.191	3.08	4.4
M675183		7.5	1.4	<0.002	0.01	0.07	0.2	<1	<0.2	48.0	<0.05	<0.05	<0.2	<0.005	0.02	0.5
M675184		131.5	97.0	<0.002	0.39	9.90	9.0	1	2.1	131.0	0.62	0.17	12.6	0.237	2.19	5.5
M675185		17.0	68.1	<0.002	0.11	12.10	9.2	1	2.2	115.0	0.66	0.05	11.5	0.257	1.70	4.6
M675186		15.5	70.2	<0.002	0.04	15.75	9.4	1	1.9	99.6	0.71	<0.05	13.2	0.269	1.40	3.4
M675187		21.0	101.5	<0.002	0.53	13.20	9.4	1	1.6	161.5	0.62	<0.05	12.8	0.232	2.47	5.8
M675188		1300	156.0	<0.002	4.61	63.4	8.7	2	8.0	97.5	0.53	0.97	11.4	0.207	2.69	5.3
M675189		7550	116.5	<0.002	1.92	77.0	6.4	1	3.3	183.5	0.45	<0.05	9.9	0.170	2.65	5.7
M675190		70.2	113.5	<0.002	0.40	16.85	9.4	1	2.3	95.5	0.70	<0.05	13.1	0.246	2.40	6.5
M675191		29.8	97.2	<0.002	0.07	15.70	10.0	1	1.6	102.0	0.70	<0.05	12.6	0.254	1.64	2.8
M675192		18.1	108.0	<0.002	0.08	14.55	11.6	1	1.8	104.0	0.80	<0.05	16.1	0.286	1.28	3.1
M675193		4250	144.0	0.003	7.31	12.00	7.4	1	4.5	40.0	0.45	2.60	9.9	0.177	2.40	6.2
M675194		4.7	1.8	0.003	<0.01	0.31	0.2	1	<0.2	50.8	<0.05	<0.05	<0.2	<0.005	0.02	0.5
M675195		293	166.5	0.003	0.55	11.80	10.2	1	2.1	121.0	0.65	<0.05	14.0	0.245	3.27	5.2
M675196		3290	197.0	0.003	2.24	30.4	9.4	1	3.0	74.1	0.56	0.11	12.8	0.230	3.47	4.7
M675197		289	195.5	0.003	0.35	10.25	11.0	1	2.4	112.5	0.60	<0.05	13.8	0.246	3.55	5.4
M675198		269	195.5	0.003	0.33	9.69	11.4	1	2.4	113.5	0.60	<0.05	14.0	0.249	3.73	5.6
M675199		>10000	132.5	0.003	4.98	87.4	6.3	2	4.2	54.4	0.35	0.05	8.2	0.150	2.42	9.4
M675200		4670	171.5	0.003	3.60	26.0	7.5	1	3.1	82.1	0.41	<0.05	8.9	0.172	2.72	8.4
M675201		141.0	167.0	0.003	0.53	8.86	10.1	1	1.7	188.5	0.65	<0.05	13.0	0.226	3.09	5.2
M675202		200	163.0	0.003	0.48	13.30	12.5	1	2.4	150.5	0.74	<0.05	14.7	0.276	3.09	6.2

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 5-AUG-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15106949

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Pb-OG62	Zn-OG62
	Analyte	V	W	Y	Zn	Zr	Pb	Zn
	Units	ppm	ppm	ppm	ppm	ppm	%	%
	LOR	1	0.1	0.1	2	0.5	0.001	0.001
M675167		64	3.6	14.6	54	33.3		
M675168		55	2.9	9.2	2910	23.6		
M675169		66	3.0	15.2	80	31.2		
M675170		68	3.4	14.9	76	31.1		
M675171		71	3.9	13.8	60	36.0		
M675172		67	4.9	13.8	42	36.1		
M675173		60	3.1	14.8	1860	28.0		
M675174		64	6.4	12.0	2410	31.5		
M675175		67	4.0	15.1	1680	33.4		
M675176		61	3.8	14.6	999	31.1		
M675177		74	3.8	15.3	55	36.2		
M675178		53	3.4	9.3	685	27.6		
M675179		53	3.4	9.2	1060	23.5		
M675180		93	4.4	14.5	392	23.1		
M675181		71	3.7	13.1	311	23.1		
M675182		57	4.2	7.5	817	21.0		
M675183		2	0.1	0.7	18	0.5		
M675184		64	2.5	13.9	134	27.2		
M675185		71	3.5	13.3	44	31.8		
M675186		68	5.5	14.7	40	33.4		
M675187		64	3.6	15.7	40	32.3		
M675188		62	6.3	11.6	2360	30.9		
M675189		47	6.4	8.6	875	22.2		
M675190		66	3.4	12.5	44	35.7		
M675191		69	4.8	15.0	39	36.7		
M675192		75	4.4	17.7	40	40.9		
M675193		52	3.3	9.3	5790	24.1		
M675194		3	0.1	0.8	24	<0.5		
M675195		69	4.8	14.7	535	34.3		
M675196		63	4.5	8.2	3480	29.5		
M675197		72	4.9	15.8	539	34.3		
M675198		73	5.0	14.5	502	33.8		
M675199		44	7.7	7.8	>10000	19.0	2.50	3.53
M675200		50	4.5	9.9	6890	20.3		
M675201		66	3.7	17.1	256	30.9		
M675202		81	5.7	16.2	305	36.8		

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: KLAZA

Finalized Date: 5-AUG-2015
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH15106949

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	ME-MS61	ME-OG62	Pb-OG62
Zn-OG62			

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 6-AUG-2015
This copy reported on 21-AUG-2015
Account: ROCKHA

CERTIFICATE WH15106950

Project: KLAZA

P.O. No.: BATCH 70

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 22-JUL-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21d	Sample logging - ClientBarCode Dup
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
BAG-06	Double Bagging Coarse Rejects
SPL-21d	Split sample - duplicate
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31d	Pulverize Split - duplicate

ANALYTICAL PROCEDURES

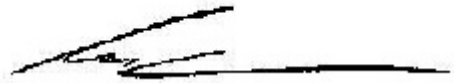
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Comments: ***Corrected copy for Au-AA24 on samples R610443 to R610445 and R610447 to R610454.***

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.

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Finalized Date: 6-AUG-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15106950

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
R610443		6.53	0.026	1.00	6.83	76.1	2270	1.76	0.34	2.11	1.19	58.2	7.0	17	22.9	13.4
R610444		5.28	<0.005	0.16	7.63	41.1	300	1.93	0.27	1.92	0.16	62.4	4.3	16	21.9	6.3
R610445		3.49	<0.005	0.08	7.78	26.4	120	1.72	0.25	1.59	0.18	68.8	3.7	14	17.65	6.0
R610446		0.32	0.913	11.70	6.44	1540	310	1.42	12.95	1.89	32.8	47.8	18.0	19	14.40	286
R610447		1.12	1.460	39.9	6.45	2630	990	1.77	5.90	1.79	61.5	61.6	7.3	13	18.45	131.0
R610448		2.00	0.480	27.5	6.29	743	160	0.93	8.65	0.39	40.7	40.5	24.9	9	7.34	302
R610449		5.25	0.005	0.25	0.11	6.8	30	0.06	0.07	20.4	0.35	1.43	0.7	1	0.33	4.6
R610450		2.77	<0.005	0.21	7.26	32.8	1460	1.57	0.21	2.58	0.46	48.8	7.7	9	20.4	12.8
R610451		1.47	0.024	1.21	6.68	167.0	1170	1.43	3.56	1.61	0.37	42.8	18.6	8	13.80	5.8
R610452		7.54	<0.005	0.21	7.67	19.7	2090	1.61	0.36	2.70	0.21	54.0	6.9	13	13.70	11.7
R610453		<0.02	<0.005	0.19	7.34	19.8	2010	1.45	0.30	2.63	0.23	53.1	7.2	14	14.40	12.1
R610454		1.35	0.069	1.86	6.74	481	1400	1.44	0.46	2.15	2.27	51.7	7.0	9	14.80	38.2
R610455		4.95	0.007	0.47	7.63	47.9	2110	1.44	1.60	2.26	0.33	54.1	7.2	10	16.80	19.7
R610456		2.98	0.079	2.61	5.68	173.5	590	1.16	1.70	2.69	20.2	38.3	7.2	10	11.25	65.1
R610457		5.38	0.005	0.44	7.68	19.9	1880	1.21	0.69	1.14	0.47	49.1	7.1	9	14.55	16.4
R610458		1.00	0.013	0.43	7.03	48.0	800	1.48	0.83	2.61	0.40	53.0	11.0	7	21.2	14.6
R610459		10.99	<0.005	0.48	7.28	29.5	1970	1.31	0.35	3.36	1.06	50.7	7.5	11	13.50	29.2
R610460		4.75	0.042	1.61	7.03	620	2280	1.61	0.51	3.13	8.46	49.7	7.7	9	18.00	11.4
R610461		0.31	0.370	4.44	6.64	693	330	1.30	3.51	2.08	10.30	48.9	12.5	25	13.05	307
R610462		2.87	0.089	2.31	6.83	373	1180	1.42	0.79	3.77	14.75	49.1	7.3	8	14.80	17.0
R610463		2.92	<0.005	0.34	7.79	29.6	2250	1.38	0.26	2.92	0.44	52.9	8.4	10	14.65	23.2
R610464		2.48	0.067	3.24	7.32	1045	640	1.58	3.15	2.56	23.5	47.8	8.8	9	15.20	52.8
R610465		4.68	<0.005	0.02	0.06	1.4	40	<0.05	0.03	21.1	0.10	1.26	0.5	1	0.19	12.6
R610466		4.91	<0.005	0.12	7.43	8.1	2300	1.34	0.11	2.91	0.11	48.6	7.3	23	8.24	12.0
R610467		5.32	<0.005	0.23	7.14	63.5	1880	1.28	0.13	2.91	0.31	47.9	7.5	11	13.85	14.5
R610468		2.00	<0.005	0.06	7.29	3.8	2230	1.36	0.19	2.95	0.11	46.9	7.2	10	8.80	9.1
R610469		1.20	<0.005	0.07	7.85	3.5	2460	1.41	0.18	3.01	0.10	49.7	7.8	10	9.54	10.6
R610470		1.67	0.016	1.02	5.94	97.3	1100	1.28	0.86	5.45	4.33	36.3	7.7	7	14.60	20.6
R610471		7.82	<0.005	0.28	7.59	18.0	2100	1.37	0.85	3.08	0.57	45.8	7.5	11	13.70	8.2
R610472		1.15	0.045	3.25	7.03	147.0	410	1.49	1.42	2.64	14.85	42.1	8.8	7	13.60	57.7
R610473		9.55	<0.005	0.14	8.13	9.0	2260	1.41	0.25	3.10	0.27	54.0	7.6	13	15.15	7.5
R610474		2.09	0.029	0.86	6.48	80.8	1040	1.38	0.54	5.78	4.42	48.0	7.3	8	14.05	14.7
R610475		3.80	<0.005	0.27	7.72	29.4	1370	1.21	0.50	3.53	0.27	47.7	7.8	9	15.60	12.9
R610476		1.10	0.009	0.57	4.97	69.8	1090	1.23	0.25	4.01	4.93	35.3	6.1	10	14.25	16.8
R610477		2.28	0.006	0.38	6.56	40.8	1660	1.31	0.77	5.65	0.34	41.9	6.6	7	13.50	8.0
R610478		2.33	<0.005	0.08	7.76	9.0	1890	1.15	0.11	1.76	0.13	41.6	6.3	10	13.10	12.6

Comments: ***Corrected copy for Au-AA24 on samples R610443 to R610445 and R610447 to R610454.***

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

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www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 6-AUG-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15106950

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
R610443		2.26	16.25	0.09	2.4	0.042	1.76	28.5	88.6	0.73	1900	6.36	0.04	9.8	5.2	860
R610444		2.38	21.2	0.08	2.8	0.036	1.34	28.0	322	0.68	1230	1.30	0.02	13.5	3.3	1000
R610445		2.33	20.9	0.08	2.7	0.033	1.25	31.9	250	0.61	1240	1.07	0.02	13.3	2.3	960
R610446		6.65	15.25	0.08	1.0	0.783	2.88	24.4	20.2	0.79	1820	8.49	0.13	6.4	11.1	520
R610447		4.23	15.25	0.07	2.2	0.316	1.37	31.6	90.5	0.82	5490	3.57	0.03	9.5	4.6	750
R610448		6.18	15.90	0.08	0.9	0.541	3.07	19.7	13.9	0.26	5590	1.98	0.02	6.7	2.9	470
R610449		0.52	0.30	<0.05	<0.1	0.006	0.03	0.7	1.7	13.20	240	0.11	<0.01	0.2	1.3	170
R610450		2.98	16.05	0.07	1.2	0.050	3.06	24.4	28.3	0.86	2080	1.14	0.80	8.1	5.7	570
R610451		4.56	16.25	0.08	1.2	0.158	3.29	21.8	35.6	0.61	2250	1.43	0.15	7.7	2.7	540
R610452		3.07	16.05	0.07	1.3	0.037	2.95	28.3	16.1	0.77	905	1.38	2.10	8.5	2.6	590
R610453		3.04	15.95	0.08	1.2	0.040	2.80	27.1	17.9	0.76	890	1.48	2.01	8.5	2.5	590
R610454		4.44	14.90	0.09	1.1	0.282	3.38	26.8	21.1	0.84	5130	1.03	0.07	7.3	2.5	510
R610455		3.19	16.15	0.09	1.3	0.046	3.11	27.7	34.7	0.68	1030	0.89	1.27	8.5	2.3	600
R610456		5.61	12.65	0.07	0.9	0.308	2.57	19.6	28.9	1.04	3570	1.41	0.06	5.9	2.3	450
R610457		3.04	15.95	0.08	1.2	0.043	2.89	24.4	46.0	0.43	899	1.05	0.12	8.4	2.3	610
R610458		3.14	15.85	0.08	1.0	0.044	2.46	28.0	84.3	0.89	1980	0.95	0.15	7.9	2.7	570
R610459		3.01	16.10	0.09	1.1	0.054	2.67	25.4	44.3	0.76	1330	1.24	1.05	8.4	2.3	620
R610460		3.66	15.45	0.09	1.1	0.106	3.01	26.1	45.1	1.12	3840	1.30	0.04	7.6	2.3	530
R610461		5.17	15.25	0.09	1.1	0.297	3.07	26.3	24.3	0.79	1900	15.10	0.16	6.6	13.0	520
R610462		3.66	15.00	0.08	1.1	0.157	2.93	25.4	25.7	1.21	4070	1.16	0.39	7.7	2.3	530
R610463		3.38	17.20	0.08	1.1	0.046	2.65	26.7	23.0	0.89	1030	0.94	1.98	8.8	2.6	670
R610464		3.93	15.50	0.09	0.9	0.183	3.44	24.3	16.5	0.87	3120	1.06	0.06	7.3	2.8	580
R610465		0.51	0.20	<0.05	<0.1	0.005	0.03	0.6	1.0	13.70	236	0.18	0.01	0.2	1.3	170
R610466		3.08	16.75	0.08	1.1	0.031	2.63	23.5	11.0	0.85	760	1.88	2.32	8.5	2.6	600
R610467		3.23	15.90	0.08	1.2	0.040	2.84	23.4	16.8	0.85	1060	2.46	1.37	8.1	2.4	620
R610468		3.22	16.35	0.07	1.2	0.038	2.57	21.7	14.4	0.86	720	0.71	2.31	8.2	2.4	630
R610469		3.25	16.75	0.08	1.1	0.033	2.72	24.8	15.5	0.92	689	0.77	2.39	8.6	2.6	630
R610470		3.82	13.15	0.06	0.8	0.034	2.64	19.0	54.2	1.38	3380	0.87	0.15	5.9	2.3	470
R610471		3.36	17.00	0.08	1.2	0.034	3.08	21.6	25.1	0.82	1470	1.57	1.20	8.6	2.4	630
R610472		4.48	14.70	0.08	1.0	0.046	3.31	21.5	9.6	0.80	3780	0.70	0.05	6.7	3.0	540
R610473		3.44	17.15	0.09	1.3	0.040	2.89	27.6	30.4	0.94	1020	0.72	2.00	8.9	2.6	670
R610474		4.35	13.35	0.08	1.0	0.033	2.66	24.2	61.5	2.02	3730	0.68	0.04	6.3	2.4	520
R610475		3.22	17.20	0.07	1.2	0.036	2.88	23.4	271	1.19	1350	0.93	0.05	8.7	2.4	640
R610476		2.66	10.45	0.06	0.8	0.033	1.78	18.4	203	1.34	2220	0.98	0.03	5.2	2.3	400
R610477		3.17	13.40	0.06	0.8	0.035	2.88	21.7	37.9	1.28	1640	1.08	0.24	6.3	2.1	500
R610478		3.03	17.10	0.07	1.1	0.033	2.60	19.5	52.1	0.66	771	0.57	0.14	8.2	2.2	630

Comments: ***Corrected copy for Au-AA24 on samples R610443 to R610445 and R610447 to R610454.***

***** See Appendix Page for comments regarding this certificate *****

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VANCOUVER BC V6B 1L8

Finalized Date: 6-AUG-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15106950

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
R610443		95.3	89.3	0.002	0.42	54.7	6.7	1	1.4	341	0.62	<0.05	10.6	0.261	2.19	13.4
R610444		18.1	45.9	<0.002	0.15	38.7	6.2	<1	2.0	300	0.89	<0.05	10.9	0.291	2.15	8.2
R610445		12.5	55.9	<0.002	0.08	46.3	6.2	1	1.9	273	0.86	<0.05	11.8	0.276	1.39	5.9
R610446		1285	160.0	0.002	4.45	67.6	9.2	2	7.7	96.8	0.50	1.07	12.3	0.205	2.54	5.5
R610447		5330	76.3	<0.002	1.22	105.5	5.4	1	2.9	145.0	0.61	0.09	10.0	0.230	1.78	13.7
R610448		2320	171.5	<0.002	5.81	124.0	8.8	1	7.4	30.5	0.51	0.19	11.9	0.209	2.51	5.8
R610449		33.0	1.7	<0.002	0.02	0.70	0.2	<1	<0.2	50.0	<0.05	<0.05	<0.2	<0.005	0.03	0.5
R610450		43.2	120.0	<0.002	0.13	8.23	11.4	<1	1.7	230	0.64	<0.05	14.5	0.252	2.02	4.4
R610451		51.0	179.0	<0.002	1.48	9.17	11.1	1	2.6	69.4	0.60	<0.05	13.5	0.232	2.40	6.0
R610452		25.9	130.0	<0.002	0.06	3.08	11.2	1	1.5	340	0.67	<0.05	15.4	0.262	1.35	3.4
R610453		26.0	124.0	<0.002	0.04	3.23	11.1	1	1.5	324	0.67	<0.05	15.4	0.257	1.30	3.6
R610454		403	227	<0.002	1.01	25.8	10.0	1	2.2	55.9	0.58	<0.05	13.2	0.224	2.85	4.9
R610455		32.5	139.0	<0.002	0.16	8.02	11.5	1	1.6	244	0.66	<0.05	15.6	0.265	1.70	4.0
R610456		603	143.0	<0.002	1.51	25.9	7.9	1	2.1	49.7	0.47	<0.05	10.8	0.192	2.18	4.7
R610457		52.2	120.5	<0.002	0.11	10.60	11.5	1	1.7	79.1	0.66	<0.05	14.2	0.266	1.52	3.1
R610458		20.1	110.0	<0.002	0.32	23.4	10.8	1	1.8	79.5	0.59	<0.05	13.7	0.250	2.03	5.3
R610459		44.5	120.5	<0.002	0.14	9.92	11.5	1	1.6	243	0.65	<0.05	14.1	0.264	1.40	4.3
R610460		200	183.5	<0.002	0.96	23.0	10.3	1	1.9	82.5	0.60	<0.05	13.9	0.236	2.96	6.4
R610461		496	163.5	0.004	2.63	29.3	9.3	1	5.5	108.5	0.50	0.31	12.1	0.205	2.45	5.3
R610462		359	177.0	<0.002	1.32	19.05	10.3	1	2.1	127.0	0.59	<0.05	12.8	0.236	2.50	5.6
R610463		34.4	113.0	<0.002	0.12	6.46	13.0	1	1.8	349	0.60	<0.05	12.8	0.288	1.18	4.0
R610464		601	174.5	<0.002	2.08	25.6	11.4	1	1.8	46.3	0.51	0.10	11.3	0.253	2.91	6.9
R610465		1.9	1.3	<0.002	<0.01	0.12	0.2	<1	<0.2	49.9	<0.05	<0.05	<0.2	<0.005	0.02	0.7
R610466		19.5	100.5	<0.002	0.11	2.04	11.3	1	1.4	390	0.62	<0.05	12.3	0.264	1.00	3.5
R610467		22.0	126.0	<0.002	0.70	7.19	11.1	1	1.4	237	0.63	<0.05	13.1	0.267	1.78	5.6
R610468		17.9	98.8	<0.002	0.01	1.33	11.7	1	1.8	392	0.62	<0.05	13.4	0.263	0.90	2.7
R610469		17.8	106.0	<0.002	0.01	1.00	11.7	1	2.0	423	0.61	<0.05	14.5	0.277	0.89	2.6
R610470		177.5	141.0	<0.002	1.37	21.9	8.4	1	1.6	145.5	0.45	<0.05	9.9	0.204	1.99	7.2
R610471		47.9	100.0	<0.002	0.28	5.42	11.8	1	1.7	240	0.65	<0.05	13.7	0.275	1.60	4.8
R610472		500	183.5	<0.002	3.35	25.2	9.4	1	2.3	61.8	0.54	<0.05	12.1	0.235	2.91	4.2
R610473		28.4	119.0	<0.002	0.07	3.69	12.6	1	1.7	373	0.66	<0.05	15.3	0.296	1.26	3.8
R610474		255	138.0	<0.002	0.86	14.40	9.8	1	1.5	155.5	0.49	<0.05	11.6	0.224	1.94	5.9
R610475		20.0	105.0	<0.002	0.22	10.50	12.2	1	2.0	157.5	0.68	<0.05	13.2	0.277	1.94	4.9
R610476		161.5	100.0	<0.002	0.37	34.4	7.4	1	1.4	134.0	0.40	<0.05	8.8	0.179	1.43	6.5
R610477		38.9	142.0	<0.002	0.71	10.60	8.8	1	1.7	168.0	0.46	<0.05	10.2	0.224	2.15	9.1
R610478		13.5	97.6	<0.002	0.06	15.85	11.7	1	2.4	104.0	0.61	<0.05	12.0	0.274	1.25	3.4

Comments: ***Corrected copy for Au-AA24 on samples R610443 to R610445 and R610447 to R610454.***

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 6-AUG-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15106950

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	V	W	Y	Zn	Zr
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	1	0.1	0.1	2	0.5
R610443		60	3.7	13.8	176	97.6
R610444		57	4.0	12.9	75	100.5
R610445		56	3.6	13.1	75	97.4
R610446		62	5.9	11.8	2370	29.9
R610447		49	4.3	13.4	4810	82.8
R610448		61	11.2	8.0	4600	24.0
R610449		3	0.1	0.7	44	0.8
R610450		73	1.5	17.5	86	28.7
R610451		69	9.0	12.2	90	31.4
R610452		74	1.4	17.6	76	33.5
R610453		74	1.4	18.0	75	33.0
R610454		66	3.7	14.5	277	29.6
R610455		76	2.5	16.8	100	33.9
R610456		58	8.0	13.2	2430	23.5
R610457		77	3.9	16.1	113	30.5
R610458		71	3.0	16.1	109	26.9
R610459		77	2.1	17.6	184	29.2
R610460		70	5.1	15.0	788	30.3
R610461		66	5.6	12.1	869	31.3
R610462		68	3.1	14.5	1120	27.9
R610463		85	1.4	18.5	98	28.5
R610464		75	2.6	15.5	2780	24.6
R610465		2	0.1	0.8	21	<0.5
R610466		76	1.0	16.0	58	28.2
R610467		78	1.1	16.2	73	30.2
R610468		79	1.4	17.5	55	29.1
R610469		79	1.2	17.2	56	29.4
R610470		64	2.4	16.4	544	21.8
R610471		80	2.9	17.0	112	31.8
R610472		67	4.0	14.0	1700	26.4
R610473		86	1.5	18.9	83	33.2
R610474		70	2.9	18.7	528	25.9
R610475		80	8.9	18.0	70	30.7
R610476		56	3.1	13.6	538	20.1
R610477		65	1.9	16.4	69	21.1
R610478		83	3.1	16.0	62	28.1

Comments: ***Corrected copy for Au-AA24 on samples R610443 to R610445 and R610447 to R610454.***

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: KLAZA

Finalized Date: 6-AUG-2015
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH15106950

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	ME-MS61

ALS Canada Ltd.

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VANCOUVER BC V6B 1L8

Finalized Date: 7-AUG-2015
Account: ROCKHA

CERTIFICATE WH15108857

Project: KLAZA

P.O. No.: BATCH 71

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 27-JUL-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21d	Sample logging - ClientBarCode Dup
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
BAG-06	Double Bagging Coarse Rejects
SPL-21d	Split sample - duplicate
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31d	Pulverize Split - duplicate

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Pb-OG62	Ore Grade Pb - Four Acid	VARIABLE
Zn-OG62	Ore Grade Zn - Four Acid	VARIABLE
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
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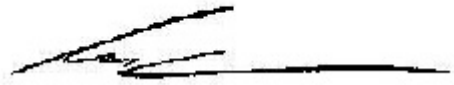
This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 7-AUG-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15108857

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
M675203		1.69	0.428	21.9	6.14	448	1140	1.43	4.02	1.59	75.6	41.5	8.0	8	12.30	203
M675204		6.49	0.021	0.97	7.30	47.1	1110	1.51	0.29	2.20	5.84	48.9	6.4	7	24.3	16.6
M675205		5.99	0.087	1.72	6.99	161.5	1060	1.47	0.97	2.25	11.80	44.8	5.6	8	22.4	26.0
M675206		4.24	0.307	8.00	7.00	675	900	1.60	1.97	2.30	29.3	50.3	6.0	7	21.9	48.8
M675207		10.14	<0.005	0.11	7.52	19.4	310	1.60	0.17	1.70	0.28	45.4	6.0	7	20.9	4.2
M675208		11.43	<0.005	0.21	7.33	19.6	4920	1.53	0.36	2.53	0.33	50.1	9.5	7	21.9	6.9
M675209		<0.02	<0.005	0.23	7.17	19.0	4950	1.65	0.36	2.49	0.27	49.2	10.2	7	21.6	7.4
M675210		7.30	<0.005	0.07	7.22	10.0	1600	1.39	0.14	2.89	0.33	47.5	5.8	7	19.00	4.3
M675211		1.56	0.749	68.6	6.38	276	1720	1.55	7.41	2.57	30.6	41.6	5.9	6	18.00	203
M675212		3.80	<0.005	0.42	7.46	15.8	1380	1.50	0.23	3.05	1.05	52.2	8.7	7	21.1	10.3
M675213		9.87	<0.005	0.24	7.43	7.9	2370	1.49	0.31	1.99	0.26	47.6	10.5	7	19.00	7.1
M675214		3.90	<0.005	0.16	7.26	8.3	2330	1.56	0.25	2.62	0.18	44.1	9.6	8	18.55	7.3
M675215		10.12	<0.005	0.11	7.77	6.1	2490	1.65	0.22	2.02	0.30	57.1	8.1	7	18.25	7.0
M675216		9.49	<0.005	0.19	7.42	6.9	1610	1.62	0.37	4.70	0.13	52.0	5.9	6	8.51	2.2
M675217		6.67	0.028	0.60	7.32	68.4	2460	1.85	0.28	2.90	3.24	66.1	2.9	8	11.90	6.0
M675218		0.30	0.910	12.40	6.50	1560	600	1.41	12.35	1.87	32.3	41.9	18.1	19	14.50	293
M675219		1.22	0.564	25.4	5.32	1910	590	1.14	16.35	0.71	98.8	34.9	3.7	6	7.00	363
M675220		3.76	0.008	0.58	7.85	61.3	1700	1.64	0.32	2.35	1.78	50.7	7.1	8	15.45	10.5
M675221		10.55	0.005	0.20	7.22	10.5	1460	1.68	0.36	2.81	1.49	43.9	5.0	7	11.25	8.1
M675222		1.40	0.108	5.92	6.80	113.5	790	1.34	6.93	1.86	165.5	52.3	5.6	7	8.83	190.5
M675223		5.38	<0.005	0.02	0.15	<0.2	40	0.08	0.04	20.1	0.32	1.36	0.7	1	1.35	3.2
M675224		2.66	<0.005	0.16	6.92	9.3	1450	1.13	0.30	2.83	1.81	43.7	2.8	8	12.55	7.6
M675225		5.56	<0.005	0.12	7.25	6.1	2900	1.13	0.48	3.19	0.31	48.5	5.1	8	11.55	3.4
M675226		6.64	<0.005	0.17	7.39	10.7	1970	1.25	0.69	2.23	0.29	45.4	5.3	8	11.15	5.4
M675227		0.30	0.362	4.94	7.03	744	1040	1.31	3.36	2.13	11.75	50.2	12.3	24	15.20	329
M675228		7.52	0.014	0.83	7.80	27.8	1900	1.57	0.82	2.25	4.85	53.1	6.4	10	11.20	4.6
M675229		4.48	0.022	1.35	8.18	44.6	980	1.48	1.18	1.57	13.75	55.0	16.8	7	9.17	5.3
M675230		4.82	0.104	2.38	6.30	150.5	520	1.39	1.85	1.31	7.70	35.3	27.9	6	8.35	31.7
M675231		4.62	0.077	1.69	6.77	145.0	620	1.29	1.75	1.01	11.00	18.65	27.7	7	6.03	8.0
M675232		3.94	0.213	7.44	7.25	362	160	1.62	6.51	1.16	6.85	15.05	116.5	7	10.70	25.2
M675233		5.18	<0.005	0.03	0.10	0.5	30	0.07	0.05	21.3	0.13	1.14	1.0	1	0.46	2.3
M675234		2.76	0.094	5.98	8.09	120.0	160	1.42	4.40	0.96	3.76	35.5	43.1	8	7.54	3.6
M675235		4.06	0.075	3.70	8.23	134.0	740	1.42	1.73	2.27	29.9	50.5	21.4	7	8.02	90.7
M675236		4.51	0.060	0.92	7.60	62.5	1160	1.41	1.23	1.87	8.80	50.1	11.4	6	20.0	7.8
M675237		4.53	0.011	0.49	7.82	21.6	1780	1.59	0.78	2.00	1.28	47.9	6.1	9	15.35	4.1
M675238		1.72	0.310	3.34	5.95	511	930	1.16	2.96	0.74	16.40	23.3	11.3	15	7.13	22.0

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 7-AUG-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15108857

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
M675203		4.99	14.85	0.10	1.1	0.851	2.83	23.7	25.3	0.90	1510	1.59	0.03	6.3	2.2	440
M675204		3.21	15.85	0.12	1.2	0.069	2.75	27.6	53.4	0.91	1190	0.83	0.04	7.7	2.0	570
M675205		2.92	15.65	0.11	1.1	0.223	2.72	24.6	42.1	0.85	1180	0.72	0.04	7.4	2.1	540
M675206		4.49	16.00	0.12	1.2	0.483	3.05	29.4	21.1	0.90	3090	1.41	0.03	7.3	2.2	520
M675207		2.69	17.20	0.10	1.4	0.051	1.58	24.1	175.0	0.59	678	0.91	0.04	8.9	1.9	610
M675208		2.84	16.65	0.12	1.4	0.058	2.23	29.0	107.5	0.88	749	1.28	0.02	7.6	2.2	550
M675209		2.82	16.60	0.12	1.3	0.059	2.20	27.9	106.5	0.85	744	1.10	0.01	7.8	2.4	540
M675210		2.69	16.05	0.12	1.2	0.045	1.43	26.7	170.0	0.99	727	0.44	0.03	7.7	1.8	580
M675211		4.80	14.45	0.12	1.1	0.372	2.55	24.2	36.0	1.15	1740	0.95	0.04	6.3	2.0	450
M675212		2.95	15.30	0.12	1.2	0.046	2.20	30.3	77.7	1.13	928	0.41	0.03	7.3	1.8	560
M675213		3.22	16.85	0.12	1.3	0.058	2.82	25.9	32.3	0.76	478	0.89	1.38	8.6	2.4	580
M675214		2.88	17.05	0.13	1.4	0.052	2.76	23.3	80.4	0.70	529	0.52	0.81	8.3	2.2	580
M675215		3.10	17.25	0.16	1.5	0.050	2.87	32.7	28.0	0.89	471	1.24	1.06	8.7	2.2	610
M675216		2.69	20.5	0.13	1.1	0.113	2.69	27.9	38.4	0.82	1110	0.07	0.12	8.2	1.9	670
M675217		2.79	18.40	0.14	1.2	0.153	2.87	39.0	149.5	0.87	1230	0.33	0.07	8.3	1.6	610
M675218		6.68	15.90	0.13	1.1	0.839	2.91	22.8	20.0	0.77	1860	9.03	0.13	6.5	12.2	520
M675219		5.15	11.80	0.10	0.7	1.980	2.55	17.7	12.5	0.38	519	1.37	0.03	4.8	5.1	380
M675220		2.94	16.90	0.12	1.0	0.085	2.74	26.4	158.0	0.88	941	0.36	0.04	7.9	3.3	630
M675221		2.77	16.10	0.13	1.0	0.140	2.57	22.0	122.0	0.76	928	0.37	0.06	7.2	2.2	570
M675222		5.64	17.00	0.14	0.8	14.85	3.25	27.9	29.5	0.70	2270	0.48	0.04	6.3	2.4	500
M675223		0.50	0.43	0.06	<0.1	0.026	0.06	0.6	1.7	12.90	228	0.12	0.02	0.4	1.5	170
M675224		3.25	14.80	0.09	0.9	0.267	3.11	21.4	15.4	0.82	1220	0.41	0.55	6.8	2.0	570
M675225		2.76	15.60	0.11	0.9	0.094	2.75	24.1	13.5	0.60	652	0.58	1.21	6.9	2.3	570
M675226		2.66	16.25	0.12	1.0	0.073	2.49	22.6	52.2	0.76	716	0.56	0.06	7.5	2.2	580
M675227		5.32	16.45	0.10	1.1	0.325	3.14	27.0	23.2	0.82	2020	15.00	0.16	6.2	15.4	550
M675228		3.91	17.05	0.14	1.2	0.132	3.59	27.6	34.9	1.01	1540	1.77	0.05	7.5	2.6	680
M675229		4.68	17.75	0.11	1.1	0.170	3.92	28.8	8.0	0.82	1680	4.33	0.05	7.0	2.3	650
M675230		4.85	14.15	0.11	0.9	0.195	2.98	17.4	10.8	0.62	932	8.81	0.04	5.3	2.2	440
M675231		4.76	15.20	0.10	0.9	0.225	3.23	7.2	7.0	0.56	876	6.40	0.04	5.9	1.8	420
M675232		9.82	14.90	0.09	1.1	0.191	3.46	5.8	10.1	0.58	925	9.12	0.04	6.4	3.8	520
M675233		0.52	0.24	0.05	<0.1	0.006	0.05	0.5	1.0	13.50	227	0.14	0.01	0.2	1.4	230
M675234		7.17	16.55	0.10	1.2	0.093	4.05	15.8	3.2	0.54	849	1.06	0.04	7.2	3.3	660
M675235		5.11	18.65	0.11	1.2	0.565	4.29	23.6	4.0	0.85	2760	0.15	0.05	7.8	2.4	640
M675236		3.71	16.40	0.09	1.2	0.173	3.25	26.1	26.3	0.81	992	0.80	0.05	7.1	2.3	590
M675237		2.79	16.95	0.11	1.4	0.069	3.50	23.9	15.9	0.78	1220	1.80	0.06	7.4	2.2	620
M675238		6.24	12.90	0.12	0.9	0.647	2.80	7.6	15.9	0.44	2190	16.65	0.04	4.9	2.4	430

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	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
M675203		9080	167.5	<0.002	2.19	52.6	8.3	1	5.0	67.1	0.55	<0.05	10.1	0.204	2.69	10.6
M675204		364	127.5	<0.002	0.42	14.15	9.8	1	2.5	163.0	0.67	0.07	12.9	0.251	2.52	5.8
M675205		188.5	112.0	<0.002	0.79	16.65	9.4	1	2.0	157.0	0.62	<0.05	11.3	0.242	2.40	5.3
M675206		3660	178.5	<0.002	2.03	30.8	9.7	1	2.9	86.2	0.64	<0.05	12.7	0.229	3.37	5.3
M675207		17.7	57.7	<0.002	0.13	19.60	10.8	1	1.7	167.5	0.83	<0.05	13.7	0.259	1.31	3.3
M675208		36.6	92.0	<0.002	0.68	10.15	10.6	1	1.8	216	0.67	0.08	13.1	0.244	1.83	4.5
M675209		25.5	87.4	<0.002	0.68	9.93	10.5	1	1.8	215	0.71	0.09	12.5	0.244	1.80	4.3
M675210		18.2	59.1	<0.002	0.13	9.69	10.1	1	1.4	341	0.66	<0.05	12.1	0.245	1.23	2.5
M675211		>10000	123.5	<0.002	1.49	85.1	8.7	1	3.1	105.0	0.54	0.05	10.7	0.207	2.15	9.6
M675212		63.2	101.5	<0.002	0.23	8.87	9.9	1	1.7	239	0.62	<0.05	12.5	0.243	1.83	4.9
M675213		75.9	104.0	<0.002	0.15	5.28	10.9	1	1.8	243	0.75	0.06	13.8	0.259	1.31	5.2
M675214		24.3	100.0	<0.002	0.15	6.31	10.9	1	1.8	250	0.71	0.09	12.4	0.254	1.36	4.1
M675215		38.0	114.0	<0.002	0.11	5.14	11.3	1	1.7	246	0.81	<0.05	16.0	0.261	1.20	5.1
M675216		18.9	96.6	<0.002	0.45	7.14	11.8	1	2.6	160.0	0.70	0.06	11.8	0.260	2.25	4.1
M675217		221	122.0	<0.002	0.53	11.10	11.9	1	2.8	199.0	0.70	<0.05	13.7	0.264	2.72	4.5
M675218		1330	154.5	<0.002	4.66	68.3	9.3	2	8.0	99.9	0.55	1.35	10.2	0.217	2.52	5.2
M675219		4700	143.0	<0.002	5.63	58.3	6.9	1	6.4	30.3	0.40	0.14	8.4	0.169	2.07	3.0
M675220		120.5	143.5	<0.002	0.41	9.65	10.7	1	2.0	246	0.68	<0.05	14.1	0.265	2.39	4.9
M675221		34.7	118.0	<0.002	0.20	9.41	9.8	1	1.7	185.5	0.59	<0.05	11.6	0.243	1.75	3.3
M675222		327	170.5	<0.002	2.91	5.16	9.4	1	4.4	53.3	0.52	0.12	11.7	0.211	2.60	4.1
M675223		4.0	4.7	<0.002	<0.01	0.09	0.2	1	<0.2	49.0	<0.05	<0.05	0.2	<0.005	0.03	0.7
M675224		18.6	142.5	<0.002	0.30	3.91	10.2	1	2.5	152.0	0.56	<0.05	11.5	0.258	2.34	3.7
M675225		14.9	152.5	<0.002	0.37	4.37	9.3	1	1.9	256	0.57	0.12	12.6	0.231	2.00	3.5
M675226		17.5	128.5	<0.002	1.01	12.00	9.7	1	1.7	149.5	0.62	0.23	12.8	0.249	1.94	4.0
M675227		509	164.5	0.003	2.82	29.8	9.4	1	5.7	117.0	0.50	0.30	11.0	0.221	2.55	5.3
M675228		240	194.5	<0.002	1.52	6.37	11.6	1	2.7	109.5	0.64	0.21	14.4	0.263	3.21	6.9
M675229		453	212	<0.002	2.94	8.75	10.5	1	3.2	43.0	0.61	0.33	13.1	0.248	3.32	5.7
M675230		290	168.0	<0.002	4.39	22.0	9.4	1	3.1	41.0	0.45	0.38	10.3	0.185	2.66	4.2
M675231		497	184.0	<0.002	4.22	6.50	9.2	1	3.6	31.3	0.46	0.20	11.0	0.197	2.75	3.1
M675232		502	186.5	0.003	10.00	11.70	9.9	2	7.5	53.7	0.54	1.64	10.9	0.231	2.74	3.1
M675233		5.0	2.7	<0.002	0.03	0.10	0.2	<1	<0.2	50.1	<0.05	<0.05	0.2	<0.005	0.03	0.5
M675234		424	226	<0.002	7.37	4.43	11.2	1	4.9	23.0	0.58	2.17	12.5	0.258	3.43	2.7
M675235		392	220	<0.002	4.03	21.6	11.6	1	4.6	46.2	0.67	0.41	13.8	0.253	3.94	3.4
M675236		207	169.5	<0.002	2.39	8.07	10.1	1	2.4	96.5	0.62	0.37	14.1	0.243	2.90	8.9
M675237		64.6	151.5	<0.002	1.43	8.46	10.3	1	2.3	104.0	0.67	0.24	13.5	0.251	2.84	7.1
M675238		272	141.0	<0.002	5.72	26.2	7.7	1	4.5	106.5	0.41	0.39	6.3	0.179	2.14	3.8

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Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Pb-OG62	Zn-OG62
	Analyte	V	W	Y	Zn	Zr	Pb	Zn
	Units	ppm	ppm	ppm	ppm	ppm	%	%
	LOR	1	0.1	0.1	2	0.5	0.001	0.001
M675203		56	5.9	11.0	4750	29.6		
M675204		68	4.3	14.5	441	32.4		
M675205		63	4.9	13.8	737	31.6		
M675206		62	6.1	14.0	1920	32.8		
M675207		67	2.6	15.5	57	36.6		
M675208		68	2.3	16.6	66	35.2		
M675209		69	2.3	16.4	59	34.6		
M675210		63	2.8	15.8	68	33.0		
M675211		56	4.3	15.7	2090	27.3	2.31	
M675212		64	3.0	16.7	124	32.4		
M675213		70	2.5	16.3	59	34.1		
M675214		69	2.4	16.8	52	37.0		
M675215		67	2.4	19.1	55	38.4		
M675216		78	2.3	16.6	59	29.2		
M675217		72	3.7	15.9	273	30.1		
M675218		64	6.4	11.8	2450	32.5		
M675219		49	3.3	8.0	7560	18.0		
M675220		71	3.1	15.9	217	26.9		
M675221		66	2.7	13.1	187	28.1		
M675222		58	13.4	7.6	>10000	20.4		1.695
M675223		2	0.1	0.8	47	<0.5		
M675224		77	3.9	12.4	260	25.2		
M675225		67	1.6	12.9	76	22.8		
M675226		69	1.8	12.9	61	28.3		
M675227		69	5.7	12.1	923	33.1		
M675228		83	3.6	14.5	383	33.1		
M675229		74	3.1	10.3	999	29.6		
M675230		61	3.3	8.1	585	22.7		
M675231		57	4.1	7.4	778	24.8		
M675232		63	5.5	11.5	553	29.1		
M675233		2	0.1	0.7	23	0.5		
M675234		71	5.0	13.0	242	31.2		
M675235		76	4.0	12.8	2210	32.5		
M675236		71	3.9	12.1	657	31.1		
M675237		72	3.2	12.2	134	35.4		
M675238		52	6.6	7.9	1220	25.3		

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
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www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: KLAZA

Finalized Date: 7-AUG-2015
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH15108857

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	ME-MS61	ME-OG62	Pb-OG62
Zn-OG62			

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C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 8-AUG-2015
Account: ROCKHA

CERTIFICATE WH15108859

Project: KLAZA

P.O. No.: BATCH 72

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 29-JUL-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21d	Sample logging - ClientBarCode Dup
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
BAG-06	Double Bagging Coarse Rejects
SPL-21d	Split sample - duplicate
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31d	Pulverize Split - duplicate

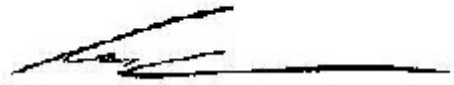
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 8-AUG-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15108859

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
R610479		3.94	<0.005	0.06	6.86	8.5	2180	1.30	0.20	2.80	0.09	42.3	8.2	13	12.65	10.7
R610480		2.79	<0.005	0.07	7.09	7.2	2230	1.45	0.28	2.85	0.09	42.9	8.4	15	12.20	7.8
R610481		7.71	<0.005	0.10	7.03	20.5	2030	1.53	0.67	2.65	0.11	45.6	9.4	12	12.00	18.3
R610482		1.39	<0.005	0.20	6.96	24.4	680	1.26	0.60	2.54	0.17	42.3	7.9	9	21.1	8.7
R610483		3.98	<0.005	0.11	7.52	19.4	820	1.36	0.11	2.80	0.33	49.3	8.1	9	25.1	7.8
R610484		0.34	0.894	11.95	6.65	1590	1210	1.41	11.75	1.84	34.0	49.5	19.0	19	14.65	293
R610485		2.98	<0.005	0.21	6.63	95.1	1490	1.43	0.13	3.50	0.31	46.3	7.0	9	24.2	7.6
R610486		7.07	<0.005	0.08	7.29	12.4	1430	1.33	0.13	1.85	0.12	39.1	7.6	12	18.30	10.5
R610487		0.83	0.016	1.97	5.93	84.6	470	1.35	0.28	5.28	0.89	43.2	9.6	18	19.85	56.3
R610488		2.46	<0.005	0.25	7.28	44.9	960	1.41	0.16	3.53	0.26	41.0	7.3	10	20.8	8.0
R610489		<0.02	<0.005	0.28	6.94	48.5	740	1.40	0.16	3.33	0.23	41.0	7.3	7	20.5	7.5
R610490		2.10	0.040	0.92	7.10	325	1120	1.44	0.30	3.93	0.61	49.3	7.8	9	19.70	14.2
R610491		1.63	0.065	2.31	6.09	150.0	1140	1.28	0.78	4.46	2.17	41.2	8.3	9	9.36	49.0
R610492		5.61	<0.005	0.01	0.07	0.4	30	<0.05	0.03	20.6	0.06	1.31	0.7	1	0.18	1.4
R610493		4.30	<0.005	0.09	6.95	8.2	1920	1.25	0.28	2.99	0.12	45.0	7.6	11	18.55	9.4
R610494		1.13	<0.005	0.20	6.98	28.1	1670	1.19	0.42	3.90	0.24	50.0	9.3	9	17.80	10.4
R610495		2.48	0.007	0.39	7.28	57.0	1940	1.52	1.43	3.45	0.13	44.8	17.1	10	15.75	7.5
R610496		1.86	<0.005	0.16	7.81	16.4	2130	1.18	0.48	1.74	0.14	43.7	7.6	9	14.30	14.1
R610497		2.54	0.044	2.01	6.44	266	920	1.20	4.11	3.60	1.05	43.6	24.6	11	12.35	12.0
R610498		3.81	<0.005	1.35	6.73	124.5	4200	1.19	1.55	3.96	0.60	44.1	9.8	8	19.80	18.0
R610499		6.79	<0.005	0.39	7.00	70.2	1360	1.16	0.37	3.40	0.38	42.9	9.1	10	17.35	8.7
R610500		0.33	0.344	4.28	6.66	710	1200	1.33	3.14	1.98	10.70	50.6	11.9	24	13.70	312
R610801		5.09	<0.005	0.10	6.98	9.2	2140	1.52	0.73	3.19	0.10	45.5	8.5	11	13.15	7.9
R610802		0.88	<0.005	0.46	6.89	68.2	1750	1.25	0.82	2.99	5.19	51.3	7.9	10	12.75	9.1
R610803		2.49	0.098	1.45	7.21	391	1230	1.29	1.25	3.21	1.55	47.2	10.4	11	9.37	6.9
R610804		3.82	<0.005	0.17	6.51	63.9	1460	1.31	0.27	3.48	0.20	44.4	10.4	9	23.8	19.3
R610805		6.82	<0.005	0.10	7.17	23.9	1970	1.54	0.29	2.76	0.19	42.7	8.7	12	15.50	8.7
R610806		3.09	0.014	0.38	7.08	62.9	1280	1.15	0.47	2.55	0.50	45.9	9.7	13	14.75	7.0
R610807		6.54	<0.005	0.06	6.87	6.9	2160	1.47	0.07	2.84	0.14	45.5	8.2	15	13.35	11.3
R610808		1.76	0.048	10.50	6.03	137.0	590	1.36	1.15	4.30	14.10	49.9	10.0	7	18.35	35.3
R610809		4.57	<0.005	0.02	0.05	0.4	20	<0.05	0.04	20.5	0.09	1.21	0.7	1	0.16	1.9
R610810		8.23	<0.005	0.18	6.86	12.8	1860	1.17	0.50	2.87	0.57	41.3	8.4	10	18.15	9.5
R610811		2.15	<0.005	0.29	7.71	18.8	2650	1.14	0.62	1.17	0.46	47.6	8.4	10	16.75	7.1
R610812		5.07	0.010	0.98	7.23	96.8	1690	1.26	1.00	1.96	4.36	42.1	9.3	10	12.45	21.8
R610813		1.73	0.108	18.85	3.45	449	420	0.76	0.32	9.66	48.2	24.7	5.4	5	7.65	17.0
R610814		2.97	0.110	6.78	7.18	137.5	1010	1.47	0.38	2.67	1.81	48.4	8.1	9	18.95	139.5

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 8-AUG-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15108859

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
R610479		3.10	16.80	0.14	1.0	0.043	2.53	19.2	11.5	0.82	720	1.05	2.20	8.2	4.5	630
R610480		3.06	17.00	0.16	1.0	0.040	2.58	20.2	12.1	0.79	689	1.08	2.24	8.1	2.9	610
R610481		3.06	17.20	0.17	1.0	0.041	2.60	21.1	17.2	0.67	652	0.96	1.68	8.5	2.9	630
R610482		2.84	15.65	0.16	1.1	0.039	1.95	20.8	87.3	0.86	979	0.84	0.10	7.9	2.5	600
R610483		2.92	16.45	0.17	1.2	0.039	2.14	25.4	130.5	1.00	1090	0.99	0.04	8.1	2.8	620
R610484		6.45	15.80	0.16	1.0	0.790	2.92	26.0	18.7	0.75	1820	8.59	0.12	6.7	12.4	520
R610485		2.90	14.65	0.16	1.0	0.032	2.40	25.0	101.5	1.26	1340	1.83	0.05	7.1	2.4	540
R610486		2.73	17.00	0.14	1.2	0.040	2.45	18.5	52.8	0.57	796	21.5	0.10	8.8	3.0	630
R610487		3.13	13.40	0.16	1.2	0.050	2.30	22.6	68.8	1.82	2700	2.95	0.03	7.6	10.1	510
R610488		2.65	15.40	0.15	1.5	0.033	2.60	20.0	90.2	1.26	1260	2.15	0.04	7.9	2.8	560
R610489		2.61	14.90	0.16	1.5	0.036	2.53	20.1	85.7	1.19	1240	3.21	0.04	8.2	2.7	580
R610490		2.90	15.20	0.17	1.0	0.033	2.78	26.0	107.5	1.39	2190	1.18	0.03	7.5	2.7	570
R610491		3.69	13.55	0.16	0.9	0.047	2.86	22.8	17.6	1.59	4250	1.25	0.02	6.3	2.4	460
R610492		0.47	0.26	0.15	<0.1	0.006	0.03	0.6	1.2	12.55	228	0.07	0.01	0.2	1.4	180
R610493		3.00	16.30	0.18	1.3	0.035	2.72	21.5	19.0	0.73	830	1.17	1.01	9.0	2.6	650
R610494		3.07	15.30	0.19	1.3	0.038	3.05	25.5	29.4	1.09	1630	1.07	0.36	8.5	2.9	570
R610495		2.69	16.45	0.18	1.1	0.048	3.25	22.4	44.2	0.87	1390	2.69	0.20	7.9	2.8	630
R610496		3.40	17.50	0.16	1.1	0.038	2.91	21.2	39.0	0.87	730	0.66	0.33	8.4	2.7	660
R610497		6.13	14.75	0.15	0.9	0.158	2.86	23.8	70.2	1.29	3350	4.04	0.03	6.7	2.7	540
R610498		2.94	14.25	0.16	1.0	0.032	2.26	24.5	199.5	1.35	926	2.54	0.03	7.1	3.5	570
R610499		2.53	15.85	0.16	1.1	0.039	2.37	20.6	283	0.89	738	0.86	0.29	8.3	3.1	660
R610500		4.83	15.25	0.17	1.0	0.305	2.94	28.7	23.4	0.75	1880	13.35	0.14	6.1	14.2	510
R610801		3.09	17.05	0.17	1.2	0.039	2.43	21.1	15.9	0.79	667	1.18	2.24	8.6	2.9	650
R610802		3.02	16.55	0.19	1.1	0.118	3.15	25.6	32.7	0.80	2120	0.98	0.53	8.8	2.7	660
R610803		3.62	16.05	0.19	1.0	0.174	3.37	24.2	17.1	0.98	3890	1.53	0.16	7.7	2.7	610
R610804		2.74	16.05	0.18	1.0	0.043	2.61	21.6	96.2	0.76	856	0.96	0.62	7.7	2.7	590
R610805		3.16	16.85	0.21	1.1	0.050	2.61	19.7	27.2	0.81	766	1.55	1.91	8.4	2.9	660
R610806		3.12	16.25	0.18	1.1	0.106	2.63	22.7	64.4	0.86	1480	2.92	0.08	8.0	2.6	630
R610807		2.98	16.30	0.16	1.0	0.038	2.56	21.8	22.3	0.79	685	1.70	2.08	7.9	5.4	630
R610808		4.22	13.45	0.16	0.8	0.227	2.68	28.1	47.7	1.50	6010	1.48	0.07	6.1	3.3	490
R610809		0.45	0.22	0.14	<0.1	<0.005	0.02	0.6	1.0	12.65	208	0.08	0.01	0.2	1.5	170
R610810		2.91	15.70	0.21	1.2	0.037	2.66	20.0	24.7	0.68	711	0.79	0.87	8.0	2.8	640
R610811		2.83	17.55	0.18	1.2	0.045	2.57	23.9	28.6	0.55	1080	0.99	0.09	8.1	2.5	610
R610812		3.14	16.90	0.17	1.1	0.136	2.72	20.1	39.6	0.71	2580	0.86	0.06	7.9	2.4	620
R610813		5.66	7.53	0.10	0.5	0.641	1.54	13.8	15.2	3.46	9590	0.69	0.02	3.1	1.7	250
R610814		3.80	16.10	0.14	1.1	0.171	3.53	24.4	37.0	0.91	7030	0.83	0.05	7.4	2.6	580

***** See Appendix Page for comments regarding this certificate *****

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VANCOUVER BC V6B 1L8

Finalized Date: 8-AUG-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15108859

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
R610479		17.0	86.9	<0.002	0.05	2.43	12.0	1	1.8	399	0.62	<0.05	9.9	0.272	1.01	3.2
R610480		17.5	88.1	<0.002	0.05	2.20	11.0	1	1.7	412	0.61	<0.05	10.5	0.269	1.11	3.2
R610481		18.0	89.4	<0.002	0.21	5.94	11.9	1	1.8	314	0.63	<0.05	11.2	0.275	1.12	3.5
R610482		11.2	67.6	<0.002	0.24	25.7	11.0	1	1.7	101.0	0.60	<0.05	10.6	0.256	1.32	3.4
R610483		17.7	75.6	<0.002	0.14	22.0	11.4	1	1.6	119.0	0.63	<0.05	12.6	0.260	1.62	3.4
R610484		1270	169.0	<0.002	4.65	67.4	9.7	2	8.3	97.6	0.53	1.15	12.6	0.203	2.66	5.4
R610485		25.0	112.5	<0.002	0.19	20.8	10.3	1	1.4	138.0	0.58	<0.05	11.5	0.228	2.16	4.7
R610486		15.3	76.4	0.002	0.06	14.10	10.9	1	1.8	100.5	0.73	<0.05	11.0	0.278	1.31	3.0
R610487		71.4	126.5	0.003	0.37	37.1	11.8	1	1.4	125.5	0.73	<0.05	13.1	0.226	2.43	6.3
R610488		19.8	89.4	<0.002	0.25	16.15	9.9	1	1.6	140.0	0.79	<0.05	13.5	0.231	2.51	5.2
R610489		22.9	90.8	<0.002	0.24	16.95	9.8	1	1.5	132.5	0.80	<0.05	13.1	0.241	2.53	5.4
R610490		54.5	138.5	<0.002	0.77	24.2	10.4	1	1.4	124.5	0.62	<0.05	11.7	0.248	2.48	5.8
R610491		414	190.5	<0.002	2.10	26.2	8.7	1	1.4	80.9	0.57	<0.05	10.9	0.204	2.57	4.6
R610492		1.7	1.6	<0.002	<0.01	0.08	0.2	<1	<0.2	50.9	<0.05	<0.05	0.2	<0.005	0.02	1.8
R610493		18.4	107.5	<0.002	0.07	5.91	11.1	1	1.9	245	0.84	<0.05	11.2	0.275	1.52	5.5
R610494		20.6	150.5	<0.002	0.33	8.42	10.6	1	1.7	182.0	0.80	<0.05	12.0	0.241	2.14	6.8
R610495		21.1	149.0	<0.002	0.76	10.00	11.0	1	1.5	138.0	0.63	<0.05	11.0	0.266	2.75	7.1
R610496		18.7	101.0	<0.002	0.12	9.16	12.6	1	2.4	139.5	0.66	<0.05	12.3	0.286	1.51	3.5
R610497		269	173.5	0.002	2.54	27.9	10.1	1	1.9	113.5	0.52	0.05	11.4	0.221	2.48	5.7
R610498		33.4	81.1	<0.002	0.50	22.2	9.1	1	1.3	186.5	0.58	<0.05	11.5	0.230	2.39	8.1
R610499		20.5	65.1	<0.002	0.18	13.65	10.8	1	1.7	242	0.65	<0.05	10.6	0.271	2.30	5.3
R610500		465	158.5	0.002	2.63	27.8	9.0	1	5.5	107.5	0.49	0.31	11.6	0.196	2.50	4.9
R610801		18.0	83.3	<0.002	0.10	3.04	12.4	1	1.6	406	0.67	<0.05	10.7	0.281	1.01	3.8
R610802		161.0	135.0	<0.002	0.46	7.36	13.1	1	1.5	180.5	0.64	<0.05	12.2	0.293	2.14	4.1
R610803		59.7	214	<0.002	1.90	15.10	10.5	1	1.7	94.7	0.58	<0.05	11.3	0.256	3.15	5.0
R610804		20.5	89.6	<0.002	0.21	11.20	10.9	1	1.7	231	0.62	<0.05	10.6	0.255	1.69	3.7
R610805		20.1	96.7	<0.002	0.09	4.01	13.0	1	1.8	360	0.63	<0.05	10.7	0.284	1.30	3.9
R610806		33.4	112.5	<0.002	0.70	13.90	11.3	<1	1.8	126.0	0.61	<0.05	10.0	0.272	2.14	3.1
R610807		19.1	93.4	<0.002	0.02	2.34	11.6	1	1.6	380	0.57	<0.05	9.2	0.274	1.08	3.0
R610808		1775	185.5	<0.002	1.20	52.8	9.6	1	1.8	136.0	0.46	<0.05	10.5	0.205	2.24	4.3
R610809		3.6	1.1	<0.002	<0.01	0.11	0.2	<1	<0.2	46.2	<0.05	<0.05	<0.2	<0.005	<0.02	0.6
R610810		31.7	89.9	<0.002	0.18	8.03	10.6	1	1.6	217	0.65	<0.05	11.0	0.275	1.30	3.1
R610811		61.4	112.5	<0.002	0.18	24.7	12.6	1	1.7	102.0	0.67	<0.05	13.7	0.266	1.28	3.3
R610812		310	108.5	<0.002	0.42	21.2	11.0	1	1.9	96.2	0.65	<0.05	11.7	0.264	1.84	3.0
R610813		1365	113.0	<0.002	1.29	25.4	5.6	1	2.0	184.0	0.25	<0.05	5.9	0.107	1.63	4.5
R610814		880	192.0	<0.002	0.83	205	10.7	1	1.7	115.0	0.59	<0.05	11.4	0.245	3.09	4.3

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
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Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 8-AUG-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15108859

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	V	W	Y	Zn	Zr
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	1	0.1	0.1	2	0.5
R610479		81	0.7	16.5	54	27.1
R610480		78	0.7	15.9	52	27.1
R610481		81	1.4	16.0	55	27.0
R610482		72	5.8	16.1	58	27.0
R610483		77	6.1	17.2	80	29.9
R610484		63	6.5	12.1	2350	30.0
R610485		69	2.7	16.9	77	25.7
R610486		79	8.4	14.5	58	30.6
R610487		85	4.6	19.1	109	27.5
R610488		67	7.8	16.9	72	35.3
R610489		67	8.0	16.8	69	35.4
R610490		72	4.3	15.3	90	26.5
R610491		61	3.3	14.6	228	23.6
R610492		3	0.1	0.8	19	<0.5
R610493		82	2.8	16.8	52	32.9
R610494		70	2.7	18.1	61	31.8
R610495		79	3.3	13.6	38	27.0
R610496		84	3.0	16.5	60	27.9
R610497		71	4.4	15.3	152	23.2
R610498		64	5.2	16.7	62	26.1
R610499		79	2.6	15.1	52	28.9
R610500		66	5.5	12.2	853	30.2
R610801		83	0.8	17.7	48	30.4
R610802		85	4.3	16.6	368	29.8
R610803		75	3.4	13.4	140	26.3
R610804		75	2.0	15.0	51	27.1
R610805		84	1.1	16.4	64	29.6
R610806		74	11.0	13.9	84	26.7
R610807		80	1.0	15.7	53	26.6
R610808		66	3.3	15.4	1130	23.0
R610809		3	0.1	0.8	16	<0.5
R610810		82	2.9	14.8	79	30.5
R610811		77	8.7	15.6	86	30.4
R610812		78	8.9	14.0	355	30.1
R610813		41	3.0	13.5	3900	11.2
R610814		73	4.0	15.7	235	27.1

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: KLAZA

Finalized Date: 8-AUG-2015
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH15108859

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	ME-MS61

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 7-AUG-2015
Account: ROCKHA

CERTIFICATE WH15108864

Project: KLAZA

P.O. No.: BATCH 73

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 26-JUL-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21d	Sample logging - ClientBarCode Dup
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
BAG-06	Double Bagging Coarse Rejects
SPL-21d	Split sample - duplicate
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31d	Pulverize Split - duplicate

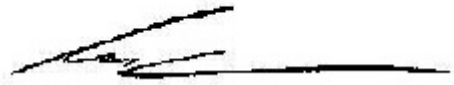
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Zn-OG62	Ore Grade Zn - Four Acid	VARIABLE
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
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VANCOUVER BC V6B 1L8

Finalized Date: 7-AUG-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15108864

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
M675239		4.26	0.009	0.38	7.32	18.1	1360	1.65	0.99	2.32	0.43	45.0	11.3	10	18.80	6.4
M675240		4.47	0.145	2.62	6.94	205	1270	1.37	1.27	1.14	21.9	44.3	9.9	8	11.90	17.9
M675241		6.35	0.108	1.75	7.17	124.5	710	1.62	1.08	2.25	22.0	49.2	13.7	9	15.00	20.9
M675242		1.66	0.600	4.94	5.82	325	990	1.25	4.94	2.02	70.8	35.9	11.5	7	11.20	44.5
M675243		6.11	0.028	0.90	7.24	63.9	1000	1.56	0.84	2.30	2.98	50.7	7.1	10	13.75	7.3
M675244		2.56	0.041	0.78	7.24	74.2	920	1.55	0.86	2.40	2.93	50.8	7.6	7	12.70	8.2
M675245		3.91	0.291	4.10	6.08	392	850	1.29	2.98	0.70	29.3	35.5	14.1	9	7.78	29.9
M675246		0.31	0.373	4.76	6.92	703	720	1.42	3.50	2.10	10.85	51.8	13.4	25	14.20	311
M675247		8.67	0.042	1.58	7.63	43.4	200	2.19	4.52	3.27	5.32	40.2	21.2	7	18.80	13.0
M675248		6.51	0.117	4.14	7.10	135.0	1000	1.31	2.63	1.38	5.22	37.3	14.8	10	6.72	87.9
M675249		3.22	0.907	22.0	6.36	190.5	3540	1.23	26.9	1.50	63.8	38.1	6.3	9	7.13	273
M675250		4.30	0.236	5.76	6.75	97.6	150	1.16	8.58	0.71	20.5	38.9	6.7	9	9.21	51.4
M675251		5.06	0.128	1.04	7.51	37.5	990	1.52	1.17	2.11	1.59	51.4	8.3	10	18.05	15.6
M675252		8.31	0.066	1.14	7.58	41.2	520	1.63	1.86	2.47	6.35	53.3	9.6	13	20.6	14.0
M675253		1.65	0.036	0.81	7.67	88.7	1190	1.86	0.80	1.88	2.09	51.9	9.0	8	29.7	6.8
M675254		5.53	<0.005	0.14	6.87	22.4	1140	1.86	0.24	2.92	0.45	61.6	5.9	16	18.60	5.9
M675255		11.63	<0.005	0.37	7.06	14.6	760	2.13	0.35	3.51	0.58	61.5	5.6	13	20.3	7.9
M675256		10.05	<0.005	0.15	8.22	23.2	1120	2.09	0.20	1.56	0.62	80.8	6.7	17	22.2	11.0
M675257		3.56	2.67	21.5	6.06	1270	690	1.29	16.40	0.63	419	43.6	10.6	9	14.60	334
M675258		4.18	<0.005	0.09	0.12	2.6	40	0.08	0.20	20.4	0.98	1.65	0.7	2	0.26	5.6
M675259		4.79	0.007	0.18	7.63	41.9	950	1.72	0.25	2.48	1.63	75.2	7.5	23	19.75	12.5
M675260		6.09	0.064	1.04	7.44	60.6	1200	2.15	1.38	2.56	5.13	71.5	9.0	23	23.7	33.5
M675261		2.37	0.145	2.93	7.95	175.0	660	1.77	3.05	1.69	6.75	58.4	8.8	16	17.75	39.7
M675262		0.30	0.894	11.60	6.44	1520	700	1.39	12.40	1.83	32.7	46.7	18.9	18	13.50	266
M675263		1.98	0.860	10.30	5.80	596	350	1.17	11.00	0.27	26.2	37.2	12.9	8	4.41	121.0
M675264		1.40	0.359	3.52	7.07	259	180	1.36	2.43	0.27	24.5	43.7	10.7	8	6.68	57.9
M675265		6.10	0.094	3.89	7.22	115.0	590	1.38	2.38	1.12	49.6	48.3	8.0	9	9.72	67.3
M675266		<0.02	0.114	3.61	7.32	112.5	670	1.39	2.22	1.14	48.6	50.5	8.1	8	9.77	65.8
M675267		3.18	0.324	10.70	7.19	172.5	260	1.34	12.80	0.85	152.5	51.5	7.2	11	7.20	317
M675268		6.86	0.038	0.61	7.59	24.3	1460	1.40	0.99	2.09	1.51	56.0	7.2	9	18.05	14.7
M675269		2.49	0.103	0.92	6.89	95.8	620	1.36	1.26	1.43	1.72	43.6	12.6	13	10.00	7.4
M675270		4.56	<0.005	0.03	0.07	<0.2	20	0.05	0.02	20.4	0.10	1.24	0.6	<1	0.18	2.2
M675271		7.36	0.010	0.24	7.31	17.7	1110	1.25	0.78	1.95	0.32	50.9	9.0	8	9.96	2.3
M675272		2.91	0.013	0.93	9.83	31.8	180	1.89	2.21	1.99	2.07	57.1	17.5	8	26.4	7.5
M675273		2.81	0.021	0.39	7.65	33.2	500	1.92	0.43	2.54	2.30	56.6	7.2	10	28.8	23.8
M675274		12.08	0.008	0.20	7.15	32.5	1740	1.60	0.10	3.16	0.10	54.9	6.6	9	24.7	7.4

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 7-AUG-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15108864

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
M675239		3.61	17.10	0.07	1.3	0.061	3.20	22.8	54.7	0.83	1260	1.51	0.04	7.2	2.6	590
M675240		6.26	14.85	0.08	1.1	0.379	3.20	21.6	8.8	0.62	3620	1.17	0.02	6.9	2.3	550
M675241		3.60	14.50	0.07	1.2	0.304	3.23	26.6	11.0	0.83	2090	2.03	0.03	7.5	2.4	520
M675242		6.59	12.15	0.06	1.0	1.105	2.72	18.8	14.1	0.79	1860	1.81	0.02	6.0	2.0	410
M675243		3.40	14.65	0.07	1.2	0.158	3.39	27.7	9.8	0.85	2580	0.57	0.03	7.5	2.3	540
M675244		3.58	14.55	0.07	1.2	0.165	3.39	27.7	9.9	0.90	2560	0.64	0.03	7.2	2.1	540
M675245		6.56	13.10	0.07	1.0	0.571	2.76	17.3	12.7	0.42	1340	0.85	0.03	4.6	2.1	430
M675246		5.15	15.10	0.07	1.1	0.317	3.03	29.2	21.7	0.80	1910	14.15	0.15	6.9	13.9	520
M675247		6.71	24.5	0.06	1.4	0.462	3.72	17.0	70.8	0.69	1630	0.18	0.21	8.6	2.4	670
M675248		6.76	16.45	0.08	1.2	0.172	3.52	15.9	6.5	0.77	1180	1.53	0.05	4.0	2.4	560
M675249		5.73	12.55	0.07	0.9	2.16	3.10	19.2	6.4	0.83	1640	0.66	0.04	3.4	1.9	490
M675250		6.63	16.90	0.08	1.0	0.734	3.30	19.3	6.2	0.61	1750	0.83	0.04	3.9	2.1	520
M675251		3.95	15.10	0.07	1.1	0.071	3.33	27.5	24.0	0.86	1100	0.55	0.05	5.5	2.3	570
M675252		4.20	15.15	0.08	1.2	0.182	3.00	28.5	71.2	0.85	1180	0.75	0.05	7.8	2.4	630
M675253		3.89	14.85	0.07	1.1	0.053	3.14	27.5	12.4	0.83	1660	1.04	0.03	8.1	2.2	610
M675254		2.31	19.50	0.08	4.1	0.033	2.30	30.1	194.5	0.67	511	0.92	0.04	11.4	4.6	1090
M675255		2.23	19.55	0.07	3.1	0.026	2.42	29.9	249	0.74	456	2.24	0.04	11.5	4.5	940
M675256		2.80	22.1	0.09	4.4	0.040	2.62	39.5	303	0.77	669	1.27	0.03	12.9	5.3	1240
M675257		5.20	13.00	0.07	1.8	13.75	2.15	21.1	62.1	0.45	487	12.20	0.03	5.6	5.5	730
M675258		0.50	0.29	<0.05	<0.1	0.037	0.05	0.8	2.0	12.60	223	0.20	0.01	0.2	1.7	220
M675259		2.74	18.15	0.09	4.2	0.083	2.36	37.6	130.5	1.15	678	0.86	0.02	11.4	7.2	1290
M675260		2.91	20.4	0.09	4.1	0.178	2.37	33.9	144.5	1.03	828	6.30	0.03	12.6	8.2	1350
M675261		5.13	18.15	0.07	2.9	0.258	2.95	27.1	103.5	0.93	877	3.59	0.04	8.4	5.9	1030
M675262		6.40	14.90	0.07	1.0	0.765	2.84	23.6	20.8	0.76	1720	8.58	0.12	6.8	11.5	510
M675263		7.09	12.80	0.07	0.8	0.519	2.83	17.5	7.9	0.31	270	0.92	0.03	5.0	2.2	430
M675264		6.24	15.00	0.07	0.8	0.531	3.46	21.1	5.5	0.36	792	1.19	0.03	6.8	2.5	520
M675265		5.36	15.85	0.07	0.9	1.095	3.39	24.7	6.4	0.72	1500	1.35	0.03	7.2	2.3	550
M675266		5.33	16.05	0.07	0.9	1.080	3.48	25.8	6.5	0.74	1500	0.98	0.03	7.1	2.4	550
M675267		5.32	15.45	0.07	0.9	5.81	3.46	26.0	4.9	0.57	1080	1.02	0.03	6.2	2.2	550
M675268		2.94	16.00	0.08	0.9	0.053	3.32	29.2	37.9	0.80	1000	0.90	0.04	6.3	2.2	590
M675269		5.31	13.75	0.08	0.8	0.104	3.18	21.2	19.2	0.70	775	1.31	0.04	4.7	2.4	510
M675270		0.49	0.17	<0.05	<0.1	0.007	0.03	0.6	1.0	13.00	215	0.07	<0.01	0.1	1.3	270
M675271		4.23	15.15	0.07	1.0	0.098	3.50	25.1	34.1	0.94	1100	0.92	0.05	4.2	2.1	560
M675272		6.12	25.4	0.09	1.5	0.132	4.56	25.2	155.5	0.86	1470	0.63	0.06	6.1	3.8	800
M675273		2.41	19.85	0.06	3.6	0.127	3.16	27.5	103.0	0.90	739	1.99	0.05	11.2	3.9	800
M675274		2.46	19.20	0.07	3.3	0.032	3.20	26.3	54.6	0.93	608	0.79	0.03	10.8	3.9	740

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 7-AUG-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15108864

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
M675239		42.9	148.5	<0.002	1.97	8.17	11.4	1	2.3	111.0	0.54	0.33	12.6	0.225	2.67	6.1
M675240		651	182.5	<0.002	4.47	12.00	10.8	1	4.8	53.1	0.50	0.19	12.1	0.220	3.16	3.6
M675241		376	195.0	<0.002	2.38	11.00	10.0	1	2.7	75.0	0.55	0.12	13.8	0.224	3.15	6.1
M675242		488	164.0	<0.002	6.14	13.10	7.7	1	3.2	73.6	0.45	0.29	10.8	0.178	2.64	5.0
M675243		204	206	<0.002	2.06	7.18	9.8	1	2.7	92.7	0.60	0.10	15.1	0.225	3.26	5.9
M675244		136.0	200	<0.002	2.24	6.41	9.7	1	3.0	90.7	0.58	0.12	15.1	0.222	3.13	5.9
M675245		534	168.5	<0.002	6.73	16.75	8.0	1	6.2	56.4	0.39	0.29	10.4	0.153	2.34	4.0
M675246		495	168.0	0.004	2.81	30.4	9.5	1	5.7	112.5	0.53	0.37	12.2	0.212	2.45	5.4
M675247		185.5	150.5	<0.002	5.24	5.60	11.7	1	8.1	183.0	0.71	1.66	11.9	0.267	3.63	5.3
M675248		448	190.0	<0.002	6.89	28.3	10.2	1	6.9	106.0	0.36	0.36	10.7	0.133	2.23	2.7
M675249		1080	173.5	<0.002	5.89	38.2	8.9	1	3.6	95.3	0.29	0.32	10.1	0.118	2.50	4.0
M675250		341	175.5	<0.002	5.41	11.25	9.5	1	4.1	34.5	0.32	0.13	10.8	0.136	2.56	3.3
M675251		78.7	186.0	<0.002	2.95	6.84	10.0	1	2.8	99.1	0.44	0.16	13.4	0.194	2.88	4.0
M675252		158.0	169.0	<0.002	2.52	6.06	11.1	1	3.4	166.0	0.60	0.20	14.3	0.250	2.55	4.7
M675253		116.5	173.5	<0.002	2.01	8.00	11.0	1	3.7	190.0	0.57	0.12	13.3	0.257	2.85	5.7
M675254		20.9	68.9	<0.002	0.09	9.97	5.1	1	1.6	732	0.71	<0.05	9.8	0.325	1.18	3.7
M675255		30.7	75.4	<0.002	0.06	10.35	4.5	1	1.4	305	0.76	<0.05	10.1	0.298	1.03	4.0
M675256		20.5	101.0	<0.002	0.07	14.65	5.9	1	2.2	801	0.78	<0.05	11.2	0.360	1.33	4.0
M675257		934	105.5	0.002	6.15	66.2	6.2	1	4.3	607	0.41	0.16	9.0	0.179	1.81	3.7
M675258		5.0	1.9	<0.002	0.01	0.27	0.2	<1	0.2	53.9	<0.05	<0.05	0.2	<0.005	0.03	0.5
M675259		13.1	94.5	<0.002	0.14	10.35	6.1	1	1.8	721	0.68	<0.05	9.6	0.362	1.14	3.6
M675260		45.3	79.5	<0.002	0.20	19.70	6.7	1	1.6	708	0.71	<0.05	9.3	0.380	1.35	5.3
M675261		109.0	138.0	<0.002	3.70	13.95	7.6	1	4.5	364	0.53	0.10	10.9	0.269	2.11	3.8
M675262		1270	160.5	<0.002	4.62	64.6	8.7	2	7.8	97.3	0.52	1.07	11.4	0.207	2.51	4.9
M675263		643	174.5	<0.002	7.55	15.05	7.4	1	8.3	23.4	0.38	0.24	9.1	0.165	2.08	3.3
M675264		1085	188.5	<0.002	6.08	7.25	9.2	1	6.8	20.9	0.49	0.16	11.0	0.213	2.70	2.5
M675265		1095	189.5	<0.002	3.39	5.74	9.6	1	8.2	48.2	0.49	0.15	13.1	0.222	3.17	4.3
M675266		1085	189.5	<0.002	3.33	5.55	9.8	1	8.4	48.8	0.52	0.15	12.6	0.222	3.11	4.4
M675267		930	183.0	<0.002	4.83	14.75	10.0	1	8.9	32.0	0.46	0.21	12.6	0.203	2.80	3.8
M675268		97.7	183.0	<0.002	1.69	4.76	10.5	1	2.7	148.5	0.50	0.13	14.2	0.218	2.85	4.7
M675269		154.5	163.5	<0.002	5.17	3.68	8.6	1	3.8	109.0	0.39	0.21	11.1	0.163	2.46	3.9
M675270		2.5	1.2	<0.002	0.01	0.08	0.2	<1	<0.2	50.1	<0.05	<0.05	<0.2	<0.005	0.02	0.5
M675271		12.8	168.5	0.002	3.46	2.79	9.2	1	2.3	101.5	0.37	0.14	13.8	0.144	2.61	3.8
M675272		116.0	211	<0.002	5.78	5.23	15.0	2	3.5	213	0.52	0.44	16.9	0.218	3.98	5.6
M675273		28.6	139.0	<0.002	0.29	25.7	7.7	1	2.6	456	0.79	<0.05	10.7	0.313	2.80	5.3
M675274		22.7	159.5	<0.002	0.24	14.85	7.1	1	1.5	404	0.77	<0.05	10.3	0.280	3.24	5.4

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 7-AUG-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15108864

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Zn-OG62
	Analyte	V	W	Y	Zn	Zr	Zn
	Units	ppm	ppm	ppm	ppm	ppm	%
	LOR	1	0.1	0.1	2	0.5	0.001
M675239		68	3.2	12.8	66	35.3	
M675240		67	4.8	11.2	1680	30.6	
M675241		61	4.4	12.7	1500	34.5	
M675242		50	4.1	11.3	4620	27.3	
M675243		61	3.3	14.3	271	34.9	
M675244		61	3.4	13.9	291	35.5	
M675245		55	6.5	9.3	1880	26.0	
M675246		67	5.0	12.4	885	33.1	
M675247		115	4.7	13.2	485	36.4	
M675248		68	4.0	9.4	398	31.7	
M675249		54	2.7	10.3	4120	24.9	
M675250		61	10.9	10.1	1300	28.7	
M675251		64	4.6	11.5	144	32.1	
M675252		74	3.7	12.7	465	31.9	
M675253		72	4.2	12.6	183	31.9	
M675254		52	1.7	9.7	117	161.5	
M675255		45	1.9	9.3	169	115.5	
M675256		59	2.7	11.7	153	182.5	
M675257		51	5.6	8.7	>10000	66.4	2.90
M675258		3	0.1	0.8	89	0.7	
M675259		65	2.9	12.4	181	183.5	
M675260		70	2.4	12.1	399	179.0	
M675261		63	3.5	10.1	518	121.0	
M675262		60	5.9	12.5	2300	31.0	
M675263		51	5.2	9.4	1940	21.6	
M675264		61	5.1	10.5	1940	23.4	
M675265		65	5.1	11.1	4570	24.2	
M675266		65	5.0	11.4	4490	25.3	
M675267		64	4.3	10.1	>10000	24.8	1.440
M675268		66	3.0	13.4	151	26.9	
M675269		57	3.2	12.9	183	24.0	
M675270		2	0.1	0.8	22	<0.5	
M675271		59	3.3	11.4	54	28.9	
M675272		95	5.2	16.2	178	44.5	
M675273		74	6.6	16.3	204	142.5	
M675274		66	6.8	15.0	62	125.5	

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: KLAZA

Finalized Date: 7-AUG-2015
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH15108864

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

Applies to Method:				
	BAG-06	CRU-31	CRU-QC	LOG-21
	LOG-21d	LOG-23	PUL-31	PUL-31d
	PUL-QC	SPL-21	SPL-21d	WEI-21

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:				
	Au-AA24	ME-MS61	ME-OG62	Zn-OG62

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 8-AUG-2015
Account: ROCKHA

CERTIFICATE WH15108865

Project: KLAZA

P.O. No.: BATCH 74

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 26-JUL-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21d	Sample logging - ClientBarCode Dup
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
BAG-06	Double Bagging Coarse Rejects
SPL-21d	Split sample - duplicate
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31d	Pulverize Split - duplicate

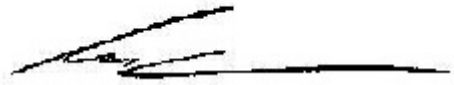
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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VANCOUVER BC V6B 1L8

Finalized Date: 8-AUG-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15108865

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
M675275		8.18	<0.005	0.13	7.72	24.1	2240	1.82	0.10	3.81	0.05	55.9	6.3	9	26.1	7.4
M675276		7.32	0.009	0.29	7.46	32.7	2810	1.73	0.24	4.08	0.31	51.9	7.2	9	25.5	7.8
M675277		11.48	0.119	1.85	7.67	14.2	500	1.72	2.15	2.89	8.45	49.4	9.5	11	12.65	19.6
M675278		5.34	0.012	0.52	8.40	14.8	190	1.90	1.11	3.43	0.48	38.6	21.9	8	18.85	2.7
M675279		4.80	<0.005	0.15	7.05	5.5	360	1.35	0.57	2.78	0.19	44.1	6.7	9	16.15	3.1
M675280		5.92	<0.005	0.18	7.37	5.3	270	1.47	0.65	2.50	0.65	45.7	6.9	10	15.20	3.7
M675281		2.91	<0.005	0.17	7.33	5.3	320	1.49	0.60	2.52	0.31	41.0	7.3	12	15.35	3.7
M675282		2.99	0.231	3.20	7.21	114.0	430	1.43	3.13	1.49	69.4	48.7	8.4	6	14.45	44.2
M675283		2.79	0.166	3.27	7.60	119.5	450	1.59	1.92	3.15	7.25	53.8	7.4	7	18.55	16.2
M675284		0.37	0.870	12.20	7.05	1650	850	1.53	13.00	2.00	34.1	47.9	18.3	19	14.85	299
M675285		3.39	4.61	18.55	7.02	2130	820	1.40	6.97	1.42	67.2	46.1	9.3	8	8.35	176.5
M675286		3.01	0.394	1.74	8.01	2730	1460	1.69	1.20	1.98	14.25	58.8	5.4	9	19.00	50.2
M675287		6.92	0.594	1.75	8.27	50.7	1440	1.85	2.13	1.83	4.42	58.7	7.3	9	16.80	14.5
M675288		2.42	0.522	3.31	7.38	1955	580	1.58	3.01	1.69	51.4	50.6	20.5	9	13.60	83.7
M675289		4.62	<0.005	0.03	0.09	8.1	30	0.07	0.12	21.8	0.25	1.39	0.7	1	0.20	2.3
M675290		2.38	<0.005	0.18	8.08	13.0	2340	1.67	0.17	2.66	1.28	53.8	7.2	11	15.65	4.1
M675291		1.94	0.282	7.75	7.47	1180	520	1.45	2.27	1.80	143.5	50.7	6.5	9	13.15	115.0
M675292		2.05	<0.005	0.17	7.57	11.6	2670	1.61	0.16	2.50	1.18	47.9	5.2	9	19.40	2.9
M675293		1.72	0.550	1.36	6.77	1185	480	1.54	0.90	1.72	5.50	50.2	14.5	12	18.15	10.6
M675294		4.10	0.008	0.14	7.82	8.6	2250	1.57	0.22	2.68	0.45	48.4	7.0	12	11.50	5.5
M675295		3.09	0.025	3.73	7.74	55.1	700	1.82	1.13	2.36	23.4	54.4	6.5	9	19.05	53.1
M675296		4.03	<0.005	0.02	0.14	0.9	50	0.07	0.03	21.3	0.21	1.76	0.7	6	0.28	1.6
M675297		3.89	0.497	0.96	8.08	31.6	950	1.55	1.77	2.39	0.94	57.0	7.1	9	9.44	16.1
M675298		2.71	0.032	1.10	7.60	54.6	620	1.45	1.37	1.67	4.12	54.3	12.2	9	13.45	4.2
M675299		0.31	0.350	4.83	7.36	743	480	1.50	3.49	2.25	11.30	51.9	12.5	26	14.75	340
M675300		3.00	1.880	23.3	4.92	8550	240	0.95	24.2	0.41	46.7	33.5	10.3	9	5.34	54.1
M675301		7.29	0.070	3.29	7.21	339	500	1.54	3.49	1.77	8.74	53.4	8.5	8	16.45	59.9
M675302		9.03	0.010	0.29	7.52	39.1	790	1.35	0.73	3.06	0.48	51.5	7.2	7	18.75	7.7
M675303		4.44	<0.005	0.24	7.04	11.0	840	1.30	0.44	3.57	0.31	53.9	6.5	8	19.30	8.6
M675304		<0.02	<0.005	0.26	7.41	9.8	870	1.41	0.49	3.69	0.32	58.9	7.1	8	19.80	9.0
M675305		5.49	<0.005	0.25	7.21	11.2	1040	1.39	0.40	3.82	0.26	52.9	6.4	8	24.0	6.4
M675306		8.39	<0.005	0.29	7.57	23.4	710	1.59	0.48	2.74	0.55	51.6	6.5	9	21.4	8.4
M675307		1.46	0.286	34.8	5.05	312	140	0.99	13.90	1.66	74.9	16.65	3.6	9	10.30	455
M675308		4.54	0.027	0.95	7.90	14.0	1170	1.57	1.02	2.18	2.84	58.6	8.8	10	15.90	5.0
M675309		8.12	<0.005	0.39	7.95	10.6	1630	1.59	0.54	2.67	2.65	54.4	5.7	10	16.15	6.0
M675310		8.20	<0.005	0.32	8.25	14.3	1110	1.54	0.73	2.72	0.33	57.4	9.9	10	18.15	3.3

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 8-AUG-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15108865

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
M675275		2.57	18.05	0.20	3.3	0.033	3.34	27.8	63.0	1.11	612	0.91	0.03	10.0	4.2	780
M675276		2.75	18.30	0.21	3.7	0.041	3.84	24.5	71.9	1.11	717	1.16	0.07	11.2	4.3	790
M675277		3.37	16.15	0.19	1.2	0.353	3.18	23.7	70.9	0.89	818	0.86	0.90	5.9	2.6	620
M675278		4.71	20.5	0.17	1.1	0.099	3.52	16.7	38.4	0.82	893	7.12	1.10	6.6	2.5	660
M675279		3.18	14.50	0.17	0.9	0.024	2.99	21.3	72.2	0.91	487	0.39	0.68	5.6	2.1	540
M675280		3.59	13.95	0.14	1.0	0.021	2.71	22.1	39.6	0.71	408	0.35	1.19	5.9	2.0	560
M675281		3.11	14.65	0.14	1.0	0.020	2.85	19.2	38.8	0.70	451	0.40	1.16	6.0	2.2	560
M675282		5.16	14.65	0.15	0.9	1.125	3.23	25.1	29.0	0.64	585	0.72	0.03	5.2	2.0	540
M675283		5.27	14.85	0.15	0.9	0.286	3.25	28.1	42.7	1.09	3650	2.97	0.04	6.0	2.2	580
M675284		6.90	15.20	0.13	1.0	0.846	3.02	24.1	18.7	0.83	1860	8.98	0.13	6.4	12.5	560
M675285		6.43	15.20	0.10	0.9	1.540	3.31	23.5	10.1	0.65	3420	1.05	0.03	5.8	2.3	500
M675286		4.58	15.95	0.12	1.0	0.311	3.14	31.1	175.0	0.83	1810	0.87	0.03	7.8	2.3	620
M675287		3.37	15.75	0.13	1.2	0.235	2.47	31.2	610	0.72	1460	1.02	0.02	7.8	2.3	670
M675288		5.26	14.80	0.11	1.1	1.380	3.32	27.0	62.5	0.71	1550	3.66	0.03	6.4	3.0	550
M675289		0.54	0.22	0.07	<0.1	0.011	0.04	0.7	2.8	13.45	237	0.08	<0.01	0.2	1.4	170
M675290		3.65	16.35	0.14	1.2	0.057	3.35	26.5	42.0	0.89	674	1.13	1.18	8.2	2.4	630
M675291		4.92	15.70	0.12	1.1	1.880	3.50	27.2	10.4	0.86	1580	0.78	0.03	6.5	2.2	530
M675292		2.78	15.80	0.15	1.2	0.049	3.30	22.9	105.5	0.69	559	0.91	0.86	8.0	1.8	600
M675293		4.28	13.75	0.12	0.9	0.232	2.97	26.4	123.5	0.63	667	9.08	0.07	6.2	3.2	510
M675294		3.07	15.65	0.14	1.1	0.141	2.91	23.9	19.6	0.77	513	1.01	1.71	7.8	2.3	600
M675295		4.41	15.05	0.12	1.2	0.761	2.90	27.8	152.5	0.76	1090	2.18	0.04	7.4	2.4	560
M675296		0.53	0.34	0.08	<0.1	0.011	0.06	0.8	2.0	13.10	232	0.28	0.02	0.3	5.4	210
M675297		3.70	15.80	0.18	1.0	0.098	3.66	30.3	59.0	0.95	1000	0.33	0.04	4.8	2.3	620
M675298		4.38	15.25	0.14	0.9	0.136	3.53	29.7	13.2	0.79	1480	22.0	0.06	4.4	2.5	540
M675299		5.39	15.50	0.13	1.1	0.324	3.19	28.0	24.5	0.86	2000	13.65	0.16	6.3	15.2	550
M675300		11.05	10.40	0.10	0.7	0.397	2.32	17.0	15.0	0.32	575	4.75	0.02	2.9	6.7	340
M675301		3.96	14.75	0.10	1.0	0.253	3.10	29.0	23.4	0.68	922	1.84	0.04	5.4	2.4	520
M675302		3.23	15.10	0.10	1.1	0.045	2.90	26.9	45.1	0.86	635	1.94	0.30	6.1	2.1	580
M675303		3.10	15.15	0.11	1.0	0.028	2.90	26.8	42.0	0.79	745	1.00	0.21	5.2	2.2	570
M675304		3.12	15.35	0.13	1.0	0.030	2.90	30.4	44.8	0.82	748	0.79	0.22	5.6	2.0	600
M675305		2.86	14.90	0.13	0.9	0.037	2.80	27.0	56.4	0.69	1020	0.19	0.05	6.2	2.1	610
M675306		2.99	15.15	0.12	0.9	0.031	2.98	27.0	98.6	0.86	875	0.97	0.05	6.4	2.1	590
M675307		3.88	10.75	0.09	0.6	0.707	2.24	3.4	36.3	0.67	1820	6.99	0.02	3.7	1.8	300
M675308		3.10	15.85	0.14	1.1	0.063	3.40	31.6	119.0	0.92	926	0.89	0.04	5.7	2.3	600
M675309		2.83	15.85	0.14	1.1	0.103	3.17	28.5	57.0	0.93	575	0.57	0.44	6.9	2.1	630
M675310		3.06	16.15	0.15	1.1	0.027	3.22	31.7	53.5	0.99	577	1.99	0.41	7.7	2.2	680

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 8-AUG-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15108865

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
M675275		16.9	185.0	<0.002	0.20	17.50	7.1	1	1.4	462	0.77	<0.05	9.5	0.296	3.14	5.3
M675276		19.2	162.5	<0.002	0.26	20.8	7.4	1	1.5	464	0.77	<0.05	8.6	0.318	3.65	5.4
M675277		147.0	144.0	<0.002	2.08	5.14	9.6	1	2.1	361	0.50	0.20	11.4	0.216	2.35	4.2
M675278		92.8	155.0	0.004	3.84	4.08	12.0	1	2.9	436	0.59	0.39	10.6	0.248	2.79	4.9
M675279		14.4	130.0	<0.002	2.23	4.80	9.0	1	1.4	383	0.49	0.16	10.7	0.201	1.93	3.5
M675280		41.4	123.0	<0.002	3.20	5.16	9.3	1	1.6	321	0.51	0.28	12.8	0.203	1.81	4.2
M675281		28.1	117.5	<0.002	2.53	5.01	9.0	1	1.4	322	0.51	0.20	10.6	0.211	1.89	3.9
M675282		522	204	<0.002	5.22	8.50	9.5	1	5.1	133.0	0.44	0.25	12.0	0.187	2.81	4.5
M675283		772	186.0	<0.002	3.90	14.30	10.6	1	3.7	166.5	0.49	0.19	13.1	0.213	2.93	4.6
M675284		1350	174.5	<0.002	5.01	66.5	9.0	1	7.9	99.2	0.54	0.97	11.2	0.223	2.76	6.0
M675285		574	180.5	<0.002	5.30	45.5	8.3	1	12.3	75.1	0.49	0.43	10.8	0.204	2.76	4.1
M675286		273	161.5	<0.002	1.40	28.6	10.3	1	5.0	221	0.66	0.06	14.6	0.267	2.83	5.0
M675287		158.5	133.5	<0.002	1.14	22.9	10.2	1	2.0	311	0.66	0.09	16.9	0.268	2.27	5.7
M675288		697	213	0.004	3.66	17.70	9.0	1	4.3	107.0	0.53	0.31	12.8	0.219	3.12	5.1
M675289		4.2	1.9	<0.002	0.02	0.15	0.2	<1	<0.2	52.9	<0.05	<0.05	<0.2	<0.005	0.02	0.5
M675290		69.7	140.5	<0.002	0.45	4.39	10.4	1	2.1	315	0.67	<0.05	14.8	0.276	2.00	4.9
M675291		2950	231	<0.002	2.49	10.10	9.1	1	5.1	73.9	0.55	0.08	14.9	0.219	3.44	4.9
M675292		42.1	122.5	<0.002	0.32	9.15	9.9	1	1.6	288	0.69	0.05	13.0	0.267	1.93	4.4
M675293		209	157.5	<0.002	3.09	38.1	8.8	1	2.0	143.5	0.52	0.28	11.7	0.213	2.22	40.1
M675294		20.9	111.5	<0.002	0.38	2.88	9.7	1	1.6	336	0.65	0.06	13.1	0.261	1.39	4.4
M675295		1430	141.0	<0.002	1.95	17.80	9.5	1	3.7	202	0.67	0.07	14.9	0.243	2.08	6.0
M675296		8.5	2.6	<0.002	0.01	0.14	0.2	<1	<0.2	54.7	<0.05	<0.05	0.2	0.005	0.03	0.7
M675297		71.9	227	<0.002	2.63	7.07	10.0	1	3.5	88.7	0.42	0.29	15.4	0.197	2.78	7.1
M675298		292	209	0.002	3.67	16.95	9.9	1	2.7	101.5	0.40	0.48	13.4	0.177	3.17	8.3
M675299		512	173.0	0.004	2.96	29.5	9.2	1	5.6	114.5	0.54	0.35	11.2	0.226	2.64	5.5
M675300		6180	160.5	<0.002	>10.0	41.0	5.7	1	5.4	22.8	0.28	0.34	8.3	0.106	2.05	2.0
M675301		327	205	<0.002	3.25	15.30	8.7	1	2.7	103.0	0.48	0.22	14.0	0.189	2.78	3.9
M675302		46.9	132.0	<0.002	1.77	7.89	9.6	1	1.5	246	0.57	0.27	13.0	0.222	2.09	5.2
M675303		23.3	120.0	<0.002	1.72	8.26	9.4	1	2.3	252	0.47	0.17	11.4	0.200	2.33	3.8
M675304		22.8	129.5	<0.002	1.80	8.66	9.8	1	2.4	261	0.47	0.20	13.6	0.207	2.30	4.1
M675305		24.2	138.0	<0.002	1.51	12.40	9.9	1	2.2	272	0.51	0.19	9.8	0.233	2.55	3.4
M675306		46.0	148.5	<0.002	1.73	12.25	9.6	1	1.4	235	0.53	0.18	11.1	0.237	2.70	4.2
M675307		4910	119.5	<0.002	3.57	112.5	5.8	1	4.3	169.0	0.32	0.18	5.1	0.136	2.12	64.3
M675308		166.0	182.5	<0.002	2.13	8.94	9.6	1	2.2	139.5	0.49	0.46	14.2	0.206	2.64	7.8
M675309		56.6	150.0	<0.002	1.43	5.35	10.3	1	1.9	240	0.60	0.16	13.8	0.241	2.03	5.3
M675310		25.0	165.0	<0.002	2.14	7.11	10.6	<1	2.1	203	0.68	0.24	14.3	0.254	2.27	5.5

***** See Appendix Page for comments regarding this certificate *****

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VANCOUVER BC V6B 1L8

Finalized Date: 8-AUG-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15108865

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	V	W	Y	Zn	Zr
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	1	0.1	0.1	2	0.5
M675275		70	6.6	14.9	62	127.5
M675276		75	10.2	15.1	79	142.5
M675277		69	2.1	11.2	562	36.7
M675278		96	2.6	14.3	83	29.0
M675279		65	1.4	12.9	46	25.8
M675280		64	2.1	14.0	62	28.0
M675281		65	2.0	11.6	42	28.6
M675282		64	5.4	12.0	4270	25.0
M675283		68	4.9	13.5	476	28.0
M675284		67	6.1	12.9	2470	30.8
M675285		59	6.6	12.2	4100	24.3
M675286		73	6.7	15.5	947	27.6
M675287		72	6.3	15.0	328	32.8
M675288		65	5.0	12.9	3310	29.4
M675289		2	0.1	0.8	34	<0.5
M675290		74	1.6	17.3	122	33.2
M675291		62	5.0	11.0	8800	30.4
M675292		71	1.2	15.3	116	31.6
M675293		63	2.1	16.1	395	25.7
M675294		71	1.0	16.7	62	30.7
M675295		68	2.4	15.1	2100	31.0
M675296		3	0.1	0.9	30	<0.5
M675297		68	2.3	15.6	119	29.5
M675298		72	3.8	12.3	347	27.7
M675299		71	5.6	13.2	931	32.4
M675300		41	4.5	8.6	2860	16.7
M675301		61	3.9	12.0	623	29.7
M675302		68	2.3	15.6	76	29.6
M675303		67	4.4	16.4	82	27.8
M675304		69	4.6	16.4	80	27.1
M675305		68	6.1	16.8	77	26.7
M675306		68	3.1	14.6	80	25.9
M675307		42	4.7	8.9	4900	16.5
M675308		66	2.7	14.8	245	28.2
M675309		73	1.9	15.0	196	29.9
M675310		73	2.6	15.6	63	31.9

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: KLAZA

Finalized Date: 8-AUG-2015
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH15108865

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	ME-MS61

ALS Canada Ltd.

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Finalized Date: 8-AUG-2015
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CERTIFICATE WH15108866

Project: KLAZA

P.O. No.: BATCH 75

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 27-JUL-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21d	Sample logging - ClientBarCode Dup
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
BAG-06	Double Bagging Coarse Rejects
SPL-21d	Split sample - duplicate
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31d	Pulverize Split - duplicate

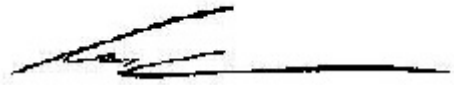
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 8-AUG-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15108866

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
R610815		8.58	<0.005	0.10	7.00	13.8	2020	1.48	0.22	2.75	0.31	44.1	7.5	17	15.40	12.1
R610816		<0.02	<0.005	0.10	6.97	14.9	2070	1.56	0.22	2.78	0.29	41.1	7.8	17	15.80	9.4
R610817		7.49	0.011	0.34	7.02	71.0	2070	1.57	0.31	2.63	3.88	48.0	7.8	17	11.90	12.3
R610818		1.72	<0.005	0.21	6.97	88.2	1510	1.36	0.61	2.63	0.21	39.9	7.4	10	28.4	10.6
R610819		4.40	0.026	0.88	7.00	195.5	1300	1.31	1.22	2.72	2.03	48.8	8.5	11	16.00	21.5
R610820		1.73	0.005	0.58	6.83	38.5	2850	1.51	0.86	2.67	0.47	45.4	7.6	9	19.75	11.9
R610821		2.06	<0.005	0.07	6.83	7.7	2030	1.28	0.13	2.58	0.12	33.4	6.2	10	23.1	9.9
R610822		1.54	0.017	34.8	6.75	75.6	2080	1.33	1.57	2.97	1.62	41.3	14.3	11	19.90	67.8
R610823		2.52	<0.005	0.10	7.63	6.4	2040	1.11	0.12	1.66	0.11	45.4	6.7	10	17.40	11.3
R610824		0.32	0.348	4.72	6.91	709	790	1.41	3.37	2.10	10.65	49.2	12.2	26	13.85	311
R610825		4.55	<0.005	0.81	7.39	9.4	2220	1.43	1.87	2.66	0.12	53.4	7.5	10	13.20	10.8
R610826		2.59	<0.005	0.53	7.29	10.1	2270	1.47	1.39	2.65	0.11	53.6	7.7	11	11.95	12.7
R610827		8.93	<0.005	0.23	7.37	15.7	1990	1.53	0.39	2.93	0.20	44.0	9.1	18	17.25	11.1
R610828		1.81	0.948	9.45	4.97	2790	160	0.99	0.92	3.93	15.80	29.9	8.0	10	8.15	23.1
R610829		4.53	<0.005	0.02	0.06	1.1	30	0.07	0.04	20.6	0.06	1.00	0.6	1	0.13	3.2
R610830		2.70	0.009	0.56	7.11	74.3	1520	1.51	0.39	3.14	0.66	50.6	8.3	7	24.0	8.8
R610831		9.99	<0.005	0.09	7.16	13.1	1810	1.44	0.15	3.19	0.12	40.5	7.4	11	21.1	9.6
R610832		8.00	<0.005	0.10	7.33	10.5	2240	1.60	0.28	2.90	0.12	47.9	8.9	14	12.95	13.6
R610833		4.55	<0.005	0.14	7.18	20.1	1670	1.53	0.64	2.26	0.24	40.4	13.3	11	22.2	6.8
R610834		4.81	0.007	0.28	7.14	30.7	5110	1.69	1.28	1.98	0.33	44.1	19.4	14	17.95	7.4
R610835		5.39	<0.005	0.09	7.26	12.4	2080	1.56	0.26	2.85	0.16	41.2	8.5	16	17.10	10.7
R610836		0.34	0.912	12.45	6.70	1540	990	1.52	12.40	1.90	32.9	46.4	18.7	19	13.90	287
R610837		7.41	<0.005	0.12	7.44	10.1	2270	1.47	0.20	2.75	0.13	49.2	7.9	14	11.95	14.2
R610838		4.48	0.005	0.24	7.21	30.1	1630	1.59	1.19	2.29	0.34	46.3	19.8	13	18.10	5.4
R610839		8.78	<0.005	0.12	7.48	10.5	2310	1.57	0.42	2.76	0.12	51.0	8.5	13	11.45	11.0
R610840		5.36	0.006	0.21	7.12	21.1	2290	1.45	1.47	2.58	0.09	43.3	16.1	14	12.55	17.9
R610841		2.34	0.011	0.31	7.14	27.5	2040	1.53	2.02	2.25	0.19	40.9	18.3	13	15.10	3.6
R610842		8.57	0.008	0.49	7.64	28.9	1410	1.60	0.90	2.38	0.91	53.0	9.7	13	20.3	21.8
R610843		1.09	0.415	6.60	5.49	2960	310	1.04	2.74	3.24	36.2	36.2	95.5	8	9.99	28.7
R610844		4.30	<0.005	0.07	7.10	10.9	1700	1.63	0.12	2.57	0.16	42.5	5.3	14	17.00	6.9
R610845		1.48	0.208	15.80	6.23	268	1060	1.84	11.55	2.50	10.80	43.3	13.0	12	18.40	233
R610846		4.10	<0.005	0.02	0.09	<0.2	50	0.05	0.04	19.95	0.08	1.22	0.7	1	0.21	1.6
R610847		7.78	<0.005	0.27	7.01	22.7	1440	2.10	0.18	2.98	0.33	56.4	6.3	18	22.4	13.3
R610848		2.72	0.017	3.71	7.09	58.8	2310	2.03	2.84	2.85	2.07	56.0	6.8	15	26.9	18.2
R610849		4.58	0.098	4.97	7.17	210	780	1.96	0.49	3.14	10.55	56.7	7.4	17	24.9	20.4
R610850		9.10	<0.005	0.35	7.10	39.7	720	2.07	0.18	2.63	0.41	64.7	6.6	15	25.2	8.0

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Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
R610815		2.92	15.35	0.12	1.2	0.036	2.62	21.5	21.4	0.77	704	2.07	1.96	7.6	5.0	600
R610816		3.07	15.60	0.13	1.2	0.036	2.66	19.9	22.2	0.76	718	1.78	1.98	7.7	3.1	590
R610817		3.05	15.65	0.12	1.2	0.042	2.70	23.2	20.3	0.80	718	1.54	1.91	7.6	2.7	590
R610818		3.18	15.65	0.14	1.2	0.036	2.90	18.8	52.8	0.75	1130	16.10	0.57	7.7	2.6	600
R610819		3.25	14.30	0.15	1.1	0.099	3.05	27.3	43.0	0.90	1920	1.56	0.11	6.9	2.4	530
R610820		3.26	14.00	0.14	1.0	0.093	2.56	25.1	56.7	0.98	1440	5.15	0.11	6.7	2.3	520
R610821		2.68	15.70	0.13	1.1	0.034	2.59	15.5	20.6	0.50	568	1.08	1.13	7.5	2.3	580
R610822		3.38	13.85	0.13	0.9	0.059	2.69	22.5	66.2	1.04	2450	1.37	0.19	6.4	2.9	550
R610823		2.95	15.80	0.14	1.1	0.040	2.61	22.9	31.1	0.57	687	1.91	0.26	7.9	2.3	650
R610824		5.06	15.20	0.14	1.1	0.297	2.98	27.9	25.0	0.80	1860	13.85	0.15	6.2	14.4	510
R610825		3.15	15.80	0.14	1.1	0.048	2.75	27.6	14.8	0.79	706	3.63	1.95	7.5	2.6	610
R610826		3.17	15.75	0.12	1.1	0.048	2.79	26.9	13.6	0.82	754	2.61	2.08	7.6	2.6	620
R610827		3.34	16.05	0.14	1.1	0.071	2.90	21.3	17.6	0.83	1410	3.25	1.66	8.0	2.9	620
R610828		4.64	10.50	0.11	0.7	0.267	2.26	15.5	16.3	1.37	6670	2.42	0.02	4.6	2.0	360
R610829		0.46	0.17	0.10	<0.1	<0.005	0.02	0.5	1.0	12.65	201	0.16	0.01	0.1	1.3	170
R610830		3.08	14.50	0.17	1.1	0.074	2.76	27.9	64.2	1.11	2080	1.89	0.07	7.0	2.4	570
R610831		2.96	15.70	0.15	1.1	0.035	2.41	20.7	53.5	0.74	682	2.29	0.93	7.5	2.4	590
R610832		3.17	16.20	0.16	1.2	0.043	2.72	23.9	17.4	0.87	668	2.81	2.22	8.0	3.0	630
R610833		3.06	16.10	0.14	1.1	0.078	2.94	19.4	124.5	0.70	813	1.52	0.30	7.8	2.5	620
R610834		3.11	16.10	0.13	1.1	0.091	2.77	22.6	186.0	0.76	906	1.69	0.05	7.6	3.0	620
R610835		3.10	16.45	0.13	1.3	0.046	2.67	19.4	73.9	0.80	720	1.24	1.69	8.1	3.6	640
R610836		6.57	15.10	0.13	1.1	0.795	2.87	24.2	19.0	0.79	1780	8.53	0.12	6.4	12.5	530
R610837		3.02	15.75	0.16	1.1	0.036	2.65	25.1	26.6	0.85	631	1.00	2.25	7.5	2.8	610
R610838		3.31	15.60	0.13	1.0	0.128	3.17	24.4	82.3	0.85	916	0.94	0.40	7.5	2.4	570
R610839		3.10	16.35	0.13	1.2	0.048	2.76	25.6	18.1	0.86	630	2.39	2.19	7.9	2.6	620
R610840		3.33	15.80	0.15	1.1	0.103	3.13	21.4	26.9	0.72	824	1.10	1.40	7.7	2.5	580
R610841		3.47	15.55	0.14	1.1	0.138	2.96	20.4	53.2	0.80	949	1.35	1.11	7.3	2.4	570
R610842		3.22	16.25	0.15	1.1	0.083	2.43	28.5	158.5	0.90	952	1.63	0.10	7.5	2.7	590
R610843		6.23	12.25	0.14	0.7	0.283	2.46	19.6	37.8	1.18	3570	1.57	0.03	5.1	3.5	430
R610844		3.08	16.40	0.12	1.1	0.046	2.41	20.5	62.6	0.79	630	1.96	0.82	8.1	2.5	620
R610845		3.74	13.35	0.12	1.3	0.228	2.15	23.9	46.3	0.87	1500	1.86	0.16	6.2	3.4	530
R610846		0.48	0.23	0.11	<0.1	<0.005	0.03	0.6	1.4	12.30	206	0.43	0.01	0.1	1.3	160
R610847		2.47	17.45	0.18	3.4	0.025	2.62	28.9	76.4	1.11	701	0.80	0.04	9.9	5.4	1080
R610848		2.21	17.35	0.16	2.9	0.077	2.06	27.4	124.0	0.86	760	1.49	0.04	12.1	4.3	940
R610849		2.92	17.20	0.15	3.3	0.052	2.86	29.8	44.8	1.13	1040	1.81	0.03	9.4	5.9	1000
R610850		2.56	17.25	0.15	2.9	0.030	2.45	34.6	73.6	0.99	941	1.30	0.04	10.3	5.0	970

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	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
R610815		25.6	96.2	<0.002	0.08	3.61	10.0	1	1.4	333	0.64	<0.05	11.7	0.275	1.29	3.5
R610816		24.1	92.1	<0.002	0.08	3.67	9.8	1	1.4	337	0.66	<0.05	10.9	0.275	1.29	3.4
R610817		21.6	96.9	<0.002	0.27	5.14	10.0	1	1.5	328	0.66	<0.05	12.1	0.268	1.31	3.6
R610818		25.5	105.5	0.005	0.26	11.15	10.5	1	1.7	207	0.65	<0.05	10.3	0.281	1.99	3.3
R610819		58.3	166.5	<0.002	1.19	16.45	9.6	<1	1.5	124.5	0.60	<0.05	12.7	0.247	2.37	4.2
R610820		120.5	134.0	0.002	0.48	20.9	9.5	<1	1.5	145.0	0.57	<0.05	11.4	0.233	2.23	4.9
R610821		18.4	90.7	<0.002	0.01	7.06	9.4	<1	1.6	251	0.61	<0.05	9.6	0.263	1.16	2.4
R610822		8620	155.5	<0.002	0.70	81.2	9.7	1	1.7	153.0	0.49	<0.05	10.0	0.240	1.99	3.8
R610823		20.9	88.2	<0.002	0.02	16.00	10.6	1	1.9	133.0	0.60	<0.05	9.9	0.295	1.06	2.5
R610824		484	162.5	0.003	2.79	27.5	8.8	1	5.6	108.0	0.51	0.29	11.3	0.213	2.47	5.0
R610825		22.7	105.5	<0.002	0.08	2.77	10.5	1	1.6	342	0.60	<0.05	12.5	0.274	1.14	3.2
R610826		21.0	103.5	<0.002	0.08	2.48	10.4	1	1.8	350	0.59	<0.05	12.4	0.273	1.18	3.3
R610827		34.5	117.5	<0.002	0.29	5.10	11.5	1	1.7	323	0.66	<0.05	10.9	0.288	1.59	3.5
R610828		625	161.5	<0.002	3.31	56.6	6.7	1	3.1	143.0	0.39	<0.05	7.9	0.164	2.23	3.3
R610829		2.3	1.0	<0.002	<0.01	0.09	0.1	<1	<0.2	45.6	<0.05	<0.05	<0.2	<0.005	<0.02	0.6
R610830		53.7	143.0	<0.002	0.50	16.40	10.2	1	1.8	183.5	0.60	<0.05	12.3	0.251	2.44	5.8
R610831		16.8	82.0	<0.002	0.06	10.00	10.0	1	1.6	280	0.63	<0.05	10.8	0.267	1.28	3.3
R610832		18.5	101.0	<0.002	0.05	2.46	10.6	1	1.6	376	0.66	<0.05	11.9	0.284	1.09	3.8
R610833		17.9	99.4	<0.002	0.19	11.20	10.3	1	2.4	190.5	0.65	<0.05	10.6	0.278	1.78	3.3
R610834		28.6	105.0	<0.002	0.45	15.20	10.8	1	2.7	173.5	0.59	<0.05	10.7	0.271	1.86	4.3
R610835		18.1	91.3	<0.002	0.04	6.50	10.9	<1	2.0	331	0.66	<0.05	10.4	0.292	1.18	3.3
R610836		1290	166.5	<0.002	4.80	65.1	8.9	2	7.7	95.6	0.54	1.22	11.2	0.213	2.55	5.3
R610837		18.7	98.4	<0.002	0.02	2.57	10.4	<1	1.6	378	0.62	<0.05	12.6	0.273	0.99	3.7
R610838		16.2	128.5	<0.002	0.34	10.80	10.2	1	2.8	179.0	0.59	<0.05	12.0	0.269	2.00	4.6
R610839		17.8	106.0	<0.002	0.05	1.99	10.7	1	1.7	367	0.63	<0.05	12.6	0.279	1.09	4.5
R610840		13.8	118.0	<0.002	0.24	3.56	10.6	1	2.8	252	0.64	<0.05	11.4	0.273	1.53	3.6
R610841		15.7	117.0	<0.002	0.43	3.86	10.0	1	3.0	187.5	0.59	0.08	11.0	0.264	1.71	4.4
R610842		86.2	108.0	<0.002	0.36	16.70	10.6	1	2.0	182.0	0.60	<0.05	13.4	0.271	1.91	4.3
R610843		582	147.0	<0.002	3.96	44.5	8.3	1	5.1	96.8	0.39	1.29	8.7	0.182	2.19	6.6
R610844		15.8	77.2	<0.002	0.03	7.77	10.5	1	1.8	257	0.67	<0.05	10.8	0.281	1.40	3.3
R610845		986	111.5	<0.002	1.90	51.1	7.9	1	2.8	250	0.48	0.34	10.0	0.217	1.87	7.2
R610846		2.4	1.3	<0.002	0.01	0.11	0.2	<1	<0.2	46.6	<0.05	<0.05	<0.2	<0.005	<0.02	0.5
R610847		44.7	96.1	<0.002	0.16	11.05	6.3	1	1.8	996	0.70	<0.05	8.4	0.299	2.60	4.0
R610848		387	64.6	<0.002	0.34	20.8	5.7	<1	2.0	322	0.77	0.08	8.6	0.280	2.13	8.5
R610849		469	148.5	<0.002	0.58	14.90	6.5	1	1.6	260	0.65	0.09	9.0	0.293	3.53	7.2
R610850		38.6	115.0	<0.002	0.15	13.80	6.2	1	1.2	294	0.70	<0.05	9.8	0.274	2.63	9.1

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 8-AUG-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15108866

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	V	W	Y	Zn	Zr
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	1	0.1	0.1	2	0.5
R610815		76	1.5	15.7	74	31.5
R610816		76	1.5	15.5	70	30.8
R610817		75	1.3	15.7	489	30.0
R610818		81	2.3	14.3	62	30.6
R610819		69	3.7	15.6	249	26.3
R610820		68	5.0	15.5	87	25.8
R610821		72	2.0	14.0	47	29.2
R610822		68	3.6	15.4	164	25.0
R610823		80	4.5	15.2	54	29.1
R610824		67	5.6	12.2	855	31.7
R610825		77	1.7	15.9	53	29.0
R610826		76	1.7	16.2	53	28.8
R610827		83	2.1	17.1	68	28.7
R610828		48	4.4	9.6	1350	16.6
R610829		2	0.1	0.7	17	<0.5
R610830		73	2.9	18.9	90	29.0
R610831		75	3.0	15.3	50	27.8
R610832		79	0.9	17.0	52	29.3
R610833		78	3.9	13.9	70	29.9
R610834		78	3.9	13.6	79	28.5
R610835		81	2.0	16.2	59	32.1
R610836		63	6.1	12.4	2340	32.6
R610837		75	1.1	16.9	54	27.2
R610838		73	3.4	13.5	75	26.9
R610839		77	1.5	17.1	51	31.9
R610840		77	2.6	14.6	54	28.1
R610841		74	3.0	13.0	66	27.7
R610842		75	3.0	16.0	117	28.5
R610843		61	3.8	10.8	2520	16.3
R610844		77	1.6	14.8	56	29.8
R610845		59	2.1	11.8	877	42.2
R610846		2	0.1	0.7	16	<0.5
R610847		62	1.7	12.7	75	134.0
R610848		54	2.6	12.0	185	103.0
R610849		64	1.7	14.9	831	127.0
R610850		58	2.2	14.7	81	115.5

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: KLAZA

Finalized Date: 8-AUG-2015
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH15108866

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	ME-MS61

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 7-AUG-2015
Account: ROCKHA

CERTIFICATE WH15108871

Project: KLAZA

P.O. No.: BATCH 76

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 26-JUL-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21d	Sample logging - ClientBarCode Dup
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
BAG-06	Double Bagging Coarse Rejects
SPL-21d	Split sample - duplicate
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31d	Pulverize Split - duplicate

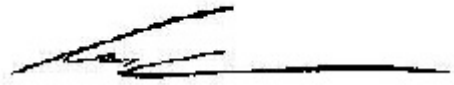
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Pb-OG62	Ore Grade Pb - Four Acid	VARIABLE
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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Finalized Date: 7-AUG-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15108871

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
M675311		2.15	0.027	1.19	7.01	24.5	620	1.28	1.54	2.63	3.84	50.5	18.1	12	16.95	8.4
M675312		3.98	0.075	3.71	6.04	93.8	430	1.53	5.02	2.59	2.26	61.0	36.6	8	17.35	14.9
M675313		7.16	0.056	0.94	7.63	102.5	1410	1.54	0.87	2.40	7.54	58.0	6.1	12	19.90	10.8
M675314		3.33	0.026	0.55	7.15	62.4	2010	1.25	0.49	1.90	3.93	45.4	5.4	11	16.45	10.2
M675315		6.61	0.025	0.30	7.33	114.5	1360	1.51	0.28	2.30	0.67	48.5	4.5	10	21.5	4.5
M675316		0.33	0.355	4.43	6.69	708	510	1.30	3.42	2.02	10.30	49.3	12.9	22	13.35	301
M675317		4.11	0.162	2.57	7.08	594	1220	1.55	2.26	2.07	9.00	59.4	7.8	8	27.3	37.1
M675318		8.14	0.013	0.30	7.07	16.5	2630	1.41	0.49	2.66	0.56	56.6	7.4	12	12.20	5.4
M675319		5.92	0.015	0.43	7.46	15.3	1430	1.68	0.77	2.21	0.90	52.8	7.1	9	17.90	7.9
M675320		1.81	2.29	64.0	4.60	3020	190	0.88	26.6	0.82	125.0	15.40	6.9	11	11.75	562
M675321		3.51	<0.005	0.14	0.07	2.4	80	0.06	0.05	19.95	0.16	1.17	0.6	1	0.19	3.5
M675322		6.08	0.085	1.02	6.81	69.4	510	1.34	0.72	2.70	9.31	48.7	9.8	8	20.1	6.9
M675323		3.91	0.931	39.5	3.99	1170	120	0.73	3.80	1.92	51.9	14.05	4.4	8	7.04	56.2
M675324		7.12	0.078	2.33	6.01	124.5	1130	1.19	0.89	1.54	26.8	44.1	4.6	6	13.05	19.1
M675325		3.32	0.084	2.99	7.29	139.5	1250	1.57	0.88	1.71	25.2	51.4	4.9	7	14.90	21.5
M675326		3.60	0.241	19.45	6.28	360	6050	1.13	1.32	1.84	42.1	36.8	12.9	5	20.5	11.6
M675327		2.78	0.056	1.32	7.06	59.6	1660	1.27	0.70	2.16	3.24	52.6	7.9	7	18.90	15.9
M675328		6.36	0.007	0.29	7.27	12.9	1810	1.52	0.69	2.63	0.43	51.4	9.5	14	15.60	5.9
M675329		1.82	0.048	1.22	7.45	73.6	2410	1.44	0.82	2.50	6.50	42.5	6.9	11	18.60	11.2
M675330		5.57	<0.005	0.01	0.07	0.5	30	0.05	0.03	20.5	0.09	1.26	0.6	1	0.23	1.8
M675331		2.52	0.005	0.32	7.26	21.3	1860	1.55	0.29	1.77	2.31	44.4	3.9	8	25.0	4.6
M675332		2.29	0.087	4.32	6.96	164.0	500	1.36	2.71	2.03	31.9	43.6	10.1	7	17.55	29.7
M675333		8.53	0.014	0.64	7.24	11.5	2010	1.57	0.87	2.33	3.61	47.8	7.2	15	14.15	6.0
M675334		5.49	0.016	0.40	7.29	19.8	2170	1.40	0.61	2.41	0.94	49.1	8.1	10	17.65	5.9
M675335		5.28	0.030	0.54	7.54	37.8	2500	1.41	0.69	2.25	1.54	46.1	6.9	10	19.85	5.4
M675336		<0.02	0.029	0.57	7.75	39.5	2500	1.40	0.73	2.41	1.63	47.5	7.5	11	20.5	5.6
M675337		7.34	<0.005	0.22	7.31	15.6	2300	1.60	0.58	2.81	0.22	48.3	6.5	15	18.90	20.5
M675338		4.51	0.008	0.30	7.48	24.1	950	1.53	0.65	2.78	0.33	50.6	9.7	8	15.55	8.9
M675339		3.80	0.040	0.55	7.57	55.4	1480	1.79	0.57	2.63	0.93	49.9	7.5	8	23.9	6.2
M675340		0.36	0.880	12.40	6.69	1590	1140	1.54	12.30	1.92	36.4	47.5	17.6	18	14.40	295
M675341		2.98	0.237	4.29	6.80	607	520	1.30	3.02	1.57	56.3	46.2	6.1	9	9.31	33.4
M675342		8.43	0.012	0.47	7.85	22.9	1830	1.62	0.72	2.43	0.71	56.3	6.4	8	24.2	6.9
M675343		3.23	0.011	0.62	7.25	20.8	640	1.76	0.76	2.39	1.28	47.5	8.9	9	20.9	8.0
M675344		1.54	0.595	8.05	5.84	273	1490	1.24	1.69	2.08	11.35	35.6	15.8	7	15.95	32.0
M675345		1.80	0.005	0.27	8.97	42.0	1280	2.24	0.30	0.59	0.16	71.6	7.3	32	37.4	14.9
M675346		2.10	0.139	0.16	7.41	61.3	550	2.45	0.24	3.03	0.22	53.7	6.2	33	39.3	14.5

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 7-AUG-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15108871

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
M675311		4.02	15.35	0.06	1.0	0.165	3.08	28.8	25.6	1.00	747	1.64	0.05	5.1	2.6	590
M675312		6.65	13.95	0.07	0.8	0.161	2.70	37.5	15.2	1.02	835	48.1	0.04	4.1	3.6	460
M675313		2.94	16.25	0.07	1.1	0.124	3.37	29.4	49.0	0.86	1020	1.36	0.05	8.4	2.0	600
M675314		2.61	15.30	0.07	1.1	0.083	3.55	21.7	71.9	0.71	696	1.50	0.10	8.4	1.8	580
M675315		2.67	15.70	0.08	1.1	0.054	3.07	23.7	70.4	0.76	668	0.73	0.37	8.2	2.1	560
M675316		4.95	14.85	0.06	1.0	0.299	2.93	26.9	25.8	0.77	1820	13.55	0.15	6.4	13.5	510
M675317		2.76	15.55	0.06	0.9	0.101	2.91	30.5	49.2	0.70	838	1.27	0.03	7.9	2.3	530
M675318		2.51	15.75	0.07	1.0	0.047	2.91	27.8	28.6	0.71	583	1.89	1.66	8.2	2.4	570
M675319		2.71	15.90	0.07	1.0	0.043	3.15	26.4	244	0.72	706	1.45	0.30	7.8	2.0	580
M675320		4.48	10.05	<0.05	0.6	0.923	1.87	4.0	38.9	0.35	1860	5.40	0.02	4.3	1.8	280
M675321		0.47	0.19	<0.05	<0.1	0.005	0.03	0.5	1.5	12.40	202	0.12	<0.01	0.1	1.3	170
M675322		3.53	15.20	0.07	1.1	0.126	2.99	24.1	32.9	0.81	1610	0.88	0.03	7.8	2.1	520
M675323		5.50	8.69	<0.05	0.6	0.845	1.77	3.1	27.4	0.70	3820	3.47	0.02	3.6	1.6	250
M675324		3.01	12.60	0.05	1.0	0.304	2.68	22.7	10.4	0.60	2450	0.96	0.02	6.2	1.6	470
M675325		3.75	15.25	0.07	1.1	0.294	3.28	26.8	13.4	0.70	3070	1.02	0.02	7.4	1.8	560
M675326		4.75	13.00	0.06	1.1	0.436	2.71	16.3	18.5	0.61	2340	5.16	0.02	4.9	2.9	450
M675327		3.66	14.05	0.08	1.1	0.053	3.25	27.6	12.3	0.77	2400	1.75	0.04	5.6	5.0	540
M675328		3.17	16.00	0.09	1.1	0.033	3.53	25.8	84.9	0.65	782	1.75	0.93	6.9	3.2	600
M675329		2.32	15.85	0.10	1.1	0.101	4.17	22.8	18.1	0.74	1020	0.97	0.56	7.0	2.4	620
M675330		0.47	0.21	0.05	<0.1	0.007	0.03	0.6	1.0	12.95	213	0.16	0.01	0.1	1.3	180
M675331		2.83	15.95	0.08	1.1	0.040	3.77	21.9	112.5	0.53	882	0.33	0.25	7.9	2.0	630
M675332		4.59	14.80	0.08	1.0	0.514	3.67	22.4	17.3	0.74	2770	0.53	0.05	6.3	2.1	590
M675333		3.27	15.15	0.08	1.1	0.137	3.63	25.0	17.0	0.76	745	0.86	1.05	6.7	2.2	610
M675334		3.13	15.95	0.10	1.1	0.050	3.43	25.7	45.3	0.82	711	0.63	0.21	7.3	2.4	650
M675335		2.76	15.20	0.10	0.9	0.033	3.32	24.6	29.1	0.79	1340	1.00	0.09	6.9	2.0	590
M675336		2.90	15.60	0.11	0.9	0.033	3.40	26.0	34.7	0.84	1440	1.03	0.10	6.8	2.2	610
M675337		2.80	16.45	0.12	1.0	0.047	3.19	25.2	26.1	0.70	605	0.76	1.62	7.2	2.3	610
M675338		2.80	15.90	0.11	1.1	0.054	3.58	26.0	59.7	0.74	838	0.53	0.29	6.7	2.0	640
M675339		2.85	16.25	0.11	1.1	0.036	3.10	26.7	118.5	0.83	1680	0.95	0.05	6.9	2.1	580
M675340		6.78	15.75	0.10	1.1	0.880	2.89	25.3	21.1	0.80	1890	8.77	0.13	6.0	12.4	550
M675341		5.67	16.10	0.09	1.0	0.878	3.25	25.5	12.2	0.67	2190	1.14	0.03	5.4	1.9	510
M675342		2.91	16.60	0.11	1.1	0.045	3.27	31.3	132.5	0.86	914	0.89	0.06	7.0	2.0	630
M675343		3.56	15.95	0.11	1.2	0.045	2.96	25.8	225	0.85	951	1.77	0.04	6.0	2.9	630
M675344		3.80	12.80	0.09	0.9	0.137	2.61	19.8	42.7	0.82	1160	11.45	0.04	4.2	4.5	460
M675345		1.82	22.4	0.12	4.1	0.041	3.22	39.0	48.4	0.38	627	1.91	0.07	10.0	20.9	770
M675346		2.09	20.4	0.13	4.5	0.034	3.00	27.9	171.5	0.87	514	4.32	0.07	9.0	21.5	740

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Finalized Date: 7-AUG-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15108871

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
M675311		80.0	161.5	<0.002	3.21	4.70	10.5	1	1.7	156.0	0.42	0.26	13.5	0.171	2.45	3.2
M675312		332	146.5	0.014	6.15	61.1	7.7	1	2.1	127.5	0.33	0.71	12.1	0.146	2.84	483
M675313		180.5	149.0	<0.002	1.67	9.47	10.6	1	2.6	190.5	0.65	0.20	15.7	0.251	2.68	8.0
M675314		86.5	130.5	<0.002	0.71	8.53	10.4	1	1.9	192.0	0.65	0.07	12.4	0.253	2.22	6.3
M675315		48.0	126.0	<0.002	0.56	9.47	10.3	1	1.8	223	0.63	0.06	14.8	0.249	2.39	4.9
M675316		475	153.5	0.003	2.68	29.3	8.4	1	5.5	109.0	0.49	0.32	11.9	0.204	2.46	5.2
M675317		324	144.0	<0.002	1.55	24.7	9.3	1	3.4	178.0	0.60	0.10	13.7	0.230	2.67	4.8
M675318		36.5	118.5	<0.002	1.08	3.41	10.1	1	2.1	914	0.62	0.14	13.0	0.241	1.67	4.1
M675319		49.7	147.0	<0.002	1.41	13.25	10.0	1	2.0	337	0.56	0.26	13.2	0.239	2.00	4.7
M675320		9270	106.5	<0.002	4.04	252	5.2	1	4.7	145.5	0.33	0.25	5.0	0.135	1.92	5.7
M675321		13.6	1.2	<0.002	0.01	0.43	0.1	1	<0.2	49.1	<0.05	<0.05	<0.2	<0.005	0.02	0.8
M675322		297	169.0	<0.002	1.97	10.15	9.2	1	2.3	172.5	0.61	0.19	12.9	0.226	3.04	5.5
M675323		>10000	114.5	<0.002	4.88	65.2	4.9	1	5.0	146.0	0.29	0.12	4.5	0.108	2.04	2.1
M675324		594	155.5	<0.002	1.43	10.45	7.9	1	2.7	140.5	0.52	0.08	11.4	0.188	2.63	4.0
M675325		875	187.0	<0.002	1.84	14.85	9.0	1	3.9	161.0	0.62	0.12	13.9	0.218	3.13	5.0
M675326		5490	176.0	<0.002	4.75	31.9	8.1	2	2.6	153.5	0.46	0.28	10.2	0.159	2.65	5.5
M675327		281	183.5	<0.002	2.80	10.50	8.9	1	2.9	126.0	0.57	0.30	11.6	0.220	3.31	10.1
M675328		32.9	152.5	<0.002	1.51	6.06	9.8	1	1.7	260	0.60	0.32	11.8	0.255	2.57	4.6
M675329		213	169.5	<0.002	1.14	8.71	9.2	1	1.5	203	0.63	0.16	12.4	0.260	2.86	4.8
M675330		2.1	1.3	<0.002	<0.01	0.09	0.1	<1	<0.2	48.7	<0.05	<0.05	<0.2	<0.005	0.02	0.6
M675331		101.5	140.5	<0.002	0.58	10.80	11.8	1	1.5	226	0.65	0.10	10.9	0.296	2.70	4.4
M675332		1090	162.0	<0.002	2.85	13.10	9.0	1	3.5	121.5	0.55	0.23	11.6	0.245	3.14	4.8
M675333		86.0	150.0	<0.002	1.44	4.79	9.8	1	1.9	248	0.58	0.27	11.5	0.251	2.53	4.5
M675334		124.5	137.5	<0.002	1.25	8.53	10.6	1	1.9	191.5	0.63	0.24	13.1	0.275	2.49	4.6
M675335		53.7	158.5	<0.002	1.91	9.05	9.7	1	2.0	166.5	0.58	0.25	12.1	0.264	3.21	4.4
M675336		62.1	169.5	<0.002	2.02	9.39	10.1	1	2.0	175.0	0.59	0.24	12.3	0.262	3.31	4.5
M675337		20.0	114.0	<0.002	0.93	4.06	10.2	1	2.2	368	0.62	0.20	13.1	0.259	2.04	4.3
M675338		24.2	132.0	<0.002	1.58	8.46	10.5	1	2.4	224	0.61	0.21	12.6	0.245	2.33	4.3
M675339		49.3	134.5	<0.002	1.76	10.60	9.9	1	2.2	207	0.62	0.19	13.7	0.257	3.22	5.3
M675340		1360	164.5	<0.002	4.76	70.2	9.3	2	8.2	101.0	0.53	1.12	11.4	0.217	2.73	5.6
M675341		1040	207	<0.002	5.10	13.95	8.8	1	7.3	49.1	0.49	0.16	12.2	0.199	3.07	3.2
M675342		44.4	150.5	<0.002	1.66	13.10	11.0	1	2.0	230	0.61	0.22	14.8	0.265	2.65	5.1
M675343		90.8	152.0	<0.002	1.95	15.00	10.6	1	1.8	222	0.56	0.26	14.2	0.229	2.71	5.1
M675344		3580	163.5	<0.002	3.08	44.5	7.9	1	2.6	126.0	0.38	0.30	10.3	0.166	2.54	5.2
M675345		21.0	117.0	<0.002	0.23	12.35	6.9	1	2.0	314	0.85	<0.05	13.6	0.333	2.11	8.2
M675346		34.3	101.0	<0.002	0.11	10.85	6.3	1	1.8	675	0.80	<0.05	10.7	0.280	2.13	5.0

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
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www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 7-AUG-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15108871

Sample Description	Method / Analyte / Units / LOR	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Pb-OG62 Pb % 0.001
M675311		65	2.5	11.8	266	27.8	
M675312		64	6.2	22.9	207	26.7	
M675313		70	3.3	14.7	532	29.5	
M675314		68	3.3	14.7	285	30.7	
M675315		67	3.5	15.3	84	31.5	
M675316		65	5.4	12.3	858	30.7	
M675317		61	4.3	15.0	588	26.3	
M675318		66	1.0	15.3	76	28.5	
M675319		66	2.2	14.2	96	29.3	
M675320		39	4.5	8.1	7790	18.0	
M675321		2	0.1	0.8	24	<0.5	
M675322		64	4.1	15.3	646	27.7	
M675323		33	5.3	7.4	3200	16.8	1.085
M675324		54	4.6	11.1	1740	26.6	
M675325		62	4.7	12.1	1720	30.3	
M675326		57	4.3	11.0	2810	28.4	
M675327		65	2.9	13.0	261	26.8	
M675328		71	1.4	11.5	68	27.6	
M675329		67	2.0	8.9	438	30.7	
M675330		2	0.1	0.7	16	<0.5	
M675331		91	1.5	11.3	185	28.2	
M675332		67	3.2	11.9	2040	26.6	
M675333		71	1.9	13.1	261	26.5	
M675334		77	2.3	13.6	107	28.2	
M675335		67	3.0	11.4	153	24.3	
M675336		69	2.9	11.7	159	24.1	
M675337		73	1.4	13.0	62	28.2	
M675338		70	2.2	14.0	57	31.2	
M675339		70	3.4	12.6	101	29.2	
M675340		65	6.1	11.0	2490	31.5	
M675341		59	6.4	8.5	3430	27.2	
M675342		73	3.5	12.7	89	28.8	
M675343		68	3.4	11.2	143	30.1	
M675344		55	3.7	8.2	731	28.1	
M675345		63	3.1	14.6	40	153.0	
M675346		54	1.5	11.2	67	169.5	

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: KLAZA

Finalized Date: 7-AUG-2015
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH15108871

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

Applies to Method:				
	BAG-06	CRU-31	CRU-QC	LOG-21
	LOG-21d	LOG-23	PUL-31	PUL-31d
	PUL-QC	SPL-21	SPL-21d	WEI-21

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:				
	Au-AA24	ME-MS61	ME-OG62	Pb-OG62

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Finalized Date: 7-AUG-2015
Account: ROCKHA

CERTIFICATE WH15108873

Project: KLAZA

P.O. No.: BATCH 77

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 26-JUL-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21d	Sample logging - ClientBarCode Dup
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
BAG-06	Double Bagging Coarse Rejects
SPL-21d	Split sample - duplicate
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31d	Pulverize Split - duplicate

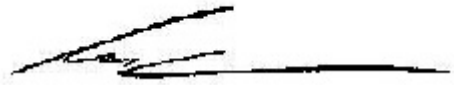
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Zn-OG62	Ore Grade Zn - Four Acid	VARIABLE
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	
Ag-OG62	Ore Grade Ag - Four Acid	VARIABLE
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.

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Finalized Date: 7-AUG-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15108873

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
R610851		2.92	<0.005	0.07	7.79	18.9	2720	1.92	0.15	2.47	0.46	71.8	4.8	14	24.2	9.5
R610852		1.00	0.124	6.25	6.31	239	540	1.75	4.94	1.47	2.90	40.3	37.2	7	26.0	69.5
R610853		4.93	0.032	1.21	7.14	63.5	1850	1.66	0.80	2.63	1.15	54.3	44.7	12	19.65	16.7
R610854		4.13	<0.005	0.16	7.31	13.6	2320	1.61	0.38	2.69	0.12	45.9	15.0	13	15.75	8.9
R610855		3.92	<0.005	0.07	7.35	11.2	2220	1.74	0.16	3.03	0.11	48.1	11.3	16	18.45	9.5
R610856		2.11	<0.005	0.06	7.95	10.8	2330	1.75	0.17	3.12	0.17	53.0	11.4	13	21.2	11.6
R610857		5.32	0.008	0.17	8.09	14.7	2000	1.46	1.35	1.46	0.17	51.7	8.4	11	19.60	13.1
R610858		0.89	0.006	0.39	5.89	44.2	1360	1.09	0.80	8.67	1.43	45.8	8.5	8	18.30	56.7
R610859		2.11	<0.005	0.12	7.71	15.3	1380	1.44	1.03	2.54	0.07	54.0	6.0	12	32.3	31.0
R610860		0.33	0.367	4.35	6.95	737	1120	1.43	3.54	2.11	11.60	49.2	12.3	25	13.60	326
R610861		2.31	0.011	0.36	7.59	76.0	1180	1.52	0.93	3.13	0.13	49.0	6.7	11	25.8	55.1
R610862		6.46	0.007	0.29	7.25	28.9	1890	1.57	1.17	2.94	0.09	45.3	7.1	14	33.0	93.9
R610863		<0.02	0.005	0.32	8.01	25.1	1970	1.64	1.38	2.96	0.09	51.5	6.8	13	31.9	96.3
R610864		2.45	0.029	0.73	7.40	599	1240	1.65	0.61	3.35	0.16	46.9	7.8	11	27.8	30.1
R610865		1.82	0.034	0.84	4.49	432	3940	1.13	1.80	4.62	0.95	31.2	5.1	9	16.75	113.5
R610866		4.05	<0.005	0.38	7.49	41.3	1480	1.50	5.42	2.23	0.35	46.4	8.6	11	24.6	113.0
R610867		7.70	<0.005	0.35	7.59	22.1	2050	1.44	4.58	1.58	0.13	45.4	5.6	12	33.2	171.0
R610868		0.33	0.937	11.95	6.67	1605	1360	1.43	11.80	1.90	32.7	43.2	16.8	19	13.90	293
R610869		7.54	<0.005	0.11	7.34	21.9	1460	1.68	2.62	2.21	0.12	42.1	4.9	13	38.8	19.4
R610870		0.91	0.151	0.77	6.76	1030	1740	1.58	0.64	3.16	2.63	42.2	8.0	11	22.2	22.0
R610871		6.24	<0.005	0.06	7.16	10.3	1340	1.56	1.54	2.45	0.08	44.7	3.5	14	20.7	4.1
R610872		1.77	0.206	10.65	7.02	2150	620	1.29	4.24	3.06	99.6	57.5	50.9	7	22.5	61.0
R610873		5.37	<0.005	0.02	0.06	1.0	30	0.07	0.04	20.3	0.12	1.15	0.7	1	0.23	2.7
R610874		2.03	0.009	0.62	6.96	13.4	2280	1.16	2.25	2.22	0.23	45.6	9.1	9	12.25	7.1
R610875		2.36	0.010	0.35	7.45	25.0	2440	1.15	1.63	2.58	5.18	66.7	6.2	12	21.7	35.2
R610876		6.51	<0.005	0.13	7.96	10.7	2130	1.14	0.59	2.02	2.28	53.4	4.9	11	16.05	33.2
R610877		3.34	0.024	0.62	7.06	69.4	2310	1.47	0.42	3.51	2.23	50.7	3.7	11	25.1	13.0
R610878		4.30	<0.005	0.11	7.49	11.7	2060	1.31	0.74	2.16	0.47	48.5	7.2	12	17.10	13.9
R610879		3.47	0.016	0.97	7.09	153.0	1140	1.62	1.22	2.71	6.25	46.9	7.0	10	24.6	36.8
R610880		1.75	1.940	>100	1.54	1055	360	0.34	668	1.53	10.95	6.45	102.5	14	2.19	2240
R610881		4.17	<0.005	0.23	0.09	1.8	80	0.06	0.87	20.7	0.09	1.35	0.8	1	0.25	6.2
R610882		1.77	0.163	6.29	7.09	784	560	1.18	5.42	2.42	23.1	79.4	7.0	9	15.55	81.6
R610883		5.65	0.042	2.64	7.09	171.5	1440	1.31	1.00	2.84	10.60	47.6	4.5	10	19.85	28.3
R610884		1.47	0.115	12.55	3.77	208	960	0.88	1.59	12.05	56.2	37.5	3.7	6	7.14	238
R610885		10.23	0.009	0.34	6.99	22.1	2120	1.31	0.42	2.90	14.10	65.1	5.7	13	17.15	121.5
R610886		6.95	0.013	0.64	6.91	18.7	900	1.54	0.46	3.13	2.97	59.8	5.1	13	29.9	13.9

***** See Appendix Page for comments regarding this certificate *****

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Finalized Date: 7-AUG-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15108873

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
R610851		2.56	18.90	0.14	2.7	0.029	2.00	38.2	157.0	0.91	803	0.88	0.06	11.0	2.9	930
R610852		5.45	14.35	0.12	1.0	0.230	2.61	20.3	28.8	0.70	1940	2.17	0.03	6.0	3.2	530
R610853		3.97	15.70	0.10	1.1	0.140	2.84	31.0	58.7	1.01	1990	1.85	0.07	6.6	2.8	580
R610854		3.14	16.80	0.13	1.2	0.062	2.94	23.5	26.5	0.76	719	1.42	1.66	7.4	2.8	630
R610855		3.25	16.50	0.11	1.2	0.046	2.63	24.4	11.8	0.81	714	1.18	2.20	7.5	2.9	660
R610856		3.42	17.60	0.13	1.3	0.053	2.75	27.7	12.2	0.89	771	0.99	2.23	8.4	3.0	680
R610857		3.49	17.65	0.12	1.1	0.054	2.77	26.7	41.0	0.44	1260	1.38	0.11	7.8	3.0	670
R610858		3.40	12.00	0.10	0.8	0.030	2.12	26.3	23.0	2.07	1180	0.83	0.11	5.6	2.6	490
R610859		2.78	16.70	0.12	1.0	0.054	2.60	28.9	55.2	0.71	647	0.70	0.44	7.5	2.8	640
R610860		5.27	15.45	0.13	1.1	0.340	3.09	28.4	26.8	0.82	2000	14.70	0.16	5.5	14.3	540
R610861		2.89	15.25	0.13	0.9	0.056	2.73	26.7	33.3	1.15	955	0.88	0.06	6.6	2.6	600
R610862		2.97	16.60	0.12	1.0	0.066	2.60	23.5	57.7	0.70	729	1.10	0.89	7.6	2.6	620
R610863		2.99	16.10	0.20	1.0	0.061	2.70	29.4	49.7	0.75	718	0.87	1.06	7.1	2.4	610
R610864		2.71	15.15	0.13	0.9	0.040	2.80	26.1	59.4	1.15	1300	0.87	0.06	6.7	2.9	570
R610865		2.69	9.45	0.09	0.6	0.043	1.66	18.1	47.8	1.43	1870	1.20	0.03	4.1	1.8	340
R610866		2.82	15.30	0.11	0.9	0.045	2.37	25.6	83.4	0.85	867	1.07	0.05	6.9	3.1	590
R610867		2.85	16.50	0.11	1.1	0.092	2.15	24.8	52.9	0.53	581	1.09	1.03	8.1	2.4	610
R610868		6.77	15.65	0.12	1.1	0.822	2.97	23.7	19.9	0.79	1880	9.03	0.14	6.5	12.1	560
R610869		3.05	16.95	0.11	1.0	0.080	2.13	22.3	21.1	0.57	546	0.74	1.94	8.2	2.5	620
R610870		4.15	14.60	0.12	0.8	0.254	3.06	24.2	19.7	1.19	5830	0.95	0.13	6.7	2.4	510
R610871		3.18	16.30	0.13	1.0	0.150	1.83	24.1	18.4	0.81	794	0.75	2.48	7.6	2.8	600
R610872		10.25	22.1	0.16	0.8	2.17	3.25	32.9	18.5	1.48	3860	0.52	0.04	6.7	3.4	520
R610873		0.50	0.19	0.06	<0.1	0.008	0.02	0.6	0.8	13.15	234	0.17	0.01	0.1	1.2	190
R610874		3.77	14.35	0.08	0.9	0.184	2.62	25.1	16.1	0.83	1380	0.44	1.24	7.1	2.1	590
R610875		2.79	14.60	0.13	1.1	0.061	2.20	40.9	35.2	0.94	925	0.78	0.06	7.3	2.3	580
R610876		3.14	16.25	0.13	1.0	0.074	2.88	30.0	34.3	0.78	698	0.70	0.34	8.0	2.4	660
R610877		3.53	15.40	0.10	0.9	0.145	2.96	29.9	18.7	1.29	2430	1.01	0.08	7.2	2.6	580
R610878		3.25	17.85	0.13	1.1	0.089	3.08	25.4	39.2	0.76	839	0.99	0.11	8.6	2.6	650
R610879		2.95	15.80	0.12	1.0	0.102	2.60	26.3	44.2	0.95	2110	1.73	0.04	7.4	2.5	560
R610880		18.60	3.98	0.08	0.2	1.280	0.71	3.0	8.4	0.54	866	13.55	0.01	1.3	1.7	80
R610881		0.53	0.26	<0.05	<0.1	0.008	0.03	0.7	1.0	13.10	228	0.15	0.01	0.2	1.3	170
R610882		4.25	14.50	0.10	1.1	0.265	3.21	48.6	5.5	0.97	4080	1.57	0.03	6.6	2.2	490
R610883		3.28	14.85	0.10	1.1	0.187	2.82	28.3	13.6	1.09	2100	0.92	0.04	6.9	2.1	540
R610884		4.23	8.14	0.06	1.1	0.631	1.17	22.1	14.0	4.53	5040	2.13	0.02	4.9	1.7	380
R610885		2.51	16.35	0.09	2.6	0.098	1.59	35.6	61.2	0.99	841	1.33	0.06	10.6	3.0	850
R610886		2.50	17.40	0.11	2.7	0.089	2.68	30.7	46.6	0.84	691	1.68	0.08	11.5	2.7	910

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 7-AUG-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15108873

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
R610851		25.1	76.6	<0.002	0.12	10.10	6.5	1	2.3	471	0.82	<0.05	11.2	0.270	1.80	5.3
R610852		355	141.0	0.002	3.86	28.3	10.0	1	6.3	87.9	0.52	0.83	9.8	0.231	2.60	7.2
R610853		124.5	132.0	0.002	1.01	15.15	11.0	1	3.0	166.0	0.57	0.62	12.7	0.250	2.47	6.0
R610854		16.9	108.0	<0.002	0.11	4.81	11.8	1	2.2	328	0.64	<0.05	12.2	0.280	1.34	4.2
R610855		16.2	95.6	<0.002	0.09	3.17	12.2	1	1.8	415	0.63	<0.05	11.8	0.288	1.20	3.8
R610856		19.4	111.0	<0.002	0.06	3.34	13.4	1	2.3	417	0.70	<0.05	12.9	0.314	1.33	4.3
R610857		17.7	108.0	<0.002	0.17	14.15	12.7	1	2.3	87.8	0.69	<0.05	15.3	0.287	1.52	3.5
R610858		33.3	90.3	<0.002	0.25	9.17	8.7	1	2.1	301	0.50	<0.05	10.7	0.211	1.29	7.1
R610859		13.5	112.0	<0.002	0.09	8.94	11.1	1	2.2	153.5	0.66	0.27	13.9	0.273	1.81	8.3
R610860		516	157.0	0.005	2.81	28.3	9.2	1	5.5	111.5	0.51	0.33	11.2	0.217	2.55	5.3
R610861		8.9	119.0	<0.002	0.24	11.85	10.5	1	1.9	132.5	0.48	<0.05	11.9	0.259	2.02	5.9
R610862		14.9	103.0	<0.002	0.14	9.30	10.7	1	2.5	277	0.66	<0.05	12.7	0.276	1.78	4.0
R610863		14.2	123.5	<0.002	0.15	9.52	10.8	1	2.4	288	0.60	<0.05	14.2	0.262	1.71	4.4
R610864		18.6	137.5	<0.002	0.39	26.9	9.9	1	2.2	144.5	0.59	<0.05	12.6	0.254	2.74	5.3
R610865		15.0	80.9	<0.002	0.34	85.2	6.4	1	2.4	137.0	0.35	0.07	8.2	0.154	1.52	5.7
R610866		16.5	101.5	<0.002	0.21	59.1	9.9	1	2.5	146.0	0.60	1.25	12.7	0.259	1.86	5.0
R610867		13.2	95.8	<0.002	0.08	44.7	10.7	1	3.0	141.5	0.68	0.06	12.0	0.279	1.41	3.2
R610868		1350	156.5	<0.002	4.76	68.6	9.3	2	8.0	100.0	0.55	1.15	10.2	0.219	2.50	5.2
R610869		13.9	94.2	<0.002	0.05	8.25	10.8	1	3.1	246	0.67	0.10	11.2	0.269	1.50	2.8
R610870		110.5	167.0	<0.002	0.79	19.05	8.9	1	3.0	104.0	0.54	<0.05	10.4	0.224	2.55	6.2
R610871		12.5	84.7	<0.002	0.03	4.93	10.5	1	3.0	356	0.62	<0.05	10.8	0.259	1.30	3.2
R610872		2580	154.0	<0.002	4.64	21.0	11.0	1	10.1	97.1	0.54	0.38	11.5	0.227	3.13	6.4
R610873		3.1	1.2	<0.002	0.01	0.09	0.2	<1	<0.2	50.8	<0.05	<0.05	<0.2	<0.005	<0.02	0.6
R610874		21.4	125.5	<0.002	0.23	3.40	9.2	1	2.9	166.5	0.59	0.13	11.8	0.249	1.93	3.4
R610875		14.3	98.9	<0.002	0.34	15.30	9.3	1	2.6	113.0	0.68	<0.05	16.7	0.249	1.66	3.2
R610876		15.5	110.5	<0.002	0.09	7.70	10.3	1	2.2	149.5	0.65	<0.05	12.4	0.276	1.60	2.8
R610877		39.8	149.5	<0.002	0.51	8.39	9.8	1	2.3	123.5	0.58	<0.05	11.3	0.245	2.54	4.6
R610878		15.2	104.5	<0.002	0.13	8.61	11.7	<1	2.4	118.5	0.70	<0.05	12.9	0.280	1.85	4.6
R610879		180.0	123.0	<0.002	0.60	17.65	10.4	1	3.2	146.5	0.60	0.06	11.2	0.254	2.35	7.0
R610880		1610	36.5	0.013	>10.0	260	2.0	3	9.8	35.3	0.10	7.53	1.5	0.046	0.57	1.2
R610881		3.5	1.3	<0.002	0.03	0.76	0.2	<1	0.2	51.3	<0.05	<0.05	<0.2	<0.005	<0.02	0.8
R610882		1070	167.5	<0.002	2.54	24.7	7.7	1	5.5	72.6	0.63	0.11	19.6	0.215	3.37	7.8
R610883		536	157.0	<0.002	1.23	12.15	8.4	1	3.0	129.5	0.65	<0.05	12.7	0.232	2.75	6.3
R610884		3480	56.5	<0.002	1.42	20.6	4.1	1	4.6	449	0.38	0.05	6.2	0.136	1.03	4.5
R610885		64.0	50.6	<0.002	0.12	9.22	5.2	1	1.6	260	0.79	<0.05	9.1	0.256	1.15	7.2
R610886		85.1	76.1	<0.002	0.04	8.38	5.4	1	1.5	269	0.83	<0.05	8.5	0.261	1.83	5.2

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 7-AUG-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15108873

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Ag-OG62	Zn-OG62
	Analyte	V	W	Y	Zn	Zr	Ag	Zn
	Units	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	1	0.1	0.1	2	0.5	1	0.001
R610851		53	2.6	13.0	97	93.2		
R610852		67	4.7	8.6	230	24.5		
R610853		70	2.6	13.9	113	26.9		
R610854		79	1.5	14.8	53	29.0		
R610855		82	1.2	16.0	51	30.0		
R610856		91	1.3	18.0	58	32.0		
R610857		80	5.2	16.1	67	24.9		
R610858		58	2.5	16.1	118	17.7		
R610859		74	2.2	14.7	43	23.8		
R610860		68	5.5	10.8	918	31.1		
R610861		69	9.9	14.6	46	25.1		
R610862		74	3.0	14.2	45	25.0		
R610863		69	2.1	14.9	44	24.3		
R610864		67	4.8	14.0	48	22.3		
R610865		49	2.4	12.3	97	14.5		
R610866		66	3.7	13.7	72	22.9		
R610867		70	5.5	14.4	53	27.4		
R610868		64	6.2	11.4	2500	31.4		
R610869		71	3.2	14.3	60	25.8		
R610870		60	3.8	15.7	291	20.4		
R610871		68	2.6	15.2	53	25.4		
R610872		90	6.0	12.8	>10000	18.6		1.120
R610873		3	0.1	0.7	31	<0.5		
R610874		66	3.6	12.1	80	20.4		
R610875		65	3.6	15.3	444	24.5		
R610876		74	3.6	15.4	295	22.8		
R610877		67	3.6	14.6	187	20.3		
R610878		76	4.4	16.3	88	27.1		
R610879		71	3.0	14.0	666	24.7		
R610880		17	1.4	2.8	1010	4.3	172	
R610881		3	0.1	0.8	21	<0.5		
R610882		59	5.2	9.1	1680	25.9		
R610883		65	3.4	12.6	1080	26.1		
R610884		34	3.4	8.9	4170	37.8		
R610885		48	3.9	13.0	1120	86.9		
R610886		53	2.3	12.2	265	92.4		

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: KLAZA

Finalized Date: 7-AUG-2015
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH15108873

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Ag-OG62	Au-AA24	ME-MS61	ME-OG62
Zn-OG62			

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 8-AUG-2015
Account: ROCKHA

CERTIFICATE WH15108876

Project: KLAZA

P.O. No.: BATCH 78

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 26-JUL-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21d	Sample logging - ClientBarCode Dup
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
BAG-06	Double Bagging Coarse Rejects
SPL-21d	Split sample - duplicate
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31d	Pulverize Split - duplicate

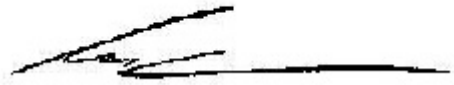
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Pb-OG62	Ore Grade Pb - Four Acid	VARIABLE
Zn-OG62	Ore Grade Zn - Four Acid	VARIABLE
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.

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VANCOUVER BC V6B 1L8

Finalized Date: 8-AUG-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15108876

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
M675347		1.39	0.104	1.05	6.86	164.0	1330	1.75	0.82	2.63	4.71	45.9	6.3	14	19.25	11.0
M675348		4.64	<0.005	0.16	6.75	12.8	1100	1.57	0.64	2.92	0.22	40.0	7.3	11	12.85	8.5
M675349		4.05	0.006	0.39	7.33	16.2	1480	1.53	0.82	3.23	0.49	48.4	12.2	9	16.00	8.6
M675350		5.81	<0.005	0.20	7.70	9.7	2020	1.39	0.55	2.16	0.30	46.7	9.1	10	11.25	6.3
M675351		2.04	0.062	2.49	7.49	127.5	400	1.42	1.17	0.85	18.05	61.6	30.8	8	11.40	7.3
M675352		0.31	0.953	13.15	6.64	1540	840	1.41	12.65	1.88	32.1	47.5	17.6	18	14.05	280
M675353		4.45	1.115	7.26	6.68	4160	260	1.45	4.52	0.73	89.7	45.5	9.3	8	11.60	58.9
M675354		2.64	0.213	3.44	6.99	349	400	1.36	4.02	1.15	23.9	43.9	19.3	8	10.70	18.1
M675355		2.01	<0.005	0.23	7.70	14.6	1210	1.68	0.71	1.77	0.35	48.8	10.1	8	19.40	11.3
M675356		7.48	<0.005	0.20	7.55	10.8	650	1.69	0.72	2.28	0.38	50.7	8.3	13	10.25	9.8
M675357		3.79	<0.005	0.20	7.66	11.4	700	1.64	0.71	2.33	0.48	51.9	7.1	11	10.35	15.0
M675358		12.32	<0.005	0.21	7.58	7.3	1260	1.56	0.76	2.46	0.42	50.2	6.7	12	11.00	29.0
M675359		2.01	0.036	2.45	6.96	55.5	1260	1.56	1.99	3.34	3.19	51.0	7.4	7	10.80	43.0
M675360		4.25	<0.005	0.16	7.12	8.9	3630	1.65	0.54	3.44	0.31	46.4	3.9	9	11.50	12.0
M675361		6.08	0.007	0.44	7.43	13.1	1380	1.21	2.19	4.61	0.15	45.9	5.6	4	14.40	14.9
M675362		10.38	<0.005	0.36	7.79	9.0	2280	1.51	0.88	3.46	0.25	59.4	8.7	10	7.64	17.3
M675363		9.65	<0.005	0.25	7.02	7.8	1790	1.48	0.45	3.33	0.09	43.6	6.9	10	7.71	44.3
M675364		<0.02	<0.005	0.23	6.85	6.8	1780	1.49	0.45	3.36	0.07	42.8	6.5	11	7.31	39.4
M675365		2.37	0.010	0.49	7.20	15.8	1650	1.60	0.82	3.35	0.47	52.9	12.3	7	23.9	17.2
M675366		9.07	<0.005	0.14	7.44	6.2	2670	1.58	0.58	2.34	0.21	45.6	6.3	9	11.65	7.7
M675367		8.82	<0.005	0.41	7.00	10.2	2450	1.59	0.90	3.08	0.37	45.4	6.1	11	9.58	20.1
M675368		2.33	0.086	6.45	7.35	158.5	580	1.54	3.43	1.75	55.7	66.2	4.6	9	9.35	135.5
M675369		3.59	<0.005	0.01	0.08	<0.2	70	<0.05	0.03	21.1	0.09	1.26	0.7	<1	0.28	2.2
M675370		5.70	<0.005	0.29	7.23	6.6	2890	1.46	0.53	3.16	0.42	52.5	6.0	13	9.94	8.4
M675371		7.84	<0.005	0.34	7.51	9.2	1500	1.54	0.57	2.54	1.95	92.0	3.8	11	9.04	7.6
M675372		2.16	0.569	40.4	6.12	1055	520	1.17	13.95	2.46	199.0	48.7	44.7	8	6.60	282
M675373		3.60	<0.005	0.05	0.07	<0.2	30	0.07	0.03	21.0	0.17	1.26	0.6	1	0.34	2.0
M675374		4.18	0.013	0.92	6.87	28.5	1170	1.64	0.76	2.83	5.00	34.6	7.9	9	9.08	9.2
M675375		7.76	<0.005	0.30	7.32	6.9	1760	1.66	0.65	2.67	0.36	28.6	9.0	9	9.32	7.6
M675376		0.34	0.350	4.65	6.81	708	580	1.35	3.36	2.08	10.70	50.3	11.7	24	14.20	309
M675377		1.42	0.020	0.84	6.55	54.3	1030	1.28	0.93	1.84	2.85	29.4	24.7	7	5.90	16.3
M675378		9.13	<0.005	0.39	6.61	9.9	1330	1.54	0.55	3.10	1.07	25.6	9.2	11	7.33	5.9
M675379		5.38	<0.005	0.18	6.73	5.7	1730	1.53	0.47	2.98	0.20	34.3	10.4	8	5.32	3.8
M675380		12.91	<0.005	0.15	6.41	3.6	1170	1.46	0.41	3.63	0.31	24.9	10.3	10	4.87	3.1
M675381		4.82	0.005	0.64	7.14	11.1	210	1.39	1.01	3.45	0.76	31.2	31.9	8	5.32	3.9
M675382		8.77	<0.005	0.49	7.00	5.7	1270	1.48	0.61	3.27	0.55	30.6	9.9	10	5.61	5.8

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 8-AUG-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15108876

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
M675347		3.14	16.35	0.12	1.7	0.111	3.50	22.9	56.4	0.80	1340	5.22	0.06	7.1	11.5	570
M675348		3.19	15.00	0.12	1.0	0.048	3.02	19.7	28.4	0.77	544	0.47	1.59	6.6	2.6	570
M675349		3.36	16.00	0.14	1.1	0.046	3.36	25.2	40.7	0.88	706	0.90	0.42	6.8	2.8	580
M675350		3.74	16.30	0.12	1.0	0.032	3.21	23.4	43.7	0.97	638	1.40	0.45	7.6	2.4	670
M675351		5.90	16.50	0.12	1.0	0.180	3.62	36.5	10.3	0.57	1380	4.80	0.03	6.4	2.4	570
M675352		6.52	14.50	0.11	1.0	0.784	2.86	25.3	17.5	0.78	1760	8.33	0.12	6.3	12.2	520
M675353		6.02	15.60	0.10	1.0	2.30	3.00	25.0	13.4	0.46	873	5.49	0.02	5.5	2.7	500
M675354		5.70	14.95	0.11	1.0	0.469	3.34	24.8	17.2	0.62	1410	3.04	0.02	5.2	1.9	520
M675355		2.81	15.65	0.12	1.2	0.030	3.48	25.6	145.0	0.58	496	6.35	0.24	5.9	2.2	610
M675356		3.07	15.90	0.13	1.0	0.029	2.94	26.7	23.7	0.72	510	4.43	2.04	6.7	2.5	590
M675357		2.95	15.35	0.13	1.2	0.026	2.98	27.6	23.6	0.71	517	3.12	2.01	6.5	2.3	560
M675358		2.94	15.60	0.12	1.1	0.029	2.93	26.1	17.6	0.78	518	0.88	2.04	7.5	2.4	580
M675359		3.09	15.20	0.14	1.0	0.110	3.37	27.5	10.3	0.84	1270	0.76	0.21	6.1	2.0	540
M675360		2.18	16.85	0.16	1.1	0.032	2.84	24.1	11.7	0.65	675	0.29	1.43	6.3	2.3	560
M675361		3.46	16.55	0.13	1.9	0.073	1.15	21.9	16.6	1.49	853	0.44	2.35	5.1	3.2	1070
M675362		2.89	15.30	0.14	1.0	0.040	2.59	32.7	14.0	0.79	621	0.54	1.87	7.0	2.4	620
M675363		2.99	15.35	0.15	1.1	0.050	2.78	22.6	14.6	0.78	804	0.38	1.40	6.5	2.1	560
M675364		2.97	14.65	0.14	0.9	0.047	2.72	21.6	14.0	0.77	807	0.40	1.39	6.4	2.1	560
M675365		3.10	14.70	0.14	1.0	0.054	2.74	28.1	27.1	0.62	803	0.39	0.34	6.7	2.8	560
M675366		2.98	16.05	0.12	1.2	0.029	2.82	23.3	25.6	0.87	500	1.87	1.67	8.0	2.2	590
M675367		2.76	15.10	0.15	1.0	0.046	3.01	23.4	19.0	0.77	772	0.36	1.17	6.7	2.3	580
M675368		4.61	15.70	0.14	0.9	1.430	3.49	38.3	11.7	0.81	1250	1.45	0.04	6.0	1.9	560
M675369		0.51	0.22	0.08	<0.1	0.005	0.03	0.6	1.1	13.05	225	0.06	0.01	0.2	1.4	190
M675370		2.34	15.80	0.17	1.0	0.042	2.97	26.7	20.6	0.71	649	0.34	0.70	7.0	2.4	610
M675371		2.47	15.00	0.14	0.9	0.063	3.60	51.8	23.5	0.91	1180	0.52	0.05	6.6	2.5	580
M675372		5.97	13.30	0.13	0.7	6.52	2.82	24.8	7.8	0.68	2150	10.60	0.03	5.0	2.2	460
M675373		0.49	0.20	0.10	<0.1	0.009	0.03	0.6	1.0	12.90	221	0.08	<0.01	0.2	1.3	160
M675374		3.41	14.75	0.13	0.9	0.095	3.39	14.9	9.9	0.87	1600	1.09	0.10	7.4	2.3	550
M675375		2.98	15.75	0.14	1.0	0.036	3.29	12.1	69.7	0.85	767	0.47	0.22	6.4	1.8	580
M675376		5.00	14.85	0.12	1.0	0.305	2.91	28.9	22.8	0.79	1840	13.05	0.15	6.0	14.3	520
M675377		4.38	13.40	0.11	0.7	0.106	3.07	12.4	19.8	0.69	1310	1.56	0.04	6.3	3.3	490
M675378		2.90	14.60	0.12	0.9	0.051	2.91	9.2	24.0	0.78	905	0.46	0.63	6.1	2.1	550
M675379		2.27	15.00	0.13	0.9	0.031	2.37	14.3	23.6	0.71	581	1.42	0.64	6.4	1.9	560
M675380		2.58	14.50	0.10	0.9	0.036	2.13	8.3	16.7	0.79	680	0.65	1.37	6.8	2.1	560
M675381		5.71	15.65	0.13	0.9	0.119	3.32	9.7	12.0	1.12	1540	2.18	0.08	5.9	5.4	540
M675382		2.70	15.15	0.12	0.9	0.041	2.23	10.9	24.6	0.81	730	0.72	0.74	6.0	2.5	550

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VANCOUVER BC V6B 1L8

Finalized Date: 8-AUG-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15108876

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
M675347		218	163.5	<0.002	1.72	10.40	8.1	1	3.1	227	0.57	0.12	10.6	0.234	2.92	3.7
M675348		21.9	107.5	<0.002	1.68	4.16	9.7	1	1.7	318	0.52	0.18	10.4	0.235	1.65	3.5
M675349		34.7	142.0	<0.002	2.08	6.58	9.7	1	1.8	199.5	0.55	0.26	12.7	0.243	2.25	4.0
M675350		25.5	111.0	0.006	1.50	5.50	10.7	1	2.2	207	0.62	0.18	12.1	0.280	1.92	4.0
M675351		943	236	0.013	5.35	12.20	10.1	1	6.2	42.0	0.55	0.22	14.7	0.234	3.66	4.4
M675352		1270	165.0	<0.002	4.76	61.8	8.8	2	7.8	95.3	0.52	1.69	11.3	0.213	2.58	5.1
M675353		1570	191.5	0.003	6.23	31.1	8.6	1	7.5	66.7	0.47	0.18	12.0	0.200	3.03	4.0
M675354		566	231	0.008	5.08	10.20	8.9	1	6.7	56.2	0.42	0.18	12.6	0.193	3.39	4.1
M675355		27.8	156.5	0.016	2.10	7.73	10.0	1	1.7	261	0.49	0.23	13.6	0.219	2.45	3.9
M675356		28.5	118.5	0.047	1.89	2.32	10.0	1	2.0	674	0.55	0.32	12.9	0.235	1.57	4.2
M675357		27.6	121.0	0.024	1.74	2.90	9.6	1	2.2	667	0.55	0.24	12.9	0.232	1.57	4.3
M675358		25.9	109.5	0.004	1.57	1.48	9.9	1	2.6	376	0.63	0.36	13.3	0.252	1.32	4.5
M675359		115.5	184.0	0.002	1.94	10.80	8.8	1	2.7	108.5	0.51	0.25	13.2	0.197	2.43	4.1
M675360		14.0	143.0	<0.002	0.84	2.99	9.4	1	1.9	381	0.57	0.20	12.6	0.211	1.85	4.0
M675361		16.6	47.6	<0.002	1.45	2.53	11.7	1	2.5	559	0.30	0.60	3.1	0.393	0.70	2.9
M675362		33.2	109.5	<0.002	1.46	3.31	10.3	1	1.8	293	0.56	0.30	13.5	0.244	1.38	4.1
M675363		10.8	125.0	<0.002	0.79	3.58	9.5	1	2.1	206	0.55	0.17	11.9	0.214	1.85	4.2
M675364		10.5	116.0	<0.002	0.79	3.27	9.1	1	1.9	202	0.53	0.18	11.7	0.211	1.80	4.0
M675365		25.3	119.0	0.002	1.69	4.96	9.0	1	3.6	220	0.55	0.29	11.9	0.220	1.64	3.7
M675366		20.0	92.8	0.014	1.00	2.13	10.1	1	1.8	331	0.68	0.31	12.9	0.258	1.18	3.9
M675367		18.7	129.5	0.002	1.07	3.41	9.3	1	2.2	247	0.57	0.28	11.2	0.231	1.88	3.8
M675368		1000	207	0.002	3.20	12.40	10.0	1	5.1	71.7	0.50	0.29	13.4	0.205	2.97	4.2
M675369		2.1	1.6	<0.002	<0.01	0.06	0.2	<1	<0.2	51.3	<0.05	<0.05	<0.2	<0.005	0.02	0.9
M675370		22.9	132.5	0.002	1.07	5.54	9.9	1	2.6	209	0.60	0.20	12.4	0.246	1.91	4.0
M675371		96.3	167.0	<0.002	1.16	9.51	9.5	1	2.6	107.0	0.56	0.15	14.6	0.230	2.68	4.7
M675372		>10000	142.0	<0.002	5.84	55.6	8.7	1	3.9	69.9	0.46	0.23	10.4	0.169	2.33	9.7
M675373		8.0	1.9	<0.002	0.01	0.08	0.2	<1	<0.2	51.3	<0.05	<0.05	<0.2	<0.005	0.02	0.6
M675374		233	145.5	<0.002	2.13	5.06	9.8	1	2.8	93.4	0.56	0.18	12.1	0.214	2.72	4.1
M675375		18.9	143.0	<0.002	1.54	7.09	8.6	1	1.7	142.0	0.54	0.22	13.6	0.216	2.09	3.8
M675376		480	164.0	0.004	2.74	27.1	8.7	1	5.5	108.0	0.49	0.32	11.6	0.207	2.53	5.2
M675377		162.5	182.0	<0.002	3.15	7.68	10.2	1	3.4	71.9	0.46	0.18	11.7	0.186	2.32	3.8
M675378		41.8	115.5	<0.002	1.74	3.05	9.3	1	2.2	157.0	0.51	0.13	10.4	0.198	1.91	3.4
M675379		13.7	69.0	0.002	1.50	6.11	8.9	1	2.1	176.0	0.50	0.08	10.5	0.200	1.28	3.2
M675380		12.6	73.2	0.002	1.90	1.83	8.9	1	2.2	206	0.53	0.08	10.3	0.207	1.47	3.4
M675381		96.6	185.0	0.005	5.06	2.46	9.6	2	2.7	87.7	0.51	0.16	12.3	0.196	2.88	3.9
M675382		112.0	92.6	0.002	1.85	5.23	9.4	1	2.3	152.0	0.52	0.08	11.5	0.197	1.76	4.1

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Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Pb-OG62	Zn-OG62
	Analyte	V	W	Y	Zn	Zr	Pb	Zn
	Units	ppm	ppm	ppm	ppm	ppm	%	%
	LOR	1	0.1	0.1	2	0.5	0.001	0.001
M675347		62	3.1	12.1	374	56.7		
M675348		67	1.2	13.9	64	28.9		
M675349		71	1.5	14.8	78	29.2		
M675350		78	1.4	14.1	70	28.4		
M675351		76	7.2	8.8	1220	29.7		
M675352		63	5.8	11.8	2330	30.2		
M675353		60	9.8	8.5	5420	29.8		
M675354		60	8.7	8.4	1530	27.7		
M675355		69	2.5	13.5	75	34.0		
M675356		67	1.3	15.9	73	30.2		
M675357		67	1.2	15.4	78	32.4		
M675358		69	0.8	16.0	76	32.0		
M675359		57	1.6	12.8	263	29.8		
M675360		65	0.7	12.2	67	31.6		
M675361		134	0.5	17.6	69	71.2		
M675362		67	0.7	15.0	65	28.6		
M675363		67	0.9	12.7	61	32.3		
M675364		67	0.9	12.0	60	26.8		
M675365		65	1.6	14.4	73	28.5		
M675366		72	1.0	14.3	58	33.2		
M675367		70	1.2	12.7	73	27.2		
M675368		67	4.5	8.9	3410	26.0		
M675369		2	0.1	0.8	20	<0.5		
M675370		76	1.0	12.3	72	26.4		
M675371		68	1.6	14.1	177	26.0		
M675372		58	4.3	10.0	>10000	17.5	1.780	1.200
M675373		2	0.1	0.7	30	<0.5		
M675374		62	1.9	13.1	395	26.4		
M675375		66	0.7	11.3	65	28.6		
M675376		66	5.4	12.2	849	30.8		
M675377		57	2.0	19.0	223	20.3		
M675378		62	1.0	11.5	105	26.3		
M675379		62	0.6	10.3	39	25.0		
M675380		64	0.6	11.1	44	24.5		
M675381		63	1.2	11.6	70	25.1		
M675382		63	0.6	11.9	59	25.9		

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Finalized Date: 8-AUG-2015
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CERTIFICATE OF ANALYSIS WH15108876

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	ME-MS61	ME-OG62	Pb-OG62
Zn-OG62			

ALS Canada Ltd.

2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 8-AUG-2015
Account: ROCKHA

CERTIFICATE WH15108877

Project: KLAZA

P.O. No.: BATCH 79

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 26-JUL-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21d	Sample logging - ClientBarCode Dup
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
BAG-06	Double Bagging Coarse Rejects
SPL-21d	Split sample - duplicate
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31d	Pulverize Split - duplicate

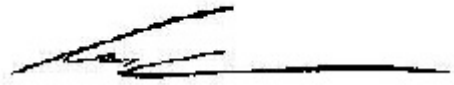
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15108877

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
R610887		6.70	<0.005	0.42	7.14	35.2	1180	2.09	0.16	3.29	0.40	60.4	7.6	23	29.8	14.5
R610888		1.31	0.146	20.4	8.19	805	2240	2.52	5.79	4.47	23.2	69.3	11.8	17	37.4	127.5
R610889		1.92	0.014	1.27	7.84	163.5	2130	1.63	0.88	1.80	12.70	55.4	6.2	10	21.6	36.7
R610890		1.99	<0.005	0.20	7.83	9.7	2460	1.76	0.56	2.56	0.63	52.0	4.8	7	13.05	14.8
R610891		5.86	<0.005	0.19	7.27	16.7	2380	1.61	0.57	2.42	0.29	58.1	6.8	18	12.85	24.1
R610892		2.76	<0.005	0.18	7.83	21.9	2690	1.60	0.57	2.57	0.20	62.4	6.4	19	12.40	30.7
R610893		6.62	0.014	0.60	7.27	47.9	2230	1.56	0.76	2.60	1.82	50.3	6.3	13	14.75	24.8
R610894		5.30	<0.005	0.13	6.91	25.5	2360	1.63	0.23	3.64	0.18	43.9	8.9	9	27.7	16.7
R610895		3.01	<0.005	0.12	7.73	6.8	2280	1.59	0.22	2.92	0.16	52.6	9.8	10	24.2	36.1
R610896		0.31	0.358	4.80	6.85	724	400	1.46	3.42	2.06	10.60	48.0	12.1	23	13.70	325
R610897		4.79	<0.005	0.11	7.86	9.9	2410	1.62	0.24	2.82	0.17	56.6	8.8	13	11.85	15.1
R610898		3.53	0.013	0.61	8.11	218	2110	1.75	0.80	1.76	2.95	48.9	10.7	14	30.0	19.5
R610899		2.83	<0.005	0.01	0.07	0.3	70	0.06	0.06	20.6	0.06	1.13	0.7	1	0.19	2.9
R610900		3.11	0.010	0.26	4.22	54.6	1550	0.97	1.15	7.36	0.57	30.7	29.2	5	25.3	3.4
R610901		2.82	<0.005	0.13	8.00	13.5	2160	1.34	0.44	1.92	0.14	50.9	7.2	9	28.2	8.1
R610902		7.09	<0.005	0.08	7.77	7.1	2420	1.62	0.22	2.58	0.10	53.2	7.9	13	11.25	15.1
R610903		<0.02	<0.005	0.08	8.06	9.0	2450	1.78	0.24	2.61	0.11	55.9	8.2	12	12.65	19.0
R610904		4.47	<0.005	0.10	7.60	8.7	2310	1.72	0.18	3.20	0.22	56.0	7.0	13	17.10	16.6
R610905		0.67	0.016	0.64	6.66	146.5	8790	1.28	0.34	4.59	2.88	47.4	5.8	9	22.0	31.0
R610906		4.24	<0.005	0.12	7.73	8.6	2030	1.70	0.21	3.41	0.17	52.0	6.6	11	27.9	11.0
R610907		2.25	<0.005	0.07	8.32	9.0	2380	1.60	0.21	2.79	0.21	53.5	7.3	11	24.2	9.5
R610908		0.95	0.044	2.14	6.88	158.0	500	1.43	1.78	2.83	34.8	49.7	16.8	10	12.85	5.3
R610909		2.32	<0.005	0.24	7.88	31.9	1210	1.66	0.62	2.68	0.33	55.0	11.6	10	27.3	21.9
R610910		2.04	<0.005	0.09	7.55	10.0	2090	1.57	0.21	2.85	0.27	48.4	7.8	14	15.20	9.5
R610911		0.72	0.010	0.66	5.77	73.7	1540	1.26	0.59	4.87	1.03	35.8	12.2	8	12.30	5.5
R610912		2.32	<0.005	0.13	7.36	17.7	1870	1.59	0.25	2.97	0.16	46.4	9.6	11	11.40	16.8
R610913		1.40	<0.005	0.64	7.57	18.8	1830	1.46	1.60	2.73	0.77	51.8	12.5	11	11.60	3.6
R610914		0.76	0.028	0.97	5.62	84.8	280	0.92	1.17	4.59	3.60	34.7	13.8	8	7.93	3.8
R610915		2.55	<0.005	0.01	0.07	<0.2	60	0.06	0.03	21.0	0.09	1.13	0.7	1	0.26	2.0
R610916		1.80	<0.005	0.10	7.95	4.4	2430	1.28	0.14	2.97	0.16	55.0	7.6	11	11.50	7.7
R610917		0.80	0.026	1.03	7.23	107.5	2300	1.14	0.30	3.09	2.44	44.2	9.5	10	20.2	10.9
R610918		0.30	0.935	12.00	6.75	1580	770	1.38	12.45	1.89	33.0	45.2	17.4	18	15.45	297
R610919		1.59	<0.005	0.16	7.85	7.8	2430	1.53	0.23	3.01	0.32	50.6	8.5	11	12.25	8.3
R610920		2.31	<0.005	0.08	7.85	5.8	2260	1.52	0.12	2.82	0.12	52.7	8.4	16	13.45	9.5
R610921		1.13	0.037	1.73	6.84	285	830	1.32	0.68	3.86	8.89	48.4	10.6	11	19.00	11.8
R610922		2.26	<0.005	0.12	7.70	7.3	1930	1.67	0.13	2.37	1.14	50.6	7.1	12	13.95	10.6

***** See Appendix Page for comments regarding this certificate *****

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VANCOUVER BC V6B 1L8

Finalized Date: 8-AUG-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15108877

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
R610887		2.50	17.00	0.09	3.4	0.032	2.83	30.4	34.8	1.08	826	2.13	0.05	10.6	6.8	1130
R610888		3.67	18.75	0.13	3.5	0.445	3.02	37.1	23.1	1.56	2020	5.62	0.04	11.4	7.1	1230
R610889		3.97	16.05	0.12	1.1	0.445	3.24	30.7	33.8	0.67	3620	0.93	0.20	8.2	2.6	600
R610890		3.10	15.75	0.11	1.0	0.127	3.28	28.0	9.5	0.70	788	0.74	1.72	8.1	2.4	610
R610891		2.87	15.50	0.12	1.0	0.086	3.08	31.6	10.4	0.71	654	1.59	1.87	7.8	3.1	590
R610892		3.05	15.60	0.12	1.1	0.076	3.28	35.1	10.1	0.75	660	1.66	1.97	8.0	3.3	640
R610893		3.46	15.35	0.12	1.0	0.155	3.52	26.9	15.6	0.75	2080	1.81	0.84	7.8	2.6	600
R610894		2.94	15.80	0.11	1.2	0.048	2.46	21.8	67.4	0.41	863	1.39	1.24	8.0	2.8	620
R610895		3.24	16.00	0.11	1.2	0.049	2.53	27.5	18.4	0.55	852	1.14	1.81	8.3	2.9	710
R610896		5.12	14.30	0.10	1.1	0.320	2.98	27.4	26.2	0.79	1940	14.30	0.15	6.1	14.7	540
R610897		3.40	16.35	0.12	1.2	0.050	2.76	30.4	15.3	0.88	916	1.43	2.17	8.5	3.0	710
R610898		4.16	17.40	0.13	1.2	0.152	3.57	25.7	32.5	0.40	3860	4.33	0.12	8.6	3.1	670
R610899		0.52	0.13	0.06	<0.1	<0.005	0.03	0.5	0.8	13.30	231	0.07	0.01	0.1	1.5	170
R610900		4.29	10.40	0.10	0.5	0.074	1.66	17.8	27.4	2.00	2670	1.42	0.03	3.5	2.6	270
R610901		3.00	16.70	0.09	1.3	0.055	2.95	26.5	33.3	0.63	717	13.35	1.00	8.8	2.6	700
R610902		3.17	16.00	0.11	1.3	0.047	2.76	28.0	14.3	0.90	666	2.22	2.42	8.5	2.9	650
R610903		3.13	16.45	0.12	1.3	0.056	2.74	30.8	15.0	0.89	646	1.95	2.40	8.6	2.8	650
R610904		3.18	16.20	0.14	1.3	0.051	2.73	28.8	23.5	0.86	893	1.58	1.90	8.4	2.7	680
R610905		3.21	13.20	0.10	1.2	0.227	2.81	26.7	23.1	1.57	3490	1.31	0.04	7.0	2.2	540
R610906		3.02	16.30	0.11	1.3	0.056	2.76	27.9	29.3	0.82	931	2.97	0.64	8.3	2.7	650
R610907		3.11	16.15	0.13	1.4	0.044	2.94	27.9	22.9	0.78	840	2.77	2.05	8.2	2.6	700
R610908		4.29	14.15	0.13	1.1	0.281	3.30	28.0	12.3	1.05	3690	1.52	0.04	6.9	3.0	540
R610909		2.98	15.80	0.12	1.2	0.059	3.13	30.4	30.3	1.02	1220	1.28	0.05	8.0	2.5	610
R610910		2.95	16.00	0.12	1.3	0.043	2.87	24.4	24.9	0.80	801	1.71	1.92	8.3	2.8	620
R610911		4.86	11.65	0.09	1.0	0.566	2.81	20.3	9.8	1.84	6320	2.93	0.04	5.8	2.6	410
R610912		2.87	15.90	0.11	1.3	0.041	2.83	23.8	32.3	0.70	737	1.11	1.55	8.3	2.9	630
R610913		3.13	15.45	0.12	1.1	0.071	3.04	28.3	22.7	0.82	1490	1.23	1.43	7.8	2.8	640
R610914		5.55	11.40	0.09	0.8	0.643	2.78	17.8	9.2	1.76	7840	1.29	0.03	5.2	2.3	450
R610915		0.50	0.18	0.05	<0.1	0.005	0.03	0.6	0.9	13.45	245	0.19	0.01	0.1	1.4	200
R610916		3.11	15.50	0.11	1.3	0.046	2.77	29.5	19.0	0.92	875	1.29	2.10	8.0	2.5	660
R610917		5.34	14.15	0.10	1.0	0.652	3.47	24.8	14.9	1.25	7620	1.30	0.07	6.9	2.4	570
R610918		6.71	14.45	0.10	1.1	0.854	2.93	24.1	17.5	0.79	1880	8.51	0.13	6.5	12.5	550
R610919		3.32	16.15	0.10	1.2	0.054	2.84	26.3	17.2	0.89	1020	1.28	2.16	8.3	2.8	680
R610920		3.07	16.10	0.12	1.1	0.044	2.68	27.9	19.8	0.80	670	1.17	2.08	8.1	2.8	670
R610921		5.47	13.50	0.10	1.0	0.610	3.23	27.2	15.4	1.21	8450	1.80	0.07	6.7	2.7	560
R610922		2.98	15.70	0.12	1.4	0.058	2.92	26.4	18.1	0.68	877	1.57	1.77	9.0	2.5	620

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Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
R610887		33.8	136.0	<0.002	0.17	9.38	7.4	<1	1.5	254	0.70	<0.05	9.1	0.308	3.42	4.6
R610888		1465	161.5	<0.002	1.37	67.2	8.5	1	2.8	903	0.75	0.16	10.7	0.333	3.70	5.2
R610889		709	171.0	<0.002	0.66	8.02	11.4	<1	2.7	129.0	0.66	<0.05	16.1	0.261	2.61	4.9
R610890		39.5	156.0	<0.002	0.09	3.01	11.5	1	1.7	326	0.66	<0.05	13.6	0.261	1.91	5.0
R610891		27.6	133.5	<0.002	0.13	2.48	11.4	1	1.6	336	0.65	<0.05	17.5	0.249	1.56	4.9
R610892		23.2	141.5	<0.002	0.16	2.66	11.7	<1	1.6	361	0.68	<0.05	18.6	0.266	1.58	5.2
R610893		156.5	169.0	<0.002	0.41	5.01	11.1	1	2.5	203	0.65	<0.05	16.1	0.258	2.44	4.8
R610894		19.3	99.7	<0.002	0.03	7.11	13.1	<1	2.1	262	0.63	<0.05	12.1	0.284	1.34	4.4
R610895		17.5	109.5	<0.002	0.01	3.98	13.9	1	4.5	328	0.62	<0.05	13.0	0.300	1.06	2.9
R610896		496	160.0	0.004	2.70	27.3	9.8	1	5.3	110.0	0.49	0.33	11.2	0.214	2.52	5.2
R610897		19.4	123.5	<0.002	0.01	1.88	14.3	1	1.9	379	0.61	<0.05	13.5	0.300	1.20	1.8
R610898		207	186.0	<0.002	0.10	16.65	13.6	1	2.4	103.0	0.69	<0.05	13.1	0.294	2.66	4.9
R610899		1.8	1.2	<0.002	0.01	0.06	0.2	<1	<0.2	50.7	<0.05	<0.05	<0.2	<0.005	<0.02	0.6
R610900		15.5	97.7	<0.002	0.85	16.85	6.4	<1	1.4	153.5	0.29	<0.05	6.3	0.120	1.29	7.1
R610901		18.6	127.0	<0.002	0.08	7.34	12.7	<1	1.9	205	0.75	<0.05	13.7	0.293	1.82	3.6
R610902		16.9	119.5	<0.002	0.02	2.02	13.0	1	1.6	394	0.69	<0.05	14.7	0.280	1.13	3.3
R610903		17.7	126.0	<0.002	0.03	2.18	13.2	<1	1.7	399	0.70	<0.05	14.1	0.282	1.20	3.6
R610904		30.6	116.5	<0.002	0.02	3.72	13.7	1	1.7	365	0.66	<0.05	14.0	0.278	1.32	3.2
R610905		311	193.0	<0.002	0.43	15.15	10.2	1	2.8	157.0	0.60	<0.05	13.2	0.237	2.58	6.4
R610906		17.8	129.5	<0.002	0.05	7.77	13.0	1	1.7	202	0.68	<0.05	13.7	0.277	1.57	5.3
R610907		20.0	123.0	<0.002	0.03	3.75	13.0	1	1.5	375	0.68	<0.05	16.4	0.295	1.27	2.3
R610908		655	238	<0.002	2.55	11.25	10.9	1	1.7	54.5	0.57	<0.05	12.9	0.243	2.99	8.0
R610909		25.8	160.0	<0.002	0.29	14.60	12.3	1	1.4	136.5	0.65	<0.05	16.9	0.272	2.47	5.3
R610910		25.8	114.0	<0.002	0.09	3.16	12.4	<1	1.4	354	0.73	<0.05	15.7	0.274	1.41	5.4
R610911		282	185.5	<0.002	1.15	9.43	8.7	<1	1.8	89.0	0.55	<0.05	12.4	0.184	2.34	7.2
R610912		19.7	127.0	<0.002	0.17	7.19	12.6	1	1.6	297	0.69	<0.05	15.1	0.277	1.56	6.0
R610913		110.5	159.0	<0.002	0.55	3.18	12.6	<1	1.6	279	0.60	<0.05	16.1	0.268	1.94	4.2
R610914		293	216	<0.002	1.56	8.44	8.7	<1	2.0	126.5	0.38	<0.05	8.6	0.198	2.77	4.9
R610915		2.0	1.6	<0.002	<0.01	0.06	0.2	<1	<0.2	48.6	<0.05	<0.05	<0.2	<0.005	<0.02	0.8
R610916		23.7	114.5	<0.002	0.03	1.96	12.2	1	1.7	391	0.63	<0.05	15.5	0.280	1.16	4.0
R610917		416	231	<0.002	0.83	8.23	10.3	<1	2.5	123.5	0.52	<0.05	12.1	0.254	3.10	4.8
R610918		1355	169.5	0.002	4.73	66.5	9.9	2	8.0	100.0	0.52	1.12	10.8	0.220	2.50	5.2
R610919		52.1	114.0	<0.002	0.06	1.55	13.3	1	1.6	399	0.63	<0.05	15.3	0.299	1.29	4.4
R610920		18.8	108.0	<0.002	0.04	2.24	13.3	1	1.7	383	0.60	<0.05	14.1	0.298	1.16	4.4
R610921		672	205	<0.002	1.24	12.70	11.0	1	2.8	96.6	0.50	<0.05	11.3	0.251	2.90	3.8
R610922		67.1	134.0	<0.002	0.03	2.99	12.4	1	1.9	299	0.84	<0.05	18.5	0.264	1.33	6.0

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

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www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 8-AUG-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15108877

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	V	W	Y	Zn	Zr
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	1	0.1	0.1	2	0.5
R610887		65	2.0	12.6	77	140.0
R610888		69	6.2	14.6	1860	144.5
R610889		71	3.1	14.2	1340	26.5
R610890		70	1.6	16.6	116	25.1
R610891		67	1.3	16.7	64	24.5
R610892		71	1.3	17.3	57	24.9
R610893		69	1.9	15.0	202	22.3
R610894		80	4.7	18.3	64	33.6
R610895		84	3.1	18.2	64	35.3
R610896		68	5.4	10.8	896	31.6
R610897		87	2.8	19.8	70	31.8
R610898		85	4.3	17.6	304	33.4
R610899		3	0.1	0.8	16	<0.5
R610900		52	5.9	16.3	91	15.3
R610901		86	8.8	16.1	59	35.8
R610902		79	3.3	18.7	48	34.1
R610903		79	3.5	19.6	49	33.2
R610904		83	3.0	20.0	62	35.3
R610905		65	4.4	15.8	400	29.3
R610906		79	6.1	18.7	76	34.1
R610907		84	4.9	17.2	73	36.2
R610908		71	3.5	13.6	2290	28.1
R610909		76	5.0	16.4	84	32.1
R610910		77	1.4	17.1	62	36.2
R610911		56	2.6	10.8	108	25.8
R610912		79	2.0	17.0	56	34.8
R610913		77	1.9	17.6	93	31.0
R610914		61	2.2	10.5	233	20.0
R610915		2	0.1	0.8	16	<0.5
R610916		81	1.9	18.7	63	34.3
R610917		69	3.2	14.2	244	28.5
R610918		65	6.0	11.9	2500	31.2
R610919		85	1.7	18.6	76	34.5
R610920		84	1.5	16.9	59	31.1
R610921		72	3.8	15.9	785	25.9
R610922		76	1.9	18.2	131	37.7

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: KLAZA

Finalized Date: 8-AUG-2015
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH15108877

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	ME-MS61

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 8-AUG-2015
Account: ROCKHA

CERTIFICATE WH15112694

Project: KLAZA

P.O. No.: BATCH 80

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 29-JUL-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21d	Sample logging - ClientBarCode Dup
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
BAG-06	Double Bagging Coarse Rejects
SPL-21d	Split sample - duplicate
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31d	Pulverize Split - duplicate

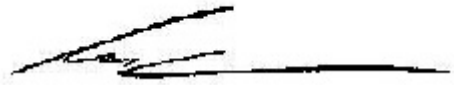
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Zn-OG62	Ore Grade Zn - Four Acid	VARIABLE
As-OG62	Ore Grade As - Four Acid	VARIABLE
Au-AA24	Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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VANCOUVER BC V6B 1L8

Finalized Date: 8-AUG-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15112694

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-AA24 Au ppm 0.005	Au-GRA22 Au ppm 0.05	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05
M675383		8.69	6.75		0.54	6.80	6.6	1040	1.48	1.25	3.53	0.61	31.6	9.6	9	7.05
M675384		7.22	0.048		0.72	7.23	106.5	740	1.54	0.44	2.63	2.19	51.4	7.9	8	12.85
M675385		8.35	0.355		0.19	6.86	7.2	2490	1.67	0.55	2.93	0.21	46.3	6.5	10	15.75
M675386		6.26	0.007		0.09	7.16	6.9	2290	1.58	0.19	2.43	0.19	46.4	7.0	9	21.2
M675387		10.88	0.242		0.27	7.33	33.4	2260	1.67	0.41	2.77	0.61	49.1	7.7	10	12.95
M675388		<0.02	0.011		0.24	7.78	45.5	2350	1.75	0.35	3.00	0.68	51.5	7.6	12	14.60
M675389		3.95	0.059		0.28	7.23	13.5	1150	1.51	0.55	3.99	0.55	53.6	7.0	6	18.00
M675390		11.16	0.042		1.86	6.41	19.3	580	1.46	2.26	4.99	7.54	41.3	3.2	5	6.07
M675391		12.39	0.071		0.50	6.94	6.3	550	1.69	0.74	4.51	0.87	46.7	6.6	6	6.94
M675392		9.88	<0.005		0.51	6.90	21.3	520	1.56	0.67	3.92	3.06	48.9	5.9	5	6.39
M675393		0.31	0.420		4.56	6.89	758	1010	1.60	3.65	2.18	10.95	53.3	12.7	24	14.65
M675394		2.27	0.788		11.15	7.30	227	530	1.65	14.60	1.73	23.5	61.1	4.1	6	6.95
M675395		9.79	<0.005		0.13	6.73	6.2	500	1.84	0.15	3.64	0.90	44.2	1.8	7	7.27
M675396		12.09	0.042		0.64	7.88	11.3	640	1.66	0.97	3.48	1.45	48.9	5.2	6	9.30
M675397		4.82	0.132		2.43	7.35	51.3	670	1.51	3.86	2.30	4.89	56.1	7.8	6	7.56
M675398		1.92	0.126		2.86	7.09	191.0	510	1.91	2.31	3.23	5.24	75.4	20.3	21	23.0
M675399		6.40	<0.005		0.16	7.97	16.4	1450	1.48	0.12	5.65	0.40	76.4	19.1	44	17.40
M675400		2.72	0.029		0.18	8.71	24.9	1570	1.54	0.15	6.16	0.26	82.7	22.1	47	20.0
M675401		1.17	0.006		0.19	7.62	27.5	1070	2.05	0.11	4.18	0.33	67.5	18.8	48	34.1
M675402		2.34	0.038		0.39	6.79	114.0	3880	1.74	0.15	3.13	0.50	62.7	8.0	15	20.1
M675403		6.94	0.007		0.05	7.50	8.5	1160	2.13	0.12	3.35	0.14	61.8	5.9	15	22.4
M675404		11.00	0.011		0.04	7.28	4.7	1520	2.04	0.12	3.47	0.15	57.3	6.0	14	20.4
M675405		6.79	<0.005		0.06	7.27	8.3	1980	2.01	0.12	3.38	0.19	60.6	6.2	14	21.0
M675406		6.00	0.029		0.30	7.06	76.8	1120	1.94	0.12	2.81	0.58	62.2	7.4	14	20.3
M675407		1.31	0.281		2.20	6.43	249	940	1.76	0.56	2.04	9.70	52.8	7.4	11	24.1
M675408		3.04	<0.005		0.01	0.08	<0.2	20	0.12	0.03	22.0	0.06	1.37	0.8	1	0.19
M675409		2.77	0.034		1.80	8.03	120.0	2190	1.45	0.39	1.77	14.45	56.4	9.4	7	14.30
M675410		0.30	0.912		12.30	6.66	1660	1060	1.36	12.30	1.96	32.0	47.9	19.0	18	14.70
M675411		1.75	4.97		23.8	6.14	>10000	650	1.51	1.06	0.91	198.0	43.8	6.2	7	22.6
M675412		3.03	0.017		0.55	7.45	43.2	1010	1.62	0.14	2.80	1.60	50.7	7.4	7	23.6
M675413		2.00	>10.0	10.70	5.56	6.14	>10000	640	1.52	1.90	0.52	298	41.6	10.2	6	21.3
M675414		5.25	<0.005		0.03	0.12	6.7	30	0.12	0.03	21.0	0.29	1.37	0.8	<1	0.59
M675415		4.28	0.081		1.38	7.80	260	790	1.55	0.14	2.34	7.69	61.0	6.9	6	25.3
M675416		2.53	2.95		14.90	7.20	4680	720	1.47	4.80	1.41	325	51.4	8.3	6	17.90
M675417		7.68	0.059		1.26	7.87	237	2470	1.43	0.21	1.50	13.15	58.3	6.3	8	22.6
M675418		3.35	0.181		2.68	8.27	1400	2620	1.58	0.49	1.23	20.1	57.9	8.0	7	24.2

***** See Appendix Page for comments regarding this certificate *****

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VANCOUVER BC V6B 1L8

Finalized Date: 8-AUG-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15112694

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni
	Units	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	LOR	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2
M675383		61.7	2.03	16.60	0.19	1.0	0.035	2.35	11.9	26.4	0.70	786	4.79	0.60	6.0	2.1
M675384		8.7	2.59	16.50	0.20	1.0	0.044	2.90	26.7	45.2	0.75	1380	1.06	0.11	6.8	2.4
M675385		12.6	2.60	17.00	0.20	1.2	0.048	2.67	23.8	25.7	0.71	553	1.00	1.72	7.6	2.4
M675386		8.4	2.70	16.30	0.18	1.2	0.062	2.63	23.3	119.0	0.65	688	1.03	1.16	7.7	1.9
M675387		44.5	3.08	17.40	0.18	1.3	0.061	2.62	24.8	21.0	0.88	709	1.10	1.95	8.2	2.1
M675388		35.4	3.22	18.55	0.19	1.3	0.063	2.77	25.9	22.9	0.92	751	1.06	2.02	8.7	2.3
M675389		15.3	3.21	18.15	0.17	1.2	0.066	2.35	25.4	48.0	0.91	987	0.51	0.28	7.2	1.7
M675390		23.4	1.88	17.35	0.18	1.1	0.295	3.21	16.0	13.7	0.62	1460	0.25	0.10	6.0	1.1
M675391		4.6	2.22	18.90	0.19	1.2	0.078	2.90	18.1	12.4	0.55	1060	0.28	0.62	5.9	1.5
M675392		7.7	1.90	18.45	0.20	1.3	0.104	3.08	17.7	17.3	0.78	1280	0.29	0.31	5.5	1.6
M675393		316	5.31	16.15	0.17	1.1	0.330	3.11	30.2	28.3	0.81	1920	14.35	0.15	6.0	14.3
M675394		332	4.10	18.70	0.18	1.1	0.758	3.21	25.4	25.3	0.62	1420	11.90	0.14	5.2	1.0
M675395		2.0	1.46	19.50	0.20	1.0	0.067	3.20	13.9	25.9	0.74	1410	0.39	0.18	6.0	0.5
M675396		7.1	2.50	19.35	0.19	1.3	0.128	3.53	19.4	37.3	0.96	1560	0.86	0.14	6.8	2.0
M675397		67.6	3.26	18.00	0.19	1.5	0.153	3.37	26.2	52.9	0.88	1500	1.62	0.09	7.0	1.4
M675398		101.0	4.39	18.65	0.20	2.0	0.162	2.90	41.3	45.6	0.98	1820	1.65	0.06	6.3	2.6
M675399		10.4	5.79	20.8	0.21	3.0	0.074	1.97	37.8	17.2	2.50	1430	1.98	1.93	6.1	4.3
M675400		15.9	6.24	22.9	0.22	3.2	0.075	2.19	40.0	17.0	2.66	1520	1.99	2.14	6.7	4.5
M675401		14.4	4.83	21.2	0.19	3.1	0.066	2.25	31.0	98.8	1.35	1240	2.04	0.81	6.4	4.0
M675402		8.7	2.65	17.35	0.18	3.5	0.033	2.87	34.1	33.3	1.12	896	5.48	0.06	9.5	6.3
M675403		5.3	2.46	19.25	0.20	2.5	0.027	3.41	31.7	57.5	1.05	609	0.71	0.05	9.7	5.0
M675404		4.6	2.43	19.05	0.18	2.3	0.029	3.33	29.4	41.7	1.06	592	0.51	0.05	9.5	5.0
M675405		8.9	2.38	18.60	0.19	2.5	0.025	3.17	32.0	41.7	1.13	682	1.08	0.04	9.6	4.8
M675406		7.6	2.48	17.90	0.18	2.9	0.030	2.96	34.1	55.0	1.05	927	2.60	0.04	9.3	6.0
M675407		22.3	3.24	15.50	0.15	2.4	0.068	2.84	28.2	37.0	0.74	1460	16.15	0.03	7.4	4.9
M675408		2.1	0.51	0.25	0.11	<0.1	0.005	0.03	0.7	1.0	13.15	218	0.11	<0.01	0.2	1.3
M675409		30.2	3.61	18.25	0.19	1.4	0.247	3.56	29.6	21.9	0.70	742	1.02	0.31	8.4	2.3
M675410		284	6.81	16.00	0.16	1.1	0.823	3.03	24.9	19.0	0.79	1840	8.58	0.13	6.2	12.0
M675411		128.0	5.55	14.85	0.13	1.0	2.31	2.70	23.6	13.0	0.54	1620	1.26	0.02	6.1	2.0
M675412		18.9	2.98	16.85	0.13	1.3	0.054	2.35	26.6	82.3	0.93	1220	1.47	0.03	8.0	2.7
M675413		54.5	5.22	15.10	0.15	1.0	6.96	2.88	21.5	14.5	0.34	952	6.99	0.02	5.7	2.3
M675414		3.3	0.52	0.35	0.11	<0.1	0.009	0.05	0.7	1.5	12.55	223	0.46	0.01	0.2	1.3
M675415		11.8	3.44	17.85	0.18	1.3	0.092	3.36	33.8	12.9	0.85	2680	3.15	0.02	8.0	2.2
M675416		363	4.36	18.80	0.17	1.1	5.41	3.21	28.1	14.5	0.64	1640	4.12	0.02	7.1	2.1
M675417		25.7	3.04	17.85	0.18	1.4	0.103	3.32	31.6	71.3	0.61	967	1.21	0.09	8.2	2.4
M675418		37.9	3.80	19.20	0.16	1.4	0.163	3.24	30.9	81.1	0.57	889	2.02	0.09	8.7	2.4

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 8-AUG-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15112694

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
	LOR	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02
M675383		590	18.2	92.9	0.002	1.04	6.91	8.9	1	2.2	155.0	0.56	0.14	11.1	0.197	2.05
M675384		560	115.5	143.0	0.002	1.42	10.05	10.1	1	2.7	148.5	0.60	0.10	12.4	0.230	2.68
M675385		590	17.8	96.9	0.002	0.71	3.07	9.4	1	1.6	393	0.63	0.17	10.9	0.242	1.46
M675386		610	16.2	95.0	<0.002	0.49	7.47	10.3	1	1.6	318	0.65	<0.05	12.0	0.254	1.24
M675387		650	43.6	87.6	<0.002	0.93	1.94	11.4	1	2.7	404	0.71	0.13	12.0	0.285	1.16
M675388		670	49.6	95.2	<0.002	0.96	2.16	11.9	1	2.6	422	0.73	0.11	11.7	0.302	1.21
M675389		700	27.6	102.5	0.002	0.88	8.13	9.9	1	2.6	239	0.55	0.14	10.2	0.283	1.70
M675390		520	146.0	161.0	<0.002	0.90	5.46	5.4	1	2.7	134.5	0.51	0.10	9.4	0.167	2.81
M675391		570	54.7	134.5	<0.002	1.26	2.07	5.8	1	2.0	171.0	0.47	0.12	10.1	0.168	2.99
M675392		560	118.0	135.5	<0.002	0.85	4.80	5.5	1	1.9	142.5	0.46	0.07	10.7	0.164	2.89
M675393		540	506	168.0	0.004	2.86	30.1	9.7	1	6.1	113.0	0.51	0.31	11.8	0.210	2.70
M675394		530	543	170.0	<0.002	2.53	47.4	5.9	1	3.2	98.6	0.42	0.10	12.2	0.150	2.94
M675395		570	30.4	129.0	<0.002	0.17	4.34	5.9	1	1.9	130.0	0.48	<0.05	9.2	0.168	3.15
M675396		590	96.1	195.5	<0.002	0.88	4.48	6.5	1	2.3	128.5	0.55	0.13	12.9	0.195	3.64
M675397		550	123.0	198.5	<0.002	1.54	15.35	6.0	1	2.4	87.9	0.57	0.16	12.3	0.194	3.37
M675398		790	563	172.5	<0.002	2.67	29.8	14.6	2	2.8	161.5	0.47	0.17	9.7	0.323	3.24
M675399		1220	18.6	74.8	<0.002	0.13	4.36	25.8	1	1.5	887	0.41	<0.05	7.8	0.526	1.06
M675400		1360	26.2	77.9	<0.002	0.15	5.05	27.8	1	2.3	992	0.46	<0.05	8.0	0.570	1.20
M675401		1230	14.5	79.7	<0.002	0.79	13.35	25.1	1	1.4	531	0.43	0.05	6.7	0.520	2.33
M675402		1070	36.2	155.0	0.002	0.79	28.6	7.8	1	1.3	320	0.68	<0.05	9.1	0.308	3.25
M675403		900	12.1	151.5	<0.002	0.06	18.95	6.8	1	1.5	315	0.78	<0.05	10.8	0.269	3.38
M675404		830	13.0	139.5	<0.002	0.05	20.0	6.3	1	1.5	324	0.77	<0.05	10.2	0.245	3.24
M675405		850	16.0	145.0	<0.002	0.10	22.1	6.8	1	1.4	341	0.78	<0.05	10.4	0.259	3.18
M675406		830	23.1	161.0	<0.002	0.88	30.3	7.0	1	1.3	447	0.71	<0.05	10.2	0.275	3.52
M675407		800	593	179.0	<0.002	2.19	44.2	8.6	1	2.8	206	0.54	0.05	10.3	0.249	3.36
M675408		180	1.4	1.3	<0.002	<0.01	0.09	0.2	<1	<0.2	51.8	<0.05	<0.05	<0.2	<0.005	<0.02
M675409		620	630	151.0	<0.002	0.91	10.15	11.3	1	2.6	114.5	0.75	<0.05	15.2	0.265	2.13
M675410		560	1360	171.5	<0.002	4.91	67.7	9.9	2	8.3	99.2	0.55	1.24	11.3	0.212	2.67
M675411		470	8440	146.5	<0.002	3.33	59.0	9.1	1	5.8	38.0	0.53	<0.05	11.9	0.198	2.78
M675412		600	281	89.4	<0.002	0.26	14.75	10.7	1	2.1	162.0	0.72	<0.05	13.8	0.255	2.21
M675413		440	864	163.0	<0.002	5.34	67.1	8.4	1	5.2	17.1	0.51	0.18	10.0	0.188	2.83
M675414		180	3.7	2.5	<0.002	0.01	0.14	0.2	<1	<0.2	50.3	<0.05	<0.05	0.2	<0.005	0.02
M675415		600	378	177.0	<0.002	1.08	17.85	11.1	1	3.6	99.9	0.70	<0.05	15.5	0.261	3.81
M675416		530	1625	171.5	<0.002	3.64	99.2	10.2	2	9.6	118.5	0.60	<0.05	12.8	0.233	3.36
M675417		620	384	145.5	<0.002	0.31	29.9	11.1	1	2.9	119.0	0.73	<0.05	14.3	0.262	2.15
M675418		750	1035	159.0	<0.002	1.13	25.9	14.2	1	4.1	99.3	0.72	<0.05	13.8	0.326	2.31

***** See Appendix Page for comments regarding this certificate *****

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 8-AUG-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15112694

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Zn-OG62	As-OG62
	Analyte	U	V	W	Y	Zn	Zr	Zn	As
	Units	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	LOR	0.1	1	0.1	0.1	2	0.5	0.001	0.001
M675383		4.1	63	0.8	11.5	70	29.1		
M675384		4.9	66	2.1	13.3	202	27.1		
M675385		3.5	65	0.7	13.5	57	34.5		
M675386		4.0	71	1.3	15.5	60	33.2		
M675387		3.9	77	1.1	17.3	97	38.6		
M675388		4.0	80	1.2	17.9	107	39.2		
M675389		3.2	73	2.7	15.3	84	36.3		
M675390		2.5	41	1.7	11.1	701	30.5		
M675391		2.9	50	0.9	11.1	103	35.1		
M675392		3.5	41	0.7	11.6	268	35.3		
M675393		5.4	70	6.0	12.9	901	32.8		
M675394		4.2	48	2.0	7.8	1980	32.0		
M675395		3.6	41	0.7	12.5	90	31.4		
M675396		4.7	45	1.0	14.7	138	36.3		
M675397		3.8	41	1.7	12.2	424	39.9		
M675398		92.2	111	3.8	16.6	388	82.3		
M675399		2.5	215	1.0	22.1	106	110.0		
M675400		2.7	235	1.3	23.0	100	119.0		
M675401		2.2	218	3.5	19.4	75	116.5		
M675402		10.4	70	3.4	14.5	103	143.5		
M675403		4.7	60	1.5	13.3	60	89.4		
M675404		5.6	54	1.4	12.4	70	78.0		
M675405		4.9	59	1.8	13.2	75	86.0		
M675406		7.2	62	3.0	13.9	104	110.0		
M675407		7.5	66	5.0	12.3	726	93.4		
M675408		0.7	2	0.1	0.8	18	0.5		
M675409		4.5	72	5.6	16.3	1080	38.7		
M675410		5.5	66	6.3	12.5	2460	30.7		
M675411		4.4	58	6.2	9.9	>10000	29.5	1.240	1.315
M675412		5.6	70	4.6	17.1	172	37.1		
M675413		3.9	55	4.2	12.3	>10000	29.2	1.790	0.952
M675414		0.5	2	0.1	0.8	48	<0.5		
M675415		4.9	72	5.7	14.8	628	36.4		
M675416		5.7	65	5.0	13.4	>10000	33.2	1.865	
M675417		3.5	69	5.1	17.0	798	39.3		
M675418		4.8	100	7.2	16.0	1290	38.8		

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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: KLAZA

Finalized Date: 8-AUG-2015
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH15112694

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

As-OG62	Au-AA24	Au-GRA22	ME-MS61
ME-OG62	Zn-OG62		

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C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 8-AUG-2015
Account: ROCKHA

CERTIFICATE WH15112703

Project: KLAZA

P.O. No.: BATCH 81

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 29-JUL-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21d	Sample logging - ClientBarCode Dup
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
BAG-06	Double Bagging Coarse Rejects
SPL-21d	Split sample - duplicate
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31d	Pulverize Split - duplicate

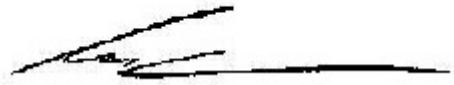
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.

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VANCOUVER BC V6B 1L8

Finalized Date: 8-AUG-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15112703

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
R610923		2.15	<0.005	0.07	7.13	3.3	2370	1.63	0.17	2.85	0.12	46.3	8.3	15	6.43	12.0
R610924		0.78	0.028	0.74	6.93	103.5	1100	1.57	0.19	4.86	7.42	52.2	7.2	10	25.0	10.8
R610925		4.65	<0.005	0.11	7.07	9.4	1960	1.60	0.22	3.05	0.19	44.7	7.6	13	22.3	10.4
R610926		0.33	0.386	4.62	6.79	747	950	1.55	3.63	2.15	11.80	53.9	11.9	28	14.65	311
R610927		0.92	0.022	1.37	5.70	76.9	1030	1.34	0.79	4.50	10.45	41.7	9.6	9	14.55	5.2
R610928		1.94	<0.005	0.14	6.83	10.0	1860	1.65	0.22	2.89	0.22	39.2	8.4	12	21.1	8.3
R610929		4.12	<0.005	0.22	7.17	30.7	1540	1.59	0.38	2.23	0.36	42.6	7.8	13	20.2	12.1
R610930		1.54	0.103	2.44	5.46	334	710	1.31	1.86	5.04	4.45	40.6	11.6	8	12.45	8.7
R610931		3.59	<0.005	0.01	0.07	0.3	30	0.10	0.08	20.4	0.07	1.16	0.7	2	0.25	1.7
R610932		3.42	<0.005	0.29	6.88	27.0	1890	1.43	0.17	2.85	1.90	39.9	8.1	10	20.9	11.2
R610933		0.80	0.054	1.95	5.85	175.0	950	1.22	1.78	3.26	9.43	41.0	17.3	8	12.90	11.0
R610934		5.03	<0.005	0.14	6.87	10.2	1970	1.64	0.37	3.02	0.20	41.9	8.3	14	18.90	13.4
R610935		1.30	0.036	1.54	6.78	373	1080	1.53	0.93	3.08	11.90	44.9	8.7	10	19.65	12.2
R610936		5.01	<0.005	0.08	7.39	3.2	2240	1.64	0.15	2.99	0.15	46.0	8.1	15	9.31	9.6
R610937		5.82	<0.005	0.20	7.01	15.0	1910	1.73	0.17	3.24	0.51	43.7	8.2	14	15.95	21.3
R610938		<0.02	<0.005	0.27	7.31	11.5	1940	1.67	0.18	3.16	0.72	43.6	7.9	13	14.60	21.1
R610939		2.87	0.039	2.12	6.61	464	2220	1.56	0.18	4.39	37.4	50.9	7.7	10	25.7	25.1
R610940		2.83	0.007	0.30	7.01	157.0	2020	1.71	0.45	3.10	0.42	43.6	8.0	13	23.3	7.9
R610941		3.11	<0.005	0.06	7.15	3.9	2140	1.75	0.15	2.93	0.16	39.4	7.7	12	10.30	9.7
R610942		5.06	<0.005	0.14	6.59	4.9	1710	1.92	0.18	2.60	0.15	40.9	6.3	12	13.20	9.4
R610943		0.35	0.897	11.45	6.56	1630	1170	1.59	12.30	1.92	34.8	48.5	17.0	21	14.45	284
R610944		2.23	<0.005	0.11	7.36	4.3	2360	1.97	0.20	3.04	0.16	40.9	8.1	13	11.75	15.1
R610945		2.47	0.007	0.63	6.78	98.5	2070	1.68	0.43	3.69	0.97	36.7	8.1	11	22.7	19.3
R610946		1.19	<0.005	0.33	7.07	22.4	2080	1.56	0.43	2.71	0.82	32.3	8.3	16	23.9	34.0
R610947		1.08	0.007	0.38	6.88	47.6	1130	1.38	0.15	3.53	0.18	50.2	8.5	10	20.8	8.3
R610948		2.93	<0.005	0.13	6.87	41.3	2300	1.72	0.19	2.74	0.14	40.1	7.8	11	25.8	9.3
R610949		1.68	<0.005	0.12	6.93	35.2	1870	1.79	0.19	2.72	0.15	42.9	8.6	13	26.5	9.7
R610950		3.50	<0.005	0.10	7.02	11.3	2030	1.66	0.38	3.03	0.11	41.2	8.4	14	20.4	11.5
R610951		3.30	<0.005	0.24	6.76	70.3	1850	1.74	0.42	3.11	0.11	39.8	7.8	15	21.7	8.4
R610952		2.51	<0.005	0.08	6.56	8.3	1880	1.69	0.16	2.99	0.16	37.2	7.9	12	21.6	13.6
R610953		0.87	0.066	0.34	6.50	432	1400	1.74	0.24	3.49	1.12	44.3	6.8	11	22.2	10.3
R610954		3.75	<0.005	<0.01	0.08	0.6	30	0.10	0.03	20.1	0.07	1.40	0.7	3	0.24	1.6
R610955		3.63	<0.005	0.08	6.90	5.1	2050	1.38	0.14	2.86	0.28	42.2	7.2	13	18.95	13.5
R610956		1.23	<0.005	0.60	7.48	69.7	1660	1.38	0.51	1.37	1.31	50.9	8.8	13	19.70	34.3
R610957		1.08	<0.005	0.85	6.46	37.3	500	1.94	0.22	3.93	0.63	58.6	6.6	16	22.1	10.0
R610958		1.42	<0.005	0.42	6.60	37.5	1420	1.98	0.16	3.61	0.27	59.2	6.3	15	23.0	13.0

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 8-AUG-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15112703

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
R610923		3.25	17.15	0.15	1.2	0.038	2.57	22.9	19.0	0.92	707	1.26	2.33	8.4	4.9	650
R610924		3.65	15.00	0.17	1.0	0.091	3.11	29.0	40.4	1.38	3910	1.04	0.30	7.0	2.9	570
R610925		3.13	16.95	0.16	1.1	0.041	2.65	21.5	26.7	0.84	747	0.83	1.55	8.1	2.8	650
R610926		5.21	16.15	0.14	1.1	0.331	3.05	30.6	27.6	0.80	1900	15.55	0.15	6.5	15.4	530
R610927		4.82	12.85	0.12	0.8	0.621	2.66	22.9	16.0	1.61	5510	0.80	0.02	5.7	2.3	450
R610928		2.95	16.40	0.15	1.1	0.038	2.64	18.8	33.9	0.73	871	1.04	1.27	8.2	2.7	630
R610929		3.16	17.15	0.15	1.3	0.071	2.90	20.8	70.1	0.67	1200	0.87	0.13	8.7	2.4	660
R610930		5.28	12.75	0.14	0.9	0.474	2.55	22.7	17.5	1.68	4350	1.30	0.02	5.8	2.2	440
R610931		0.50	0.23	0.11	<0.1	<0.005	0.03	0.6	1.0	12.35	230	0.14	<0.01	0.1	1.4	180
R610932		3.21	16.80	0.13	1.3	0.051	2.77	18.5	29.1	0.81	1080	1.05	1.51	8.5	2.8	640
R610933		4.16	12.60	0.12	1.4	0.116	3.07	22.2	11.5	1.12	2400	2.53	0.06	6.5	2.0	380
R610934		3.16	17.25	0.15	1.3	0.057	2.80	20.3	26.5	0.82	893	1.33	1.68	8.4	2.8	620
R610935		3.99	15.30	0.16	1.0	0.327	3.39	23.9	31.3	0.92	3910	0.84	0.17	7.1	2.5	560
R610936		3.31	16.90	0.16	1.2	0.038	2.56	22.9	18.5	0.90	743	0.84	2.41	8.2	3.0	650
R610937		3.26	17.40	0.15	1.3	0.064	3.05	20.9	26.2	0.83	1350	1.70	1.51	8.9	3.2	680
R610938		3.39	17.00	0.15	1.3	0.065	3.04	21.1	23.8	0.86	1310	1.34	1.64	8.7	3.1	690
R610939		3.58	15.00	0.16	1.1	0.135	2.89	27.7	41.1	1.28	2480	0.92	0.59	7.2	2.6	570
R610940		3.25	16.25	0.16	1.3	0.054	3.03	21.4	22.3	0.76	1320	1.12	1.50	8.2	2.8	660
R610941		3.11	16.50	0.15	1.1	0.040	2.60	18.8	18.1	0.83	701	0.84	2.32	8.1	2.7	620
R610942		2.66	15.75	0.16	1.6	0.036	2.89	20.5	20.4	0.77	640	2.17	1.77	8.7	2.3	500
R610943		6.69	15.65	0.16	1.1	0.821	2.94	26.1	20.9	0.77	1800	8.90	0.13	6.5	12.7	530
R610944		3.31	17.60	0.14	1.3	0.042	2.75	19.7	17.7	0.86	742	1.23	2.39	8.8	3.1	660
R610945		3.14	15.85	0.16	1.0	0.054	3.09	17.6	26.8	1.17	1500	0.91	0.85	8.0	2.7	590
R610946		3.24	16.60	0.15	1.2	0.055	2.86	14.7	47.1	0.82	930	0.77	0.60	8.6	2.8	650
R610947		2.88	15.20	0.14	1.1	0.039	2.51	27.0	101.0	1.12	1040	0.84	0.05	7.4	2.7	580
R610948		2.86	16.10	0.15	1.1	0.038	2.72	19.9	58.6	0.82	772	0.99	0.50	7.8	2.5	630
R610949		2.88	16.50	0.16	1.2	0.041	2.68	21.4	54.9	0.81	760	1.24	0.58	8.3	2.9	620
R610950		3.10	17.15	0.17	1.1	0.043	2.72	20.2	28.2	0.79	743	0.85	1.76	8.1	2.8	620
R610951		2.95	15.85	0.15	1.2	0.035	2.80	19.7	22.8	0.78	830	0.91	1.53	8.3	2.6	590
R610952		3.06	16.30	0.15	1.3	0.049	2.64	18.0	21.4	0.79	755	0.82	1.64	8.1	2.7	600
R610953		3.65	15.20	0.17	1.0	0.140	2.99	23.0	16.8	1.18	2810	0.85	0.60	7.2	2.3	540
R610954		0.47	0.25	0.15	<0.1	<0.005	0.03	0.7	1.0	11.95	214	0.10	0.01	0.2	1.5	180
R610955		3.10	15.85	0.19	1.2	0.042	2.65	20.8	17.3	0.75	977	0.62	1.41	7.8	2.5	600
R610956		3.40	15.60	0.17	1.1	0.062	3.11	28.2	33.9	0.72	1600	1.23	0.08	7.5	2.9	590
R610957		2.51	16.35	0.18	3.1	0.025	2.28	31.4	40.5	1.42	1050	1.59	0.03	9.2	5.8	970
R610958		2.81	16.90	0.18	3.2	0.027	2.51	32.3	39.5	1.38	1060	1.15	0.03	9.4	5.8	980

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 8-AUG-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15112703

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
R610923		19.5	84.3	0.002	0.02	0.73	11.3	1	1.5	408	0.68	<0.05	11.2	0.290	0.97	3.7
R610924		279	155.5	<0.002	0.87	9.09	10.4	1	1.4	176.0	0.56	<0.05	12.3	0.248	2.25	5.2
R610925		16.6	95.9	<0.002	0.08	4.18	11.2	1	1.6	315	0.64	<0.05	10.6	0.291	1.32	3.3
R610926		500	172.0	0.004	2.83	29.5	9.2	2	5.9	113.0	0.55	0.27	12.4	0.209	2.59	5.3
R610927		740	178.0	<0.002	1.30	12.80	8.1	1	2.4	191.0	0.45	<0.05	9.2	0.203	2.52	7.4
R610928		24.0	91.1	<0.002	0.08	3.52	10.2	1	1.7	265	0.70	<0.05	10.4	0.285	1.37	3.9
R610929		25.2	95.9	<0.002	0.22	16.50	10.7	1	2.0	149.0	0.74	<0.05	12.2	0.297	1.81	3.6
R610930		538	162.0	<0.002	2.79	16.35	8.1	1	2.3	120.5	0.49	<0.05	10.9	0.195	2.41	4.4
R610931		1.9	1.3	<0.002	<0.01	0.06	0.2	<1	<0.2	48.4	<0.05	<0.05	<0.2	<0.005	<0.02	0.6
R610932		85.2	91.3	<0.002	0.17	6.50	10.4	1	1.9	317	0.73	<0.05	10.7	0.293	1.66	3.7
R610933		338	191.0	<0.002	3.13	10.75	7.3	1	1.7	108.0	0.84	<0.05	16.7	0.159	2.55	8.4
R610934		21.1	105.5	<0.002	0.15	4.58	10.7	1	1.9	334	0.73	<0.05	11.9	0.272	1.52	4.1
R610935		319	165.0	<0.002	1.32	13.25	9.8	1	2.3	141.5	0.58	<0.05	12.4	0.249	2.65	4.9
R610936		18.9	91.3	<0.002	0.01	0.88	10.9	1	1.6	416	0.69	<0.05	12.4	0.288	1.03	4.1
R610937		50.9	120.5	<0.002	0.08	3.44	11.2	1	1.9	326	0.76	<0.05	12.0	0.293	1.84	5.0
R610938		72.7	126.0	<0.002	0.08	3.25	11.2	1	1.8	335	0.75	<0.05	12.7	0.296	1.74	4.9
R610939		358	139.0	<0.002	0.83	15.30	10.2	1	1.8	249	0.62	<0.05	13.4	0.245	2.14	4.7
R610940		37.0	119.5	<0.002	0.31	6.61	11.1	1	1.6	322	0.69	<0.05	12.5	0.285	2.01	4.1
R610941		19.2	89.2	<0.002	0.01	1.10	10.3	1	1.5	399	0.69	<0.05	11.0	0.282	1.10	4.1
R610942		21.3	102.5	<0.002	0.03	1.59	8.4	1	1.6	344	0.96	<0.05	15.5	0.228	1.19	6.5
R610943		1335	171.0	<0.002	4.82	66.6	9.1	2	8.0	99.1	0.55	0.99	11.9	0.212	2.73	5.3
R610944		21.4	96.3	<0.002	0.02	1.06	11.0	1	1.8	423	0.77	<0.05	13.4	0.294	1.16	4.8
R610945		69.1	138.0	<0.002	0.59	6.98	9.9	1	1.7	254	0.70	<0.05	11.6	0.270	2.29	4.3
R610946		93.5	114.0	<0.002	0.30	5.26	11.8	1	2.0	236	0.75	<0.05	10.9	0.295	1.81	4.8
R610947		16.8	80.3	<0.002	0.31	11.65	9.9	1	1.5	173.0	0.57	<0.05	11.4	0.262	1.53	5.3
R610948		15.4	89.4	<0.002	0.24	7.73	10.1	1	1.5	234	0.64	<0.05	9.7	0.280	1.76	3.3
R610949		16.4	94.6	<0.002	0.22	7.15	11.2	1	1.6	237	0.63	<0.05	10.2	0.286	1.73	3.5
R610950		19.5	96.5	<0.002	0.15	2.72	10.5	1	1.5	345	0.66	<0.05	9.5	0.278	1.35	3.1
R610951		22.4	112.5	<0.002	0.32	4.80	9.8	1	1.5	308	0.80	<0.05	11.5	0.264	1.76	4.8
R610952		16.5	84.0	<0.002	0.05	2.43	10.2	1	1.6	321	0.69	<0.05	10.3	0.277	1.29	3.5
R610953		149.5	134.5	<0.002	0.51	6.23	9.7	1	2.1	195.0	0.59	<0.05	11.5	0.244	2.26	4.6
R610954		1.4	1.3	<0.002	<0.01	<0.05	0.2	<1	<0.2	51.2	<0.05	<0.05	<0.2	<0.005	<0.02	0.6
R610955		27.2	95.2	<0.002	0.03	8.12	10.0	1	1.6	296	0.65	<0.05	11.5	0.272	1.32	3.4
R610956		66.0	145.0	<0.002	0.52	24.4	10.4	1	1.8	87.5	0.62	<0.05	13.6	0.267	2.17	6.0
R610957		58.7	114.5	<0.002	0.14	12.60	6.0	1	1.2	240	0.63	<0.05	8.7	0.272	2.68	6.7
R610958		33.5	149.5	<0.002	0.29	13.90	6.3	1	1.3	199.0	0.68	<0.05	9.5	0.274	3.09	6.4

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 8-AUG-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15112703

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	V	W	Y	Zn	Zr
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	1	0.1	0.1	2	0.5
R610923		82	1.9	16.0	57	30.1
R610924		74	3.0	18.4	540	26.3
R610925		83	2.1	15.4	63	29.7
R610926		69	5.8	12.6	898	31.8
R610927		59	3.1	11.5	773	20.8
R610928		79	2.4	14.4	72	29.4
R610929		83	5.7	14.0	76	32.0
R610930		58	4.0	12.1	357	23.1
R610931		2	0.1	0.7	18	<0.5
R610932		86	2.8	15.1	177	31.2
R610933		49	3.7	12.7	623	29.4
R610934		80	1.9	15.0	61	33.6
R610935		72	3.9	14.2	1110	27.5
R610936		83	1.5	16.3	61	30.7
R610937		87	2.4	16.7	104	35.6
R610938		88	2.6	16.8	124	33.9
R610939		72	2.7	16.1	3950	27.0
R610940		83	2.5	15.6	99	31.2
R610941		81	1.9	15.3	60	29.0
R610942		64	2.7	14.9	55	37.4
R610943		66	6.2	11.6	2430	30.8
R610944		84	2.7	16.5	64	31.0
R610945		76	4.5	14.3	164	24.5
R610946		85	3.5	14.5	137	28.9
R610947		75	9.9	14.2	53	27.4
R610948		79	5.2	13.4	57	26.8
R610949		81	5.4	14.1	57	30.5
R610950		80	2.0	14.6	54	28.7
R610951		75	2.1	13.9	48	30.8
R610952		82	2.2	14.2	58	31.7
R610953		70	2.8	14.3	120	26.1
R610954		2	0.1	0.9	18	<0.5
R610955		78	2.1	14.6	68	29.9
R610956		74	6.5	14.7	247	29.2
R610957		58	2.7	13.5	107	126.0
R610958		60	3.8	13.7	81	125.0

***** See Appendix Page for comments regarding this certificate *****

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VANCOUVER BC V6B 1L8

Project: KLAZA

Finalized Date: 8-AUG-2015
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH15112703

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	ME-MS61

ALS Canada Ltd.

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Finalized Date: 9-AUG-2015
Account: ROCKHA

CERTIFICATE WH15112707

Project: KLAZA

P.O. No.: BATCH 82

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 29-JUL-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21d	Sample logging - ClientBarCode Dup
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
BAG-06	Double Bagging Coarse Rejects
SPL-21d	Split sample - duplicate
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31d	Pulverize Split - duplicate

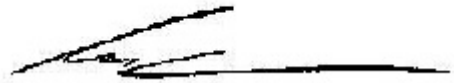
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.

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Finalized Date: 9-AUG-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15112707

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
R610959		4.40	<0.005	0.28	7.19	39.6	1050	1.88	0.15	3.16	0.20	57.5	6.3	17	22.4	10.9
R610960		1.49	0.007	0.91	5.27	56.9	2040	1.43	0.18	8.17	1.39	51.1	5.3	11	13.70	8.1
R610961		6.41	<0.005	0.46	7.42	16.5	1610	1.08	0.12	3.31	7.32	64.0	5.5	13	4.66	3.9
R610962		7.06	<0.005	0.28	7.54	15.9	2240	1.14	0.18	3.13	0.65	69.0	5.4	14	5.72	6.2
R610963		0.29	0.911	12.30	6.66	1585	1290	1.29	12.50	1.84	33.4	48.3	19.0	19	14.30	289
R610964		1.54	<0.005	0.79	6.33	22.8	9250	1.17	0.29	4.12	3.81	66.1	4.2	10	5.55	8.3
R610965		1.07	0.828	63.5	5.09	2670	1940	1.31	6.25	3.23	111.5	40.0	16.5	8	15.80	279
R610966		1.09	0.007	0.72	7.31	156.5	850	1.71	0.17	4.01	0.98	47.3	8.4	9	36.7	10.3
R610967		5.67	<0.005	0.57	7.05	42.3	1140	1.32	0.17	2.69	1.50	47.2	7.6	13	18.35	19.5
R610968		2.28	0.015	0.81	7.72	28.6	2080	1.56	1.09	0.72	0.83	55.4	8.0	11	14.25	40.4
R610969		0.76	<0.005	0.13	7.08	13.4	3890	1.61	0.70	2.66	0.28	24.4	22.5	7	35.7	40.5
R610970		4.59	<0.005	0.02	0.10	0.3	120	0.06	0.03	20.3	0.07	1.52	0.9	1	0.63	1.7
R610971		7.56	<0.005	0.10	7.96	18.5	1160	1.29	0.26	0.32	0.30	57.3	8.1	12	15.70	5.7
R610972		3.60	<0.005	0.16	8.22	12.3	2230	1.57	0.61	0.38	0.18	60.6	8.9	8	16.60	9.4
R610973		8.76	<0.005	0.22	7.82	17.4	1730	1.46	2.28	0.81	0.59	53.5	9.5	11	16.70	19.7
R610974		<0.02	<0.005	0.18	8.03	15.9	1780	1.44	1.87	0.84	0.58	56.0	8.9	11	16.85	19.1
R610975		2.81	<0.005	0.15	8.22	9.6	2050	1.64	0.47	0.77	0.39	57.5	8.5	10	12.90	12.8
R610976		6.47	<0.005	0.20	7.84	18.6	1860	1.72	1.66	1.27	0.32	57.0	9.6	10	16.25	20.5
R610977		2.62	<0.005	0.55	8.32	41.3	1510	1.61	0.28	0.53	0.80	60.8	9.1	9	19.55	19.8
R610978		8.99	<0.005	0.11	7.49	4.0	2100	1.67	0.28	2.42	0.22	48.9	8.7	11	7.46	15.1
R610979		0.34	0.366	4.34	6.79	719	1240	1.49	3.39	2.03	11.25	54.6	12.6	25	14.20	315
R610980		10.52	<0.005	0.13	7.37	7.7	2010	1.51	0.31	2.14	0.23	50.7	8.4	9	8.60	13.7
R610981		4.60	0.037	0.64	8.01	92.9	1230	1.59	0.84	0.28	1.70	60.1	13.8	12	18.15	30.2
R610982		4.18	<0.005	0.10	7.55	4.8	1880	1.64	0.28	2.55	0.11	52.1	9.8	14	15.95	12.7
R610983		6.36	<0.005	0.16	6.55	31.2	1640	1.49	0.16	2.83	0.12	41.3	8.6	15	22.5	10.3
R610984		3.64	<0.005	0.04	6.84	3.1	1890	1.44	0.06	2.85	0.07	37.4	8.3	11	19.70	7.8
R610985		2.00	<0.005	0.05	6.97	3.5	1850	1.51	0.07	2.94	0.07	38.7	8.3	14	19.85	8.3
R610986		1.89	<0.005	0.08	6.91	13.1	4500	1.43	0.13	2.84	0.09	48.0	9.7	9	30.3	8.2
R610987		4.63	<0.005	0.37	6.45	32.3	1420	1.47	2.93	3.55	0.18	38.2	8.4	11	29.2	26.8
R610988		3.13	0.005	0.86	6.62	63.3	1660	1.59	2.02	2.66	0.20	43.4	11.9	11	16.75	22.3
R610989		4.90	<0.005	0.05	7.43	5.1	1890	1.40	0.07	2.96	0.07	44.2	8.2	14	12.50	5.4
R610990		1.34	<0.005	0.27	5.81	66.3	1490	1.30	0.23	4.33	0.25	39.2	8.5	8	14.40	3.5
R610991		5.13	<0.005	0.02	0.07	0.3	20	0.07	0.02	19.90	0.06	1.05	0.6	1	0.20	2.2
R610992		5.37	<0.005	0.04	6.50	7.5	1500	1.07	0.04	3.64	0.08	37.5	6.6	11	13.20	8.8
R610993		2.33	<0.005	0.14	7.51	65.1	1040	1.75	0.06	1.88	0.19	44.7	12.1	12	30.5	17.9
R610994		1.33	0.144	1.02	6.39	210	780	1.35	0.09	2.54	0.69	43.1	9.7	10	25.5	13.5

***** See Appendix Page for comments regarding this certificate *****

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C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 9-AUG-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15112707

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
R610959		2.31	17.80	0.16	3.4	0.031	2.74	29.2	36.7	1.29	757	1.20	0.03	9.9	6.5	1030
R610960		2.89	12.20	0.15	2.3	0.032	1.38	27.9	45.5	3.26	1640	2.46	0.03	7.8	4.6	730
R610961		2.26	17.05	0.15	2.4	0.037	0.38	32.5	92.8	1.22	679	0.94	0.02	11.3	3.0	860
R610962		2.28	17.45	0.17	2.5	0.059	0.51	34.8	129.0	1.14	713	1.16	0.02	11.5	3.1	880
R610963		6.45	15.30	0.16	1.0	0.816	2.92	25.0	18.1	0.76	1830	8.66	0.12	6.5	12.5	530
R610964		2.38	14.30	0.15	2.1	0.074	0.57	35.3	160.5	1.52	914	1.06	0.01	9.5	2.4	760
R610965		4.97	12.45	0.13	1.5	0.757	1.53	21.0	37.6	1.12	1790	10.60	0.02	6.1	4.0	490
R610966		2.82	16.20	0.15	1.3	0.052	2.26	24.7	52.7	1.49	1050	1.74	0.04	8.9	2.5	640
R610967		2.75	16.00	0.16	1.3	0.059	2.21	23.8	47.9	0.84	1120	1.47	0.38	8.0	2.3	580
R610968		3.21	16.25	0.16	1.4	0.055	2.50	29.6	24.7	0.43	886	2.98	1.68	8.3	3.3	680
R610969		2.73	14.80	0.14	1.7	0.040	2.61	11.4	28.3	0.29	442	2.67	0.05	7.7	2.2	570
R610970		0.49	0.34	0.15	<0.1	0.005	0.04	0.7	1.5	12.35	228	0.18	0.01	0.3	1.7	170
R610971		2.90	17.00	0.19	1.4	0.043	2.22	30.8	112.5	0.17	964	3.27	0.32	8.1	2.5	650
R610972		3.12	17.60	0.19	1.5	0.047	2.59	32.5	35.3	0.19	930	2.43	0.87	8.6	2.7	700
R610973		3.03	17.05	0.19	1.2	0.041	2.50	30.3	41.5	0.35	838	3.63	0.98	8.2	2.8	670
R610974		3.05	17.15	0.18	1.3	0.038	2.58	33.2	42.5	0.36	776	3.41	1.01	8.2	2.9	660
R610975		3.29	17.40	0.20	1.5	0.034	2.78	29.7	23.4	0.49	559	1.69	1.04	8.6	2.8	670
R610976		3.46	17.10	0.19	1.4	0.050	2.67	32.3	45.9	0.51	759	2.59	1.40	8.4	2.8	700
R610977		3.21	18.60	0.20	1.2	0.050	2.49	31.3	33.5	0.25	967	4.76	0.78	8.8	3.0	750
R610978		3.14	17.10	0.18	1.3	0.037	2.58	23.0	16.3	0.83	700	0.91	2.09	8.2	2.7	650
R610979		4.95	15.55	0.18	1.1	0.326	3.00	30.8	26.8	0.77	1920	15.05	0.15	6.4	15.0	510
R610980		3.23	16.35	0.19	1.2	0.043	2.56	25.2	12.9	0.75	804	1.07	1.90	7.9	2.8	630
R610981		5.00	17.65	0.20	1.2	0.152	3.04	40.0	37.5	0.25	2560	11.75	0.20	8.0	2.8	540
R610982		3.37	17.40	0.20	1.3	0.044	2.47	25.7	16.4	0.81	805	1.24	2.01	8.6	4.1	680
R610983		3.20	15.20	0.17	1.1	0.100	2.62	20.1	47.1	0.87	1560	1.35	0.83	7.3	2.8	600
R610984		3.04	16.00	0.19	1.1	0.031	2.40	17.6	11.2	0.73	690	1.19	1.91	7.6	2.7	620
R610985		3.07	16.15	0.18	1.2	0.033	2.37	18.3	9.7	0.75	698	1.30	1.99	7.8	2.7	640
R610986		3.14	15.90	0.21	1.2	0.078	2.64	23.7	77.1	0.96	1600	2.05	0.48	7.7	3.2	620
R610987		2.97	16.15	0.06	1.1	0.084	2.50	19.1	24.9	0.94	1420	1.27	0.43	8.1	2.5	600
R610988		2.93	15.85	0.07	1.0	0.049	2.58	22.4	75.0	0.89	1130	3.73	0.09	7.7	3.2	620
R610989		3.16	17.10	0.07	1.1	0.042	2.40	21.7	37.0	0.88	684	1.06	1.66	8.3	2.6	680
R610990		2.94	13.20	0.06	0.8	0.031	2.48	22.6	27.5	1.20	1430	2.10	0.25	5.2	2.2	450
R610991		0.49	0.21	<0.05	<0.1	0.005	0.02	0.5	0.9	12.90	220	0.08	0.01	0.2	1.5	160
R610992		2.52	16.80	0.05	1.1	0.036	2.43	18.2	39.9	0.61	975	1.60	0.69	7.9	2.4	570
R610993		2.78	20.0	0.06	1.6	0.049	2.60	21.4	181.5	0.70	547	1.75	0.46	9.8	2.9	810
R610994		3.01	13.90	0.06	1.2	0.039	2.40	23.5	60.0	0.97	1800	1.56	0.05	7.4	3.0	550

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 9-AUG-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15112707

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
R610959		19.5	143.0	<0.002	0.18	9.66	6.7	1	1.3	549	0.69	<0.05	8.6	0.276	3.65	5.3
R610960		70.1	85.9	<0.002	0.20	9.19	5.1	1	1.0	419	0.52	<0.05	7.7	0.201	1.76	7.8
R610961		121.5	7.7	<0.002	0.18	5.02	5.7	1	1.3	587	0.76	<0.05	9.5	0.246	0.71	6.9
R610962		34.0	12.0	<0.002	0.17	6.17	6.1	1	1.4	581	0.79	<0.05	10.3	0.252	0.77	6.9
R610963		1270	173.0	<0.002	4.62	63.2	9.5	2	8.0	99.4	0.53	0.91	11.7	0.202	2.70	5.2
R610964		104.0	22.2	<0.002	0.29	8.82	5.1	1	1.4	469	0.66	<0.05	9.6	0.204	0.47	10.8
R610965		8210	91.3	<0.002	3.93	72.8	6.4	1	5.3	247	0.61	0.46	11.2	0.162	1.72	14.1
R610966		44.5	91.4	<0.002	0.52	13.10	12.1	1	2.0	194.5	0.76	<0.05	11.3	0.284	2.36	5.1
R610967		85.4	82.8	<0.002	0.17	8.72	10.3	1	1.6	193.5	0.75	<0.05	14.0	0.244	1.73	4.9
R610968		107.5	125.5	<0.002	0.04	7.69	12.8	1	2.0	174.5	0.66	0.08	14.2	0.287	1.59	2.2
R610969		14.0	96.2	<0.002	0.09	12.40	6.8	1	6.1	59.8	0.65	<0.05	6.6	0.230	1.96	4.3
R610970		2.1	3.1	<0.002	0.01	0.06	0.2	<1	<0.2	52.9	<0.05	<0.05	0.2	<0.005	0.02	0.6
R610971		14.2	116.5	<0.002	0.01	25.7	12.8	1	1.9	56.5	0.69	<0.05	15.4	0.263	1.98	3.7
R610972		14.0	128.0	<0.002	0.03	20.1	13.7	1	2.1	88.0	0.77	<0.05	16.5	0.285	2.03	3.2
R610973		17.4	119.0	<0.002	0.01	16.30	13.2	1	2.2	166.0	0.66	0.05	16.2	0.275	1.76	3.4
R610974		16.7	123.5	<0.002	0.01	16.30	13.1	1	2.2	171.5	0.68	0.09	16.3	0.285	1.73	3.3
R610975		17.8	123.5	<0.002	<0.01	3.74	13.2	1	2.1	180.0	0.77	<0.05	17.3	0.281	1.36	2.4
R610976		18.2	131.0	<0.002	<0.01	8.08	13.5	1	2.4	252	0.75	<0.05	16.4	0.279	1.77	3.0
R610977		16.5	124.0	<0.002	<0.01	6.00	13.7	1	2.1	112.5	0.67	<0.05	18.9	0.303	1.39	3.8
R610978		15.7	103.5	<0.002	0.01	0.76	12.8	1	2.2	385	0.70	<0.05	12.3	0.279	1.25	1.8
R610979		477	174.0	0.004	2.69	28.2	9.5	1	5.8	112.5	0.52	0.35	12.2	0.205	2.68	5.3
R610980		19.6	104.0	<0.002	0.01	1.33	11.8	1	2.2	347	0.65	<0.05	13.1	0.273	1.39	1.7
R610981		65.9	177.0	<0.002	0.01	12.70	14.4	1	3.0	76.4	0.65	<0.05	14.3	0.289	2.71	6.7
R610982		14.6	113.0	<0.002	0.03	4.98	14.6	1	2.9	351	0.70	<0.05	13.0	0.307	1.43	2.5
R610983		17.8	110.0	<0.002	0.21	6.50	11.0	1	1.7	256	0.53	<0.05	10.5	0.256	1.86	4.1
R610984		13.8	87.5	<0.002	0.01	1.77	11.1	1	1.6	389	0.59	<0.05	9.5	0.273	1.17	3.1
R610985		14.2	85.8	<0.002	0.02	1.71	11.1	1	1.7	405	0.60	<0.05	10.5	0.279	1.16	3.2
R610986		15.5	122.0	<0.002	0.24	11.10	13.4	1	1.8	247	0.62	<0.05	10.9	0.286	2.18	9.3
R610987		13.2	129.5	<0.002	0.21	9.15	12.1	1	3.0	186.5	0.59	<0.05	11.7	0.268	1.93	4.5
R610988		33.7	117.0	<0.002	1.10	20.4	11.8	1	1.5	151.0	0.58	<0.05	10.3	0.265	2.05	16.0
R610989		17.1	94.0	<0.002	0.04	3.07	12.7	1	1.5	407	0.57	<0.05	12.7	0.297	1.03	3.5
R610990		13.8	124.5	<0.002	1.12	23.3	8.3	1	1.0	155.5	0.38	<0.05	8.7	0.200	1.54	6.7
R610991		1.2	1.2	<0.002	<0.01	0.06	0.2	<1	<0.2	46.8	<0.05	<0.05	<0.2	0.005	<0.02	0.5
R610992		13.6	85.5	<0.002	0.04	6.59	10.5	1	1.3	217	0.62	<0.05	10.6	0.260	1.24	3.3
R610993		17.9	110.0	<0.002	0.16	23.2	16.5	1	2.0	278	0.79	<0.05	12.0	0.355	2.32	4.6
R610994		47.1	136.5	<0.002	0.36	30.3	9.3	1	1.3	133.0	0.73	<0.05	14.2	0.246	2.44	10.7

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Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	V	W	Y	Zn	Zr
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	1	0.1	0.1	2	0.5
R610959		61	3.2	12.8	62	130.5
R610960		44	3.5	13.2	162	90.1
R610961		51	4.5	12.6	410	84.4
R610962		52	3.7	13.5	177	85.9
R610963		64	6.1	12.1	2370	30.2
R610964		46	5.9	13.9	297	74.2
R610965		49	4.5	13.2	7560	44.7
R610966		88	4.6	14.7	106	32.8
R610967		72	4.6	15.3	148	31.6
R610968		84	4.4	15.2	125	43.0
R610969		64	2.7	8.4	72	54.7
R610970		3	0.1	0.9	19	0.6
R610971		81	2.2	14.2	79	36.8
R610972		86	3.1	16.2	80	38.8
R610973		87	2.6	18.8	68	34.2
R610974		88	2.7	18.6	68	34.4
R610975		85	2.4	17.0	65	38.1
R610976		87	2.9	21.3	64	35.5
R610977		95	6.8	21.6	81	36.3
R610978		84	0.9	18.7	53	32.5
R610979		68	5.9	13.0	867	31.8
R610980		82	1.5	17.0	63	31.6
R610981		93	7.3	27.0	196	31.5
R610982		95	0.6	19.8	56	33.3
R610983		79	2.7	14.6	63	28.9
R610984		83	0.9	13.2	51	30.5
R610985		84	0.9	13.3	51	31.7
R610986		93	1.6	16.9	64	30.8
R610987		76	3.1	14.3	85	30.8
R610988		78	1.7	17.2	53	26.3
R610989		86	2.2	16.9	59	31.6
R610990		59	1.5	14.1	63	22.5
R610991		3	0.1	0.8	16	0.5
R610992		72	1.4	15.0	56	30.3
R610993		105	2.7	16.6	72	37.7
R610994		75	2.9	14.8	112	30.7

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

2103 Dollarton Hwy
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Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: KLAZA

Finalized Date: 9-AUG-2015
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH15112707

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	ME-MS61

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 9-AUG-2015
Account: ROCKHA

CERTIFICATE WH15112719

Project: KLAZA

P.O. No.: BATCH 83

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 29-JUL-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21d	Sample logging - ClientBarCode Dup
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
BAG-06	Double Bagging Coarse Rejects
SPL-21d	Split sample - duplicate
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31d	Pulverize Split - duplicate

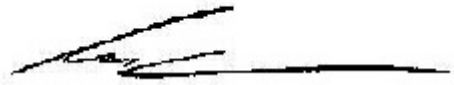
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 9-AUG-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15112719

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
M675419		1.52	1.385	1.76	7.67	4680	1560	1.41	0.25	1.34	20.1	52.3	8.4	9	23.5	24.8
M675420		9.18	0.034	0.45	8.07	28.2	2260	1.34	0.16	1.77	11.55	42.2	6.2	9	28.0	13.0
M675421		3.34	0.072	0.68	7.39	208	1560	1.76	0.36	2.24	4.46	51.0	6.6	7	25.7	8.4
M675422		6.58	0.009	0.18	7.03	20.7	1330	1.23	0.20	2.27	1.27	38.3	6.0	7	16.60	5.1
M675423		2.68	0.025	2.32	7.74	65.7	1320	1.57	0.30	1.76	25.3	54.1	5.4	8	15.80	9.8
M675424		0.34	0.359	5.10	7.35	794	420	1.56	3.59	2.27	12.20	54.1	13.0	28	14.30	351
M675425		2.37	0.072	6.05	6.98	124.0	250	1.35	0.77	0.48	57.4	25.1	10.4	9	8.80	29.0
M675426		2.27	0.025	0.96	7.53	62.1	1650	1.77	0.56	1.78	10.55	46.2	8.0	8	30.0	8.0
M675427		6.00	0.014	0.43	7.54	67.7	840	2.06	0.25	2.24	0.72	52.6	6.6	8	31.7	9.1
M675428		3.10	0.076	1.81	7.13	219	1130	1.82	0.32	2.04	4.56	50.1	8.2	8	27.2	30.8
M675429		<0.02	0.064	1.61	7.05	219	1060	1.80	0.28	2.06	4.08	49.0	7.5	8	24.4	29.3
M675430		9.92	0.006	0.20	6.86	46.9	820	1.84	0.07	3.20	0.33	52.2	6.1	9	25.8	6.8
M675431		8.59	<0.005	0.15	6.96	33.9	1410	1.85	0.07	3.21	0.21	53.3	6.3	9	31.1	5.5
M675432		1.49	0.115	1.43	7.48	99.4	2080	1.82	1.21	3.08	7.66	52.9	7.5	9	36.6	39.4
M675433		4.09	0.031	0.48	7.32	60.8	2630	1.59	0.33	2.37	2.10	42.4	5.5	8	25.1	14.7
M675434		2.31	0.015	0.32	7.16	53.0	1680	1.36	0.22	2.02	0.69	39.2	5.0	7	23.2	8.4
M675435		1.57	0.852	10.15	6.58	718	270	1.84	5.24	1.94	56.7	51.4	8.7	11	30.5	124.0
M675436		4.64	<0.005	0.13	6.76	16.0	1440	1.97	0.19	3.48	0.53	49.9	4.8	13	20.3	5.7
M675437		10.08	<0.005	0.14	6.67	17.2	1460	1.84	0.20	3.19	0.55	50.8	4.9	13	19.80	7.1
M675438		10.40	<0.005	0.10	6.49	14.3	1330	2.00	0.15	3.47	0.34	50.7	5.1	12	21.9	5.6
M675439		2.91	<0.005	0.33	6.87	29.0	900	2.17	0.19	3.13	1.75	66.2	6.2	16	17.65	9.6
M675440		3.80	0.390	5.75	6.97	1215	1510	1.43	1.61	2.56	28.3	61.6	5.9	6	10.80	50.6
M675441		5.70	0.018	1.18	6.93	27.2	1050	1.72	0.50	2.69	7.65	61.9	5.5	8	13.45	14.0
M675442		4.63	0.214	0.83	7.30	27.9	1780	1.62	0.51	2.03	5.67	47.7	6.7	11	19.55	13.1
M675443		3.42	0.012	0.36	7.38	58.5	2930	1.46	0.27	2.63	0.31	50.3	5.9	7	20.1	7.2
M675444		1.38	1.920	9.70	6.63	2950	840	1.44	4.25	3.30	54.6	48.2	6.2	6	16.80	179.0
M675445		0.34	0.877	12.30	6.34	1585	150	1.37	11.50	1.85	33.6	45.0	17.1	20	13.20	293
M675446		3.66	0.342	1.57	7.06	581	690	1.72	0.18	2.17	14.40	48.4	5.4	8	16.05	17.7
M675447		4.18	<0.005	0.01	0.15	2.5	30	0.07	0.04	20.7	0.14	1.46	0.8	5	0.52	1.4
M675448		4.91	0.018	0.13	7.29	14.3	2390	1.36	0.54	3.06	0.31	47.7	9.8	7	10.95	13.1
M675449		9.90	0.007	0.31	7.48	11.8	2180	1.22	0.29	1.69	2.56	44.7	6.0	8	16.60	7.7
M675450		10.05	<0.005	0.14	8.11	10.1	2280	1.17	0.35	1.25	0.19	54.3	7.2	7	14.35	14.0
M675451		3.91	<0.005	0.12	7.68	9.6	1610	1.28	0.33	1.18	0.20	50.9	7.6	8	10.75	5.9
M675452		1.78	0.617	5.80	6.66	672	540	1.56	1.16	2.33	9.29	51.0	8.8	6	12.40	30.7
M675453		4.97	<0.005	0.01	0.11	0.7	230	0.09	0.03	21.4	0.07	1.32	0.6	<1	0.18	2.2
M675454		5.66	0.008	0.32	7.52	36.5	1530	1.33	0.25	1.77	0.75	54.1	6.4	7	16.50	9.2

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 9-AUG-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15112719

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
M675419		3.56	17.15	0.15	1.3	0.083	3.32	28.1	41.3	0.51	949	1.93	0.09	8.0	2.7	580
M675420		3.05	18.80	0.15	1.4	0.298	2.95	20.3	81.2	0.54	778	1.54	0.11	9.2	2.4	690
M675421		3.82	17.25	0.16	1.1	0.065	2.56	27.8	82.3	0.86	1500	1.31	0.04	7.3	2.1	560
M675422		2.49	17.00	0.16	1.2	0.044	2.61	17.6	67.5	0.57	677	1.04	0.09	8.0	2.0	610
M675423		3.32	17.75	0.18	1.0	0.149	3.33	30.5	26.8	0.76	1380	0.83	0.04	6.7	2.2	590
M675424		5.58	17.90	0.16	1.1	0.345	3.31	30.4	29.8	0.86	2110	15.65	0.17	6.7	15.6	590
M675425		4.85	17.25	0.12	1.0	0.435	3.41	10.8	13.4	0.55	1380	3.37	0.04	5.3	2.3	510
M675426		2.87	18.30	0.15	1.2	0.104	3.13	23.3	29.8	0.69	890	1.91	0.04	8.5	2.5	580
M675427		2.77	17.30	0.17	1.1	0.047	2.97	27.9	68.8	0.92	1040	1.41	0.05	7.8	2.4	580
M675428		2.86	16.90	0.17	1.4	0.131	2.97	28.5	38.8	0.90	1040	8.37	0.05	7.1	3.1	550
M675429		2.87	16.50	0.16	1.4	0.114	3.03	26.9	35.0	0.89	1030	7.18	0.05	6.8	2.9	580
M675430		2.42	18.70	0.20	3.0	0.035	2.98	26.5	53.5	0.97	676	1.32	0.04	9.7	4.0	730
M675431		2.40	19.50	0.18	3.2	0.038	3.12	27.7	35.8	1.01	706	1.33	0.05	10.1	4.3	740
M675432		3.20	17.55	0.18	2.1	0.198	2.93	27.9	89.0	1.01	929	1.74	0.06	8.8	3.8	710
M675433		2.85	17.55	0.16	1.1	0.075	3.12	20.5	60.2	0.69	798	1.87	0.12	8.3	2.3	610
M675434		2.73	16.90	0.17	1.0	0.056	3.08	19.4	63.7	0.66	766	1.56	0.12	7.9	2.0	600
M675435		3.56	16.90	0.14	2.0	1.075	2.55	26.0	79.7	0.76	1040	19.50	0.04	8.1	4.3	760
M675436		2.18	19.30	0.18	2.6	0.026	2.56	25.1	100.5	0.73	454	1.23	0.05	9.9	4.1	940
M675437		2.18	19.25	0.16	2.8	0.035	2.45	24.8	124.0	0.70	457	1.57	0.05	10.1	4.3	930
M675438		2.19	20.0	0.17	2.7	0.029	2.50	24.8	139.0	0.67	447	1.48	0.05	10.5	4.3	920
M675439		2.53	20.3	0.19	4.0	0.028	1.98	34.2	216	0.74	647	15.55	0.04	10.6	5.2	1170
M675440		3.22	16.20	0.18	1.1	0.328	3.15	35.8	20.7	0.84	1640	3.06	0.04	7.1	2.0	550
M675441		3.14	17.05	0.17	1.2	0.135	3.27	33.5	48.5	0.85	1580	2.10	0.12	7.6	2.1	580
M675442		3.55	17.40	0.18	1.2	0.106	3.28	24.5	38.3	0.70	1080	1.76	0.56	8.0	3.5	580
M675443		2.70	17.05	0.16	1.1	0.050	3.00	26.3	91.0	0.96	932	2.02	0.05	7.6	2.2	590
M675444		3.32	15.55	0.15	1.1	1.005	2.83	26.0	35.5	1.12	2190	5.01	0.03	6.9	2.7	510
M675445		6.63	16.40	0.16	1.0	0.796	2.92	23.1	20.4	0.75	1840	9.18	0.13	6.6	12.2	540
M675446		2.91	16.35	0.17	1.1	0.274	2.34	24.8	111.0	0.71	1180	1.13	0.04	7.6	2.0	600
M675447		0.48	0.38	0.12	<0.1	0.005	0.07	0.8	2.0	12.95	218	0.18	0.01	0.2	2.2	190
M675448		3.02	16.75	0.14	1.0	0.191	2.87	24.0	38.9	0.67	707	0.72	0.24	7.9	4.5	660
M675449		3.02	17.55	0.16	1.3	0.077	3.18	21.2	39.7	0.55	555	1.44	0.17	8.7	2.9	630
M675450		2.92	17.50	0.14	1.2	0.062	2.68	27.6	51.7	0.51	668	2.10	0.11	8.3	2.4	640
M675451		2.83	17.15	0.15	1.3	0.057	2.39	25.3	50.1	0.45	744	1.71	0.08	8.6	2.3	630
M675452		3.83	15.25	0.19	1.1	0.135	3.06	27.5	19.1	0.88	2130	4.01	0.03	6.8	2.5	510
M675453		0.49	0.27	0.10	<0.1	<0.005	0.03	0.6	1.4	13.40	207	0.13	0.01	0.2	1.6	200
M675454		3.11	16.80	0.20	1.3	0.078	2.60	27.3	46.2	0.67	1250	2.04	0.07	8.8	2.3	680

***** See Appendix Page for comments regarding this certificate *****

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VANCOUVER BC V6B 1L8

Finalized Date: 9-AUG-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15112719

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
M675419		536	154.5	<0.002	1.25	29.3	9.5	<1	2.3	79.9	0.73	<0.05	12.6	0.253	2.19	3.5
M675420		92.9	109.5	<0.002	0.15	11.05	11.2	<1	2.0	131.5	0.85	<0.05	11.7	0.296	1.58	3.5
M675421		204	107.5	<0.002	0.58	10.35	9.8	<1	3.1	192.0	0.61	<0.05	11.8	0.249	2.26	3.7
M675422		25.5	84.8	<0.002	0.32	10.80	9.8	<1	1.6	121.0	0.68	0.09	10.7	0.259	1.72	3.2
M675423		1435	175.0	<0.002	1.41	7.49	9.9	<1	3.0	74.7	0.59	0.07	12.1	0.235	3.04	3.7
M675424		549	171.5	0.005	2.97	30.6	9.9	1	6.3	119.0	0.59	0.31	11.4	0.230	2.73	5.2
M675425		3280	191.5	<0.002	3.46	12.20	8.7	<1	3.4	20.4	0.49	0.18	10.9	0.179	2.95	2.3
M675426		463	131.5	<0.002	1.18	9.34	11.2	1	2.3	85.7	0.79	0.20	14.0	0.265	3.01	5.1
M675427		86.1	143.0	<0.002	0.40	10.15	10.0	<1	1.9	112.5	0.69	<0.05	13.8	0.247	2.78	5.4
M675428		290	182.5	<0.002	0.68	19.80	8.8	1	4.1	128.0	0.61	<0.05	11.7	0.222	2.98	4.1
M675429		227	169.5	<0.002	0.66	18.65	8.5	<1	3.7	122.5	0.60	<0.05	11.1	0.224	3.01	4.1
M675430		21.7	136.0	<0.002	0.24	7.62	7.3	<1	1.3	275	0.79	<0.05	8.9	0.269	3.15	7.7
M675431		27.7	146.0	<0.002	0.16	6.57	7.5	<1	1.3	308	0.83	<0.05	8.9	0.274	3.57	5.9
M675432		262	148.5	<0.002	0.40	14.15	9.4	1	2.5	286	0.72	<0.05	10.7	0.276	2.83	4.6
M675433		61.9	117.5	<0.002	0.31	14.60	10.4	<1	2.0	158.5	0.71	<0.05	11.2	0.267	2.22	3.4
M675434		34.5	112.5	<0.002	0.24	13.05	9.7	1	1.7	143.0	0.68	<0.05	10.6	0.253	2.08	4.1
M675435		1645	125.0	<0.002	2.19	28.8	7.6	1	3.3	402	0.61	0.16	8.7	0.252	2.31	7.2
M675436		30.7	71.5	<0.002	0.05	8.43	4.1	1	1.4	632	0.76	<0.05	7.7	0.284	1.11	4.2
M675437		28.6	68.3	<0.002	0.05	9.58	4.4	<1	1.4	550	0.75	<0.05	7.7	0.285	1.12	3.9
M675438		27.1	72.2	<0.002	0.04	8.59	4.4	<1	1.5	479	0.80	<0.05	7.9	0.282	1.02	4.1
M675439		81.8	61.1	<0.002	0.09	14.45	5.5	<1	1.7	675	0.75	<0.05	8.8	0.325	0.91	4.8
M675440		1675	179.5	<0.002	1.53	16.40	9.0	1	4.9	109.0	0.64	0.10	12.0	0.225	2.69	4.8
M675441		331	150.5	<0.002	0.60	5.65	10.5	1	2.7	125.5	0.70	0.08	11.9	0.237	2.53	4.6
M675442		326	132.5	<0.002	0.50	7.46	11.2	<1	2.8	151.5	0.69	0.05	12.0	0.254	2.19	4.5
M675443		84.7	102.0	<0.002	0.36	7.05	9.8	<1	1.9	205	0.67	<0.05	11.8	0.250	2.46	4.9
M675444		1170	149.0	<0.002	1.91	40.5	8.9	<1	2.8	84.7	0.61	0.07	10.8	0.222	3.02	5.0
M675445		1320	159.0	0.002	4.69	66.4	9.2	2	8.2	96.3	0.56	1.20	10.4	0.214	2.55	4.9
M675446		565	93.8	<0.002	0.94	11.55	9.8	<1	2.7	150.0	0.67	<0.05	11.4	0.248	2.24	3.9
M675447		3.5	3.3	<0.002	<0.01	0.10	0.3	<1	<0.2	49.4	<0.05	<0.05	<0.2	0.007	0.03	0.7
M675448		16.6	111.5	0.002	0.74	8.66	11.2	<1	2.9	130.5	0.76	0.20	11.4	0.278	1.58	2.9
M675449		98.6	118.0	<0.002	0.25	9.78	11.0	1	2.1	106.5	0.83	0.09	13.8	0.267	1.52	3.6
M675450		17.5	113.5	<0.002	0.21	19.20	10.9	1	1.9	95.2	0.80	0.05	15.1	0.265	1.34	2.9
M675451		16.1	104.5	<0.002	0.37	18.75	11.6	1	2.0	78.5	0.85	0.09	15.3	0.260	1.28	3.5
M675452		1840	187.5	0.002	2.52	24.9	9.4	1	3.3	66.2	0.67	0.23	10.8	0.216	2.66	5.1
M675453		2.6	1.4	<0.002	0.01	0.12	0.2	<1	<0.2	49.3	<0.05	<0.05	<0.2	<0.005	0.02	0.5
M675454		62.3	127.5	<0.002	0.31	19.35	11.4	1	2.2	89.2	0.87	0.07	13.1	0.276	1.80	3.7

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
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Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 9-AUG-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15112719

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	V	W	Y	Zn	Zr
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	1	0.1	0.1	2	0.5
M675419		67	3.4	12.6	1120	37.0
M675420		79	3.4	12.8	689	39.3
M675421		67	5.1	14.0	357	30.7
M675422		70	4.7	12.0	156	34.7
M675423		68	3.5	10.3	1810	29.6
M675424		74	5.8	12.2	990	31.7
M675425		60	4.8	8.1	3880	29.3
M675426		73	2.9	14.3	772	36.3
M675427		69	3.4	14.9	133	32.1
M675428		63	9.5	12.7	437	50.5
M675429		64	9.3	11.8	417	49.4
M675430		65	5.5	13.9	86	119.0
M675431		66	4.0	13.5	97	124.5
M675432		73	7.6	15.4	560	78.7
M675433		73	3.4	13.9	200	32.7
M675434		69	2.9	13.0	105	30.6
M675435		57	3.0	12.2	3700	86.3
M675436		46	1.3	7.4	140	95.6
M675437		46	1.3	7.5	130	107.0
M675438		45	1.3	7.5	127	97.9
M675439		57	1.4	9.8	161	173.5
M675440		60	3.1	11.0	2070	34.8
M675441		70	2.0	14.2	584	36.4
M675442		74	3.0	14.0	444	32.6
M675443		68	5.0	14.5	58	32.8
M675444		60	4.4	13.6	3380	31.5
M675445		63	5.7	10.9	2480	29.1
M675446		69	3.7	13.3	1120	32.8
M675447		4	0.1	0.8	24	0.5
M675448		80	2.7	15.4	75	28.3
M675449		73	3.1	14.6	199	39.1
M675450		72	3.4	16.4	55	35.5
M675451		72	3.0	16.2	54	37.2
M675452		62	2.7	12.1	665	30.3
M675453		3	0.1	0.8	16	0.5
M675454		75	3.0	17.2	102	37.2

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: KLAZA

Finalized Date: 9-AUG-2015
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH15112719

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	ME-MS61

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 11-AUG-2015
Account: ROCKHA

CERTIFICATE WH15112737

Project: KLAZA

P.O. No.: BATCH 84

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 29-JUL-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21d	Sample logging - ClientBarCode Dup
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
BAG-06	Double Bagging Coarse Rejects
SPL-21d	Split sample - duplicate
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31d	Pulverize Split - duplicate

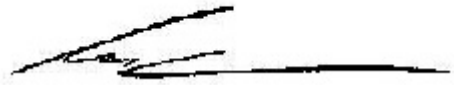
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Zn-OG62	Ore Grade Zn - Four Acid	VARIABLE
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.

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Finalized Date: 11-AUG-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15112737

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
M675455		8.31	0.173	0.20	7.99	11.8	2520	1.33	0.32	1.25	0.96	54.3	6.9	9	14.60	13.9
M675456		2.02	0.097	4.28	7.47	196.5	900	1.60	1.26	1.97	14.25	52.0	6.9	8	14.30	57.2
M675457		2.59	0.510	15.90	6.64	1515	120	1.35	2.58	0.21	127.5	37.1	4.8	8	9.01	166.5
M675458		0.39	0.931	12.60	6.78	1625	810	1.49	12.00	1.92	34.2	46.5	17.5	19	13.15	296
M675459		2.33	0.556	25.6	6.41	322	230	1.57	13.00	0.40	40.7	24.6	15.4	8	4.22	128.5
M675460		2.20	0.349	11.65	6.46	418	450	1.61	4.20	3.32	70.5	53.0	6.8	6	13.60	68.9
M675461		5.05	<0.005	0.05	0.08	0.5	230	0.08	0.06	21.7	0.16	1.12	0.6	1	0.17	3.2
M675462		7.42	0.034	2.75	7.94	147.0	1790	1.42	1.14	1.74	11.50	60.9	5.2	9	10.50	23.2
M675463		9.49	0.042	0.30	7.17	9.6	1250	1.48	1.12	3.41	0.53	57.5	7.0	8	8.73	3.9
M675464		2.66	0.202	3.57	7.23	196.5	1180	1.62	2.30	2.36	4.68	69.8	11.9	8	7.51	4.2
M675465		3.00	0.768	9.22	3.57	696	170	1.17	2.84	2.61	44.1	28.3	7.4	6	11.10	97.6
M675466		5.06	<0.005	0.03	0.06	0.3	70	<0.05	0.04	21.1	0.13	1.09	0.6	1	0.12	2.1
M675467		3.33	<0.005	0.13	7.37	55.2	380	1.90	0.14	1.80	0.32	68.8	6.5	23	23.5	11.5
M675468		3.55	0.040	1.59	4.15	39.4	650	0.72	1.01	1.61	3.83	28.6	15.3	9	6.08	5.7
M675469		6.22	0.351	19.30	3.51	119.5	390	0.70	7.08	1.01	3.61	13.60	57.7	9	15.20	24.1
M675470		10.73	0.086	2.16	4.28	111.5	280	0.83	1.84	1.48	4.81	16.00	38.3	7	8.01	10.5
M675471		<0.02	0.081	2.98	4.25	113.0	280	0.84	1.57	1.48	5.15	16.85	35.7	7	8.41	11.7
M675472		3.78	0.038	2.14	5.42	38.6	470	1.00	1.60	1.65	7.15	34.7	22.2	11	5.83	12.1
M675473		3.73	0.801	16.50	5.57	173.5	200	1.25	11.05	0.58	26.0	112.0	41.3	7	9.48	181.0
M675474		8.07	0.091	5.94	5.30	44.4	600	0.97	3.11	1.63	9.76	115.0	34.0	6	7.58	14.6
M675475		0.33	0.382	5.06	6.67	704	460	1.40	3.28	2.01	10.65	46.9	11.5	23	12.30	312
M675476		5.75	0.025	1.62	6.62	34.1	690	0.96	0.99	2.59	9.72	73.9	12.3	8	6.08	10.1
M675477		8.31	0.033	2.04	2.89	9.3	510	0.52	3.00	1.12	1.26	72.6	15.7	10	3.07	3.3
M675478		8.90	0.029	1.25	2.03	23.0	320	0.47	0.67	0.93	5.87	84.9	7.9	15	1.91	9.0
M675479		8.97	0.428	3.04	2.89	521	350	0.60	1.91	0.58	3.20	18.75	11.9	14	2.48	72.1
M675480		5.99	0.879	16.60	4.29	1320	130	0.81	4.02	0.49	47.8	11.80	15.6	11	4.49	79.0
M675481		4.58	0.978	4.49	5.65	129.0	310	1.01	2.79	1.46	3.38	58.2	17.2	10	4.99	105.0
M675482		2.12	1.735	4.99	5.56	168.0	380	0.94	2.89	1.33	3.99	58.2	17.4	9	4.73	200
M675483		10.89	0.074	1.30	5.62	21.2	670	0.92	1.55	2.19	1.57	48.9	12.6	11	5.40	17.8
M675484		10.92	0.548	3.57	5.53	152.0	350	0.98	1.84	1.09	8.99	70.0	14.3	8	4.82	37.9
M675485		5.56	0.422	5.49	5.42	391	110	0.90	2.12	0.56	17.65	32.6	34.0	8	4.19	24.8
M675486		7.12	1.280	16.00	4.31	1155	120	0.82	3.37	0.52	11.50	28.3	17.5	10	3.42	311
M675487		2.75	0.079	1.69	3.91	28.6	680	0.61	0.81	0.37	1.33	34.0	19.8	9	3.49	6.2
M675488		4.03	3.84	39.1	3.29	606	40	0.64	31.2	0.11	14.70	1.73	1105	4	5.87	231
M675489		3.83	0.312	7.09	4.43	166.0	160	0.84	4.19	0.11	2.19	15.25	315	6	4.59	6.5
M675490		7.24	0.118	2.11	5.15	112.0	170	1.02	2.46	0.44	3.25	23.0	121.0	7	7.38	17.1

***** See Appendix Page for comments regarding this certificate *****

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VANCOUVER BC V6B 1L8

Finalized Date: 11-AUG-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15112737

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
M675455		3.02	17.55	0.18	1.1	0.054	3.01	27.1	41.9	0.50	827	2.38	0.12	8.4	2.2	650
M675456		3.91	16.55	0.16	1.0	0.156	3.47	27.7	12.8	0.74	2040	3.54	0.03	7.0	2.5	560
M675457		4.16	14.65	0.17	0.9	1.410	3.16	17.1	16.2	0.25	300	15.40	0.03	6.5	2.1	480
M675458		6.82	16.30	0.16	1.1	0.766	2.99	24.3	21.2	0.80	1860	9.16	0.13	6.3	12.4	550
M675459		6.04	14.30	0.14	0.8	0.618	3.28	11.8	10.2	0.27	395	10.60	0.03	6.4	2.4	440
M675460		3.62	15.50	0.14	1.0	1.525	3.04	27.7	21.0	0.71	2380	38.6	0.03	6.8	2.5	540
M675461		0.48	0.22	0.10	<0.1	0.007	0.03	0.5	1.2	13.40	205	0.18	<0.01	0.2	1.7	220
M675462		3.23	16.15	0.18	1.1	0.176	3.32	33.1	38.6	0.71	1120	3.11	0.08	7.8	2.1	610
M675463		2.51	16.35	0.16	1.1	0.127	2.25	28.7	21.1	0.71	907	0.36	1.25	7.8	2.0	600
M675464		3.44	16.05	0.17	1.0	0.117	3.17	38.1	22.5	0.78	1720	0.66	0.15	6.7	2.5	570
M675465		3.28	8.54	0.11	0.8	0.294	1.47	13.0	37.1	0.96	4070	59.5	0.03	3.7	2.8	300
M675466		0.47	0.19	0.10	<0.1	0.005	0.02	0.5	1.1	13.10	214	0.23	<0.01	0.1	1.5	170
M675467		2.69	18.35	0.17	4.0	0.035	2.31	35.1	292	0.97	768	0.97	0.04	10.6	6.7	1350
M675468		2.62	8.86	0.15	0.5	0.165	1.85	13.0	22.4	0.56	1650	15.80	0.05	3.2	2.2	300
M675469		4.54	9.15	0.10	0.5	0.166	1.53	6.5	16.5	0.40	836	6.28	0.03	2.5	3.5	220
M675470		4.37	9.39	0.11	0.6	0.187	1.95	7.2	9.4	0.50	1460	17.70	0.04	3.3	3.0	270
M675471		4.27	9.55	0.09	0.6	0.187	1.94	7.4	9.7	0.50	1480	19.15	0.03	3.5	2.6	280
M675472		3.36	13.10	0.14	0.8	0.229	2.70	17.4	5.8	0.61	2120	7.37	0.04	4.5	2.0	440
M675473		5.66	11.20	0.14	0.7	0.647	2.48	69.9	19.2	0.31	758	17.90	0.03	4.6	2.6	260
M675474		3.54	11.60	0.16	0.7	0.335	2.47	69.7	11.5	0.52	1200	7.04	0.04	4.9	2.6	330
M675475		5.01	15.20	0.14	1.0	0.302	2.95	25.5	25.9	0.77	1900	14.95	0.15	5.8	13.9	510
M675476		3.13	14.35	0.15	0.8	0.222	3.13	39.1	6.2	0.85	1930	0.83	0.05	6.2	1.8	490
M675477		2.52	8.02	0.11	0.4	0.116	1.33	45.2	8.0	0.35	800	1.97	0.03	1.9	1.4	190
M675478		1.95	5.40	0.11	0.3	0.165	0.97	54.4	7.0	0.29	992	1.60	0.02	1.8	1.3	140
M675479		2.72	7.20	0.09	0.3	0.190	1.39	9.0	6.3	0.28	897	0.61	0.03	2.4	1.3	200
M675480		5.17	10.30	0.10	0.5	0.569	2.09	3.9	16.6	0.35	1120	15.40	0.03	3.6	2.0	380
M675481		4.48	13.85	0.13	0.7	0.191	2.75	34.3	6.7	0.58	1420	2.56	0.04	4.5	2.4	420
M675482		4.58	13.50	0.12	0.7	0.227	2.71	34.3	6.8	0.55	1260	1.42	0.04	4.7	2.2	440
M675483		3.04	12.65	0.13	0.7	0.126	2.67	30.1	7.7	0.75	1580	1.52	0.05	4.7	2.1	460
M675484		4.58	12.40	0.15	0.7	0.320	2.71	45.4	6.9	0.48	1080	2.13	0.04	4.1	1.8	410
M675485		8.21	10.90	0.14	0.5	0.294	2.67	18.5	7.3	0.38	792	0.58	0.04	3.5	2.5	380
M675486		4.82	9.07	0.12	0.6	0.223	2.11	17.9	12.4	0.32	736	2.34	0.03	3.4	1.5	280
M675487		1.69	5.99	0.12	1.5	0.057	1.77	20.7	13.4	0.20	471	5.32	0.03	1.9	1.2	70
M675488		29.8	6.27	0.15	<0.1	0.735	1.42	0.8	10.6	0.14	122	15.20	0.02	0.3	37.9	130
M675489		14.35	9.60	0.14	0.4	0.196	2.12	6.0	5.1	0.18	103	2.87	0.03	2.9	22.6	210
M675490		7.73	11.80	0.13	0.6	0.254	2.42	10.1	10.0	0.31	469	9.52	0.03	5.0	3.7	250

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 11-AUG-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15112737

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
M675455		32.0	129.0	<0.002	0.15	17.55	11.4	<1	1.9	99.3	0.81	0.08	15.1	0.276	1.55	2.6
M675456		806	204	<0.002	2.26	25.4	9.7	<1	3.7	58.7	0.67	<0.05	11.7	0.235	3.29	5.2
M675457		3550	193.0	<0.002	4.72	35.0	8.2	1	6.1	33.3	0.62	0.50	9.8	0.216	2.62	3.4
M675458		1385	174.5	<0.002	4.82	65.4	9.4	1	8.2	99.6	0.62	1.29	10.2	0.215	2.59	5.0
M675459		1650	208	<0.002	6.43	28.1	7.0	2	7.3	12.1	0.59	6.27	10.1	0.210	2.35	2.0
M675460		1290	170.0	0.002	2.91	45.4	9.5	<1	3.9	97.5	0.63	1.96	10.9	0.222	2.98	16.8
M675461		5.6	1.5	<0.002	0.01	0.16	0.2	<1	<0.2	47.0	<0.05	<0.05	<0.2	<0.005	<0.02	0.6
M675462		705	176.0	<0.002	1.32	11.65	10.5	<1	3.9	88.1	0.72	0.14	12.7	0.262	2.39	4.5
M675463		40.1	109.0	<0.002	0.53	4.15	10.3	1	2.6	151.0	0.77	0.49	12.1	0.252	1.90	7.0
M675464		403	178.0	<0.002	2.18	7.83	9.8	1	3.0	62.0	0.64	0.85	13.6	0.222	2.65	6.8
M675465		1735	89.7	0.003	2.67	115.5	4.5	<1	3.1	121.0	0.33	0.32	4.8	0.125	1.50	19.3
M675466		5.1	1.0	<0.002	0.01	0.23	0.1	<1	<0.2	44.9	<0.05	<0.05	<0.2	<0.005	<0.02	0.6
M675467		14.4	85.9	<0.002	0.05	14.45	6.2	<1	1.6	709	0.76	<0.05	7.9	0.357	1.29	5.7
M675468		215	112.5	<0.002	1.92	21.0	4.9	<1	1.9	40.6	0.34	0.35	6.3	0.108	1.75	2.0
M675469		300	98.5	<0.002	4.24	19.05	3.9	<1	1.3	27.2	0.26	9.11	5.3	0.087	1.47	1.7
M675470		218	124.5	0.007	3.74	10.45	5.5	1	2.4	25.4	0.33	0.87	7.0	0.125	1.62	1.6
M675471		227	125.5	0.009	3.61	11.20	5.5	1	2.4	27.0	0.35	1.13	7.0	0.126	1.55	1.6
M675472		415	172.5	0.004	2.18	4.70	7.8	1	2.7	29.2	0.46	0.62	9.8	0.158	1.98	1.9
M675473		1515	159.0	0.005	5.66	61.3	4.2	1	5.1	52.6	0.48	4.91	9.2	0.165	2.13	3.4
M675474		735	159.5	0.004	2.70	8.18	6.5	1	3.7	57.6	0.50	2.07	10.4	0.151	2.00	1.9
M675475		476	161.5	0.004	2.67	25.9	8.8	1	5.3	105.5	0.57	0.33	9.6	0.209	2.37	4.6
M675476		484	204	<0.002	1.63	4.82	8.9	1	4.5	39.3	0.62	0.33	10.9	0.199	2.76	2.0
M675477		163.0	87.8	<0.002	2.31	4.91	3.2	<1	1.2	44.4	0.21	1.76	5.1	0.063	1.14	2.0
M675478		425	63.9	<0.002	1.42	5.23	2.4	<1	1.3	34.3	0.17	0.24	4.0	0.055	0.75	1.2
M675479		303	89.7	<0.002	2.10	21.8	4.0	<1	1.6	12.0	0.22	0.21	4.5	0.082	1.05	0.9
M675480		3860	142.0	0.002	5.07	40.3	5.9	1	2.9	130.0	0.30	0.53	4.1	0.123	1.78	1.5
M675481		312	175.0	<0.002	4.16	19.85	7.3	<1	4.7	22.0	0.43	0.87	8.6	0.147	2.27	1.9
M675482		295	179.0	<0.002	4.30	50.6	7.4	<1	5.2	19.4	0.43	0.64	8.8	0.152	2.12	2.0
M675483		84.2	163.0	<0.002	2.09	7.74	7.7	<1	2.6	36.8	0.45	0.54	9.3	0.155	2.48	2.9
M675484		739	177.5	0.002	4.38	13.70	6.6	1	4.3	21.7	0.34	0.55	10.7	0.134	1.98	1.7
M675485		662	186.5	<0.002	8.60	17.05	5.4	1	6.0	14.2	0.27	0.48	8.6	0.123	1.88	1.1
M675486		796	146.0	0.003	4.92	83.3	4.1	<1	3.9	41.5	0.28	1.19	6.2	0.096	1.55	1.1
M675487		66.3	97.2	0.002	1.57	10.90	1.1	1	0.8	20.7	0.58	0.71	22.5	0.021	1.36	2.1
M675488		1020	92.5	0.014	>10.0	128.0	0.3	8	5.0	13.0	<0.05	5.67	0.5	0.008	1.32	0.4
M675489		218	141.5	0.007	>10.0	8.18	2.8	5	4.2	12.9	0.25	3.56	5.2	0.093	1.45	0.9
M675490		116.5	164.5	0.018	8.03	7.74	4.3	1	5.6	19.2	0.43	1.15	7.7	0.158	1.65	1.2

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 11-AUG-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15112737

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Zn-OG62
	Analyte	V	W	Y	Zn	Zr	Zn
	Units	ppm	ppm	ppm	ppm	ppm	%
	LOR	1	0.1	0.1	2	0.5	0.001
M675455		75	3.2	16.8	109	32.0	
M675456		65	4.0	12.7	1200	29.6	
M675457		55	5.4	8.7	>10000	25.9	1.250
M675458		66	5.9	11.4	2500	29.8	
M675459		44	4.0	8.7	4180	24.1	
M675460		62	5.2	15.8	7380	28.9	
M675461		3	0.1	0.8	33	<0.5	
M675462		70	5.1	13.4	1170	31.8	
M675463		67	1.7	14.0	90	31.7	
M675464		63	1.9	13.4	367	30.1	
M675465		36	2.7	8.1	3290	31.5	
M675466		2	<0.1	0.8	22	<0.5	
M675467		66	2.6	11.7	95	174.5	
M675468		35	2.0	6.8	371	16.1	
M675469		47	2.3	4.6	344	13.3	
M675470		48	2.8	5.3	469	16.8	
M675471		47	2.8	5.3	494	18.1	
M675472		56	3.4	8.3	789	20.3	
M675473		42	5.4	7.6	2830	20.9	
M675474		41	5.3	9.3	1060	18.0	
M675475		66	5.0	11.0	883	28.5	
M675476		49	2.8	12.2	988	21.7	
M675477		40	1.2	5.9	120	10.5	
M675478		29	2.1	3.5	602	8.0	
M675479		35	2.2	4.0	311	10.7	
M675480		40	3.2	5.8	3420	14.2	
M675481		58	2.9	7.5	294	18.4	
M675482		57	3.1	7.4	332	18.7	
M675483		47	2.3	9.8	188	20.8	
M675484		43	2.9	8.7	761	21.6	
M675485		35	3.6	5.2	1170	15.5	
M675486		28	3.2	3.9	820	17.1	
M675487		12	0.8	3.9	94	39.8	
M675488		8	2.9	1.1	1000	1.1	
M675489		30	4.2	6.0	128	10.5	
M675490		50	5.3	9.6	212	16.5	

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: KLAZA

Finalized Date: 11-AUG-2015
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH15112737

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

Applies to Method:				
	BAG-06	CRU-31	CRU-QC	LOG-21
	LOG-21d	LOG-23	PUL-31	PUL-31d
	PUL-QC	SPL-21	SPL-21d	WEI-21

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:				
	Au-AA24	ME-MS61	ME-OG62	Zn-OG62

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 15-AUG-2015
Account: ROCKHA

CERTIFICATE WH15115547

Project: KLAZA

P.O. No.: BATCH 85

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 2-AUG-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21d	Sample logging - ClientBarCode Dup
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
BAG-06	Double Bagging Coarse Rejects
SPL-21d	Split sample - duplicate
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31d	Pulverize Split - duplicate

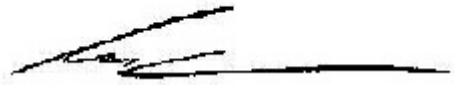
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 15-AUG-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15115547

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
M675491		4.59	0.205	2.85	6.55	122.0	90	1.74	3.40	0.53	1.96	43.9	95.1	11	24.8	16.4
M675492		2.27	0.018	0.20	7.56	6.8	360	1.69	0.77	2.56	0.09	52.7	9.6	10	9.99	3.6
M675493		9.03	0.017	1.24	7.88	9.9	470	1.54	0.86	2.65	2.41	54.5	8.2	11	15.20	7.7
M675494		4.25	0.020	5.22	7.42	14.9	150	1.48	0.78	2.32	3.83	46.5	7.8	9	10.55	6.8
M675495		1.91	0.008	0.81	7.78	9.9	460	1.36	0.79	2.22	0.66	50.2	8.0	9	10.35	3.8
M675496		4.79	0.290	2.04	6.53	858	260	1.28	1.36	1.65	4.26	53.2	13.2	11	8.62	3.9
M675497		4.28	0.172	5.32	3.50	226	60	0.69	4.22	1.65	4.56	23.6	380	7	6.67	13.4
M675498		2.52	<0.005	0.04	0.08	2.6	30	0.06	0.05	21.7	0.08	1.43	3.3	3	0.17	2.2
M675499		8.64	0.019	0.71	4.99	32.2	310	0.91	0.89	0.89	1.45	74.2	17.4	9	8.98	6.2
M675500		4.39	0.027	0.94	7.47	49.4	450	1.53	1.60	1.75	1.42	107.0	32.2	8	21.0	17.1
M675501		5.34	0.021	0.25	6.09	11.8	480	1.18	0.80	4.76	0.14	55.4	8.7	10	8.89	5.9
M675502		2.39	0.013	0.61	6.21	34.2	410	1.68	1.38	4.66	0.95	55.0	24.3	7	15.00	15.8
M675503		9.21	0.007	1.01	6.88	10.7	320	1.16	1.00	3.73	0.15	41.5	13.9	9	9.03	5.0
M675504		10.67	0.034	0.99	7.01	24.1	110	1.37	1.72	2.74	5.67	40.6	9.4	10	7.49	6.1
M675505		10.50	<0.005	0.14	6.82	11.1	320	1.36	1.02	3.52	0.17	35.2	10.5	10	8.33	2.8
M675506		<0.02	0.007	0.21	6.67	12.3	260	1.40	1.13	3.53	0.48	34.2	12.5	11	8.22	4.2
M675507		4.01	0.007	0.12	6.18	13.6	220	1.23	1.19	3.82	0.16	38.7	10.5	11	10.15	4.1
M675508		5.30	<0.005	0.26	7.16	15.2	1070	1.38	0.94	3.12	0.20	43.7	8.2	8	16.50	10.6
M675509		3.94	0.005	0.17	7.16	13.3	370	1.37	0.76	5.11	0.27	46.5	10.9	7	18.25	16.5
M675510		0.34	0.354	4.48	6.95	734	270	1.31	3.30	2.08	10.60	50.2	12.6	24	13.45	318
M675511		2.32	0.021	1.03	6.62	43.8	710	2.07	0.79	3.16	5.84	75.0	8.8	6	39.0	21.2
M675512		3.17	0.005	0.15	6.24	10.0	1010	1.22	0.58	4.07	0.31	49.0	7.6	8	12.65	10.6
M675513		5.62	0.007	0.12	6.22	8.5	1310	1.14	0.61	4.50	0.24	51.0	6.7	8	9.15	5.7
M675514		5.88	0.006	0.14	7.32	10.7	1520	1.46	0.72	3.52	0.35	43.4	6.7	9	25.5	10.1
M675515		5.57	0.040	0.19	7.85	9.5	2090	1.30	0.53	3.04	0.44	47.7	7.0	8	13.95	17.6
M675516		4.10	0.006	0.19	7.95	9.6	2100	1.42	0.41	2.62	0.51	45.8	8.2	9	15.55	32.4
M675517		4.41	0.026	0.65	5.51	27.6	240	1.16	0.66	3.07	1.26	40.7	10.6	8	17.30	20.2
M675518		0.30	0.884	11.75	6.74	1560	490	1.26	13.10	1.86	31.8	46.5	17.6	18	13.35	285
M675519		2.66	0.273	6.40	5.53	60.2	120	1.18	3.77	3.23	2.65	37.4	20.1	5	23.0	43.1
M675520		5.28	<0.005	0.03	0.07	<0.2	20	0.05	0.03	20.1	0.08	1.24	0.6	1	0.22	1.2
M675521		2.88	0.053	1.07	4.56	22.7	320	1.14	0.77	2.00	0.31	34.2	7.9	6	16.30	15.5
M675522		2.78	0.006	0.20	6.54	9.0	700	1.05	0.56	2.38	0.11	53.4	9.1	6	19.05	39.0
M675523		3.50	<0.005	0.32	6.78	7.9	820	1.03	0.74	3.68	0.09	58.4	21.7	9	9.10	2.8
M675524		8.53	0.048	0.31	5.13	10.1	410	0.82	1.37	2.19	0.12	134.5	15.9	9	5.41	4.5
M675525		5.80	0.040	0.91	4.19	81.1	330	0.77	0.95	1.62	0.62	75.1	15.1	19	3.82	4.8
M675526		5.78	0.009	0.47	5.52	21.9	430	0.88	0.80	1.80	0.34	36.1	15.5	14	5.38	3.4

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 15-AUG-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15115547

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
M675491		6.09	14.95	0.11	1.1	0.273	2.59	24.4	27.2	0.35	266	4.55	0.05	5.0	5.0	330
M675492		2.70	17.10	0.11	1.5	0.073	2.91	28.4	56.3	0.81	763	0.36	0.07	7.2	2.5	510
M675493		3.09	17.65	0.12	1.3	0.092	3.23	27.8	57.2	0.99	1020	0.80	0.05	7.0	2.8	620
M675494		3.44	16.75	0.11	1.1	0.079	3.51	24.6	21.1	1.05	1790	1.38	0.03	5.8	2.5	560
M675495		3.42	16.65	0.11	1.1	0.060	3.68	27.4	16.7	1.04	1600	0.59	0.04	5.7	2.6	560
M675496		3.18	16.95	0.11	1.0	0.124	2.80	30.3	23.1	0.67	1280	1.27	0.04	6.2	2.5	510
M675497		8.19	8.52	0.07	0.8	0.158	1.33	13.9	20.0	0.23	684	7.75	0.02	2.3	6.4	230
M675498		0.55	0.25	0.07	<0.1	<0.005	0.03	0.7	1.1	13.40	215	0.38	<0.01	0.1	2.9	190
M675499		2.32	14.25	0.09	0.8	0.104	1.99	47.0	21.8	0.39	574	1.97	0.03	5.1	1.8	350
M675500		3.68	18.60	0.10	1.4	0.124	2.88	65.9	43.2	0.60	690	1.86	0.05	6.1	2.9	490
M675501		2.20	13.55	0.11	1.0	0.062	2.27	29.9	29.6	0.69	1060	0.41	0.04	6.5	2.3	480
M675502		2.87	14.30	0.10	1.2	0.052	1.78	30.0	46.1	0.41	1160	1.75	0.03	6.8	2.7	510
M675503		2.86	15.35	0.10	1.1	0.052	3.01	22.1	12.9	0.66	866	1.04	0.14	6.0	2.3	520
M675504		4.38	16.65	0.10	1.1	0.093	3.06	18.5	16.2	0.71	991	0.68	0.43	6.2	2.7	570
M675505		3.24	17.20	0.10	1.1	0.062	2.68	15.6	8.5	0.68	595	0.35	0.99	6.8	2.5	580
M675506		3.40	16.90	0.10	1.1	0.090	2.63	15.3	9.6	0.65	628	0.35	0.87	6.5	3.0	570
M675507		2.93	15.10	0.09	0.8	0.052	1.97	20.4	33.2	0.58	775	0.57	0.61	5.4	2.4	460
M675508		2.96	17.10	0.09	1.2	0.067	2.49	21.6	32.2	0.67	688	0.24	0.87	7.3	2.6	560
M675509		3.61	15.00	0.10	0.9	0.043	2.13	24.8	36.9	1.00	707	0.43	1.21	6.8	2.4	530
M675510		5.16	16.00	0.11	1.1	0.306	3.10	27.7	25.0	0.80	1900	14.30	0.15	6.4	13.7	530
M675511		2.84	16.55	0.12	1.3	0.088	1.84	43.6	138.5	0.43	663	0.44	0.04	8.0	2.1	550
M675512		2.09	14.90	0.09	0.9	0.054	1.78	25.0	82.4	0.32	746	0.25	0.27	8.3	2.5	560
M675513		2.25	14.50	0.09	0.8	0.069	1.65	27.5	94.4	0.43	768	0.20	0.16	7.5	1.9	540
M675514		3.55	18.35	0.08	0.9	0.159	0.96	23.8	57.2	0.62	723	0.35	0.69	8.0	2.0	550
M675515		3.01	18.20	0.10	1.2	0.062	2.61	23.1	42.7	0.63	726	2.49	0.29	8.8	2.4	640
M675516		2.87	18.40	0.11	1.3	0.048	2.51	21.8	81.7	0.58	690	1.09	0.08	9.5	2.5	650
M675517		2.42	11.35	0.09	0.7	0.082	1.51	21.8	74.5	1.10	986	11.10	0.02	5.3	2.1	450
M675518		6.65	15.35	0.10	1.1	0.785	2.94	23.9	17.1	0.78	1790	8.33	0.13	6.4	11.1	530
M675519		3.39	10.15	0.08	0.8	0.150	0.82	20.0	213	1.07	793	19.65	0.02	5.7	2.2	500
M675520		0.47	0.21	<0.05	<0.1	0.005	0.02	0.6	1.5	12.45	220	0.11	<0.01	0.1	1.4	160
M675521		1.93	9.75	0.08	0.6	0.033	1.17	18.6	59.5	0.47	459	23.4	0.02	4.6	2.4	370
M675522		2.33	13.40	0.09	1.2	0.048	2.43	30.1	33.6	0.55	855	0.33	0.05	5.4	1.8	350
M675523		2.70	16.45	0.11	0.9	0.104	3.08	31.5	6.6	0.56	1220	0.20	0.15	5.9	2.5	510
M675524		2.09	14.95	0.11	0.6	0.133	2.28	95.0	9.4	0.56	854	0.96	0.06	4.2	2.0	350
M675525		3.42	12.65	0.10	0.5	0.124	2.01	49.4	12.6	0.56	954	5.93	0.04	3.1	3.3	240
M675526		2.95	15.30	0.09	0.7	0.090	2.69	21.2	9.1	0.68	1040	4.71	0.04	4.8	2.4	350

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 15-AUG-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15115547

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
M675491		117.5	153.5	0.003	6.06	14.20	7.0	2	5.7	44.2	0.56	0.97	13.5	0.148	2.21	4.6
M675492		10.2	136.5	<0.002	2.14	5.58	9.9	1	2.9	100.0	0.76	0.27	17.6	0.188	2.46	5.0
M675493		82.5	154.5	<0.002	2.40	6.83	12.1	1	2.8	114.5	0.64	0.31	15.5	0.219	2.73	4.8
M675494		202	176.5	<0.002	2.82	7.65	10.6	1	2.5	115.0	0.54	0.26	13.6	0.187	3.08	5.1
M675495		29.3	186.0	<0.002	2.82	4.98	10.5	1	2.4	118.0	0.53	0.23	14.2	0.187	3.12	4.6
M675496		143.5	172.0	<0.002	2.73	10.45	9.4	1	3.2	96.9	0.57	0.36	13.1	0.182	2.54	3.3
M675497		193.5	81.0	0.004	8.83	20.4	2.2	2	1.8	100.0	0.38	1.60	12.3	0.049	1.59	1.8
M675498		2.7	1.6	<0.002	0.04	0.22	0.2	<1	<0.2	43.8	<0.05	<0.05	0.2	<0.005	0.03	0.7
M675499		59.0	130.5	<0.002	2.01	6.52	6.3	<1	3.1	136.0	0.50	0.23	11.7	0.143	1.79	3.6
M675500		57.6	156.5	<0.002	3.54	8.73	8.5	1	5.1	243	0.69	0.54	17.6	0.182	2.70	7.6
M675501		10.6	133.0	<0.002	1.43	4.41	8.8	1	3.5	173.0	0.60	0.21	13.7	0.205	2.20	3.9
M675502		91.3	85.9	<0.002	2.71	9.56	8.7	1	4.5	299	0.64	0.56	12.3	0.210	1.79	11.0
M675503		13.9	178.0	<0.002	2.59	4.72	9.5	1	2.7	116.5	0.56	0.36	14.0	0.187	2.87	6.3
M675504		306	154.5	<0.002	4.07	4.45	10.0	1	4.1	150.5	0.56	0.29	11.6	0.201	2.51	4.5
M675505		8.5	127.0	<0.002	2.71	2.76	10.4	1	3.4	200	0.59	0.32	10.5	0.219	2.57	4.6
M675506		15.3	125.0	<0.002	3.02	3.14	10.3	1	3.3	187.5	0.58	0.35	9.9	0.210	2.53	4.4
M675507		10.8	121.0	<0.002	2.31	5.22	8.8	1	2.6	248	0.45	0.37	10.8	0.177	1.95	5.7
M675508		17.2	99.8	<0.002	1.99	7.01	10.4	1	3.5	187.0	0.65	0.26	12.7	0.229	1.94	3.8
M675509		24.6	79.2	<0.002	2.30	8.54	10.1	1	2.0	307	0.54	0.29	13.2	0.225	1.20	4.6
M675510		489	158.5	0.003	2.74	29.8	9.8	1	5.6	111.5	0.51	0.29	11.7	0.208	2.53	5.2
M675511		239	96.8	<0.002	2.06	17.15	12.1	1	3.5	244	0.64	0.20	19.0	0.236	1.45	6.8
M675512		19.7	106.5	<0.002	1.08	13.40	10.9	1	2.4	209	0.64	0.24	13.6	0.255	1.41	2.2
M675513		18.8	89.6	<0.002	1.17	10.95	10.4	1	2.6	229	0.55	0.21	11.7	0.234	1.45	2.5
M675514		24.1	52.9	<0.002	0.87	12.25	10.3	1	2.9	231	0.62	0.23	13.4	0.237	0.74	3.2
M675515		38.8	85.4	<0.002	1.19	7.84	11.6	1	2.1	181.5	0.68	0.38	14.5	0.270	1.44	3.2
M675516		41.4	78.2	<0.002	1.20	12.85	12.3	1	3.4	198.0	0.78	0.33	13.8	0.274	1.36	4.9
M675517		63.6	88.3	0.002	0.95	34.9	7.3	<1	3.5	214	0.43	0.12	10.2	0.168	1.34	7.7
M675518		1310	163.0	<0.002	4.65	63.7	9.7	1	7.8	97.1	0.53	1.27	11.4	0.208	2.60	5.4
M675519		195.5	46.6	0.002	2.32	49.9	7.3	1	4.1	317	0.46	1.59	10.0	0.184	0.80	7.8
M675520		2.5	1.2	<0.002	<0.01	0.17	0.2	<1	<0.2	49.4	<0.05	<0.05	<0.2	<0.005	<0.02	0.5
M675521		104.5	56.8	0.006	1.04	77.0	5.8	1	2.1	174.0	0.35	0.47	8.9	0.144	1.20	45.9
M675522		7.9	129.0	<0.002	1.36	11.70	6.6	1	5.3	120.0	0.66	0.21	17.2	0.131	2.01	3.3
M675523		6.1	169.5	<0.002	2.11	3.62	9.2	1	2.5	120.5	0.51	0.26	14.8	0.183	3.05	5.4
M675524		7.7	147.5	<0.002	1.27	6.97	6.2	1	2.7	82.8	0.37	0.69	9.4	0.131	1.96	2.3
M675525		44.7	124.0	<0.002	2.78	15.40	4.9	1	3.4	50.0	0.25	0.17	6.1	0.092	1.46	3.2
M675526		25.9	176.0	<0.002	2.10	12.00	6.5	1	2.3	48.5	0.41	0.23	9.2	0.143	2.11	3.8

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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 15-AUG-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15115547

Sample Description	Method Analyte Units LOR	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
M675491		60	5.2	9.2	147	27.7
M675492		56	2.0	13.5	26	40.3
M675493		66	2.8	15.7	167	37.1
M675494		62	2.7	13.3	269	31.2
M675495		60	2.4	14.3	78	31.4
M675496		62	3.4	13.0	315	28.8
M675497		28	2.8	5.7	254	18.3
M675498		1	0.1	0.9	15	<0.5
M675499		58	3.4	8.3	99	21.2
M675500		71	3.3	11.7	118	34.1
M675501		51	1.8	22.2	34	27.9
M675502		57	4.1	17.4	137	31.9
M675503		55	1.8	13.9	29	29.8
M675504		61	2.3	12.8	398	31.5
M675505		63	1.4	12.6	40	29.9
M675506		62	1.5	12.2	59	29.8
M675507		52	1.5	13.6	40	22.5
M675508		65	2.0	13.4	49	31.9
M675509		64	1.8	17.1	69	26.0
M675510		67	5.6	12.2	891	28.0
M675511		66	3.8	20.3	415	32.1
M675512		59	1.9	15.5	60	24.5
M675513		61	2.4	17.4	57	20.0
M675514		89	2.8	14.8	77	23.9
M675515		69	2.8	15.8	85	32.4
M675516		70	2.8	15.1	105	36.9
M675517		53	3.1	12.8	169	20.5
M675518		62	5.8	12.0	2410	26.9
M675519		49	6.2	12.1	297	21.9
M675520		1	0.1	0.8	19	<0.5
M675521		43	3.5	10.6	51	20.6
M675522		43	1.8	11.1	26	29.7
M675523		64	1.8	14.1	29	22.0
M675524		68	1.8	11.5	27	24.4
M675525		62	3.5	10.4	67	10.4
M675526		66	3.0	11.8	49	16.3

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: KLAZA

Finalized Date: 15-AUG-2015
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH15115547

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	ME-MS61

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 11-AUG-2015
Account: ROCKHA

CERTIFICATE WH15115548

Project: KLAZA

P.O. No.: BATCH 86

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 2-AUG-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21d	Sample logging - ClientBarCode Dup
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
BAG-06	Double Bagging Coarse Rejects
SPL-21d	Split sample - duplicate
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31d	Pulverize Split - duplicate

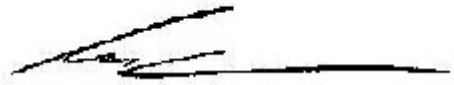
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 11-AUG-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15115548

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
R610995		10.87	<0.005	0.06	7.39	29.2	1110	1.20	0.11	2.06	0.24	47.8	9.1	9	28.4	6.9
R610996		<0.02	<0.005	0.03	6.90	9.2	960	1.15	0.08	1.77	0.16	43.5	7.7	8	23.4	6.5
R610997		7.15	<0.005	0.20	6.43	28.2	410	1.31	0.05	1.68	0.38	41.3	6.7	8	19.20	13.1
R610998		5.54	0.038	0.36	6.47	76.0	480	1.12	0.04	2.46	0.29	42.2	7.4	9	15.05	19.8
R610999		6.19	0.101	1.12	4.18	185.0	480	0.95	0.09	5.76	0.44	31.3	5.5	6	12.15	12.9
R611000		4.99	<0.005	0.02	0.08	0.5	20	<0.05	0.02	20.5	0.05	1.19	0.6	1	0.21	2.2
K289401		8.85	<0.005	0.10	6.96	10.6	1180	0.98	0.12	2.42	0.12	41.8	7.4	10	29.8	10.8
K289402		2.05	<0.005	0.14	6.86	24.4	740	0.86	0.10	2.59	0.14	43.9	7.8	8	21.5	8.6
K289403		9.18	<0.005	0.05	7.03	4.9	2120	1.41	0.04	2.39	0.08	41.9	8.9	10	17.90	8.9
K289404		3.02	0.545	0.26	6.88	50.8	1180	1.20	0.29	2.12	0.26	50.2	8.6	9	13.90	4.4
K289405		3.62	<0.005	0.05	6.83	5.7	1880	1.29	0.08	2.78	0.10	40.5	7.8	9	18.15	9.9
K289406		1.30	0.481	4.40	6.27	258	2650	1.03	0.30	4.26	1.45	47.1	8.1	6	15.15	14.0
K289407		2.69	<0.005	0.24	7.07	16.0	2400	1.35	0.09	3.08	1.09	42.0	8.8	8	11.95	12.2
K289408		0.32	0.856	13.20	6.73	1620	170	1.37	12.50	1.92	33.9	47.6	17.7	21	14.05	299
K289409		3.30	0.006	0.47	7.34	52.3	2000	1.26	0.23	2.23	1.95	44.9	8.1	9	15.45	17.6
K289410		1.20	0.141	18.00	6.17	237	2410	1.15	0.50	3.78	4.49	45.1	8.8	6	13.20	27.8
K289411		3.25	0.015	0.37	7.06	56.5	1880	1.29	0.35	2.05	0.95	44.1	8.0	9	15.60	12.9
K289412		4.76	<0.005	0.14	7.29	9.4	2040	1.56	0.19	2.91	0.13	48.4	8.8	9	15.60	12.0
K289413		2.57	0.012	0.76	6.52	85.8	2840	1.43	0.17	3.76	4.41	42.4	7.9	8	20.7	15.6
K289414		3.81	<0.005	0.19	7.21	18.2	1840	1.45	0.10	2.35	0.21	42.5	7.8	9	15.10	10.8
K289415		0.72	0.043	1.27	6.22	386	1100	1.57	0.20	2.89	2.03	42.0	9.5	7	19.85	14.1
K289416		7.33	<0.005	0.07	7.00	4.8	2040	1.46	0.14	2.49	0.09	45.8	8.2	10	10.30	9.1
K289417		7.35	<0.005	0.07	6.63	4.7	2020	1.35	0.07	3.83	0.12	43.5	8.0	10	10.80	8.4
K289418		0.34	0.382	4.89	6.78	717	550	1.45	3.62	2.06	10.75	51.6	12.4	27	13.50	320
K289419		1.75	0.038	0.72	6.63	220	1150	1.46	0.10	2.48	1.51	43.0	8.3	8	16.95	20.2
K289420		0.96	0.064	19.50	4.65	371	580	0.85	0.15	6.47	28.1	42.8	8.0	5	9.20	152.0
K289421		3.56	<0.005	0.29	6.64	55.1	1480	1.34	0.06	2.59	0.75	42.1	8.0	8	16.25	15.7
K289422		1.45	<0.005	0.55	6.92	70.6	1620	1.30	0.09	2.74	2.58	44.0	8.0	7	15.90	21.1
K289423		0.74	0.051	4.78	6.52	540	480	1.25	0.11	3.27	48.6	51.0	7.1	7	12.60	34.4
K289424		4.40	0.029	1.56	6.44	87.1	1550	1.41	1.13	2.69	7.29	43.5	7.8	7	17.35	44.5
K289425		3.44	<0.005	0.22	6.67	7.6	2240	1.52	0.28	3.47	0.25	41.7	7.3	8	16.35	17.0
K289426		3.35	0.041	1.03	6.46	240	1090	1.34	0.13	3.42	8.32	44.0	7.5	7	16.90	16.1
K289427		0.95	0.946	11.10	3.19	2630	160	0.63	6.45	7.11	18.15	30.1	16.7	3	6.31	69.6
K289428		4.90	<0.005	0.01	0.06	0.8	30	<0.05	0.02	20.5	0.07	1.22	0.6	1	0.19	2.3
K289429		7.40	<0.005	0.24	6.77	6.6	1980	1.18	0.21	3.01	0.41	46.8	6.5	9	14.50	10.0
K289430		7.16	<0.005	0.07	7.05	3.3	1980	1.27	0.05	2.65	0.08	45.0	7.4	11	11.85	8.2

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Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
R610995		3.22	18.20	0.11	1.4	0.045	1.77	23.5	53.6	0.73	966	0.97	0.05	9.0	3.3	680
R610996		2.88	15.60	0.17	1.2	0.031	1.59	21.2	41.8	0.63	892	0.88	0.05	7.7	2.6	620
R610997		2.53	14.55	0.15	1.1	0.031	1.65	20.5	219	0.60	942	1.25	0.04	7.0	2.3	590
R610998		2.51	15.25	0.16	1.1	0.033	2.18	20.7	510	0.77	874	0.66	0.03	7.3	2.5	610
R610999		3.09	9.19	0.12	0.7	0.034	1.56	16.3	160.0	2.05	1830	1.43	0.03	4.2	2.1	330
R611000		0.45	0.25	0.13	<0.1	<0.005	0.03	0.6	2.6	12.80	194	0.08	<0.01	0.2	1.5	170
K289401		2.99	15.80	0.17	1.1	0.042	2.13	19.5	87.7	0.85	819	0.44	0.07	7.6	2.2	650
K289402		2.27	15.75	0.19	1.1	0.033	2.42	21.6	130.0	0.83	731	0.34	0.05	7.4	2.3	630
K289403		3.77	15.95	0.18	1.3	0.034	2.45	18.7	36.4	0.86	542	0.73	1.45	7.8	2.8	650
K289404		4.56	15.10	0.17	1.1	0.146	3.21	27.8	49.3	0.88	2460	0.72	0.08	6.7	2.8	540
K289405		3.17	15.55	0.19	1.1	0.033	2.43	18.8	22.5	0.78	677	3.23	0.94	7.9	2.5	650
K289406		3.94	13.65	0.13	0.8	0.108	2.78	26.0	30.2	1.12	7630	5.52	0.16	6.2	2.0	550
K289407		3.28	16.65	0.17	1.1	0.058	2.62	18.9	23.3	0.87	1080	12.65	0.85	8.4	2.6	650
K289408		6.92	15.80	0.14	1.1	0.814	3.03	24.8	17.8	0.79	1900	8.90	0.13	6.7	12.6	560
K289409		3.41	16.90	0.18	1.1	0.075	3.19	22.0	33.1	0.88	2100	2.35	0.21	8.2	2.7	660
K289410		4.26	13.65	0.15	0.8	0.090	3.10	24.8	43.7	1.35	4210	14.00	0.08	6.2	2.4	500
K289411		3.50	16.15	0.16	1.1	0.064	2.80	22.2	39.5	0.78	1630	2.14	0.18	7.5	2.6	610
K289412		3.13	17.30	0.22	1.2	0.039	2.65	23.7	26.9	0.83	719	1.43	1.90	8.3	2.7	650
K289413		3.29	15.55	0.18	1.1	0.079	3.00	21.1	24.4	0.92	2130	1.00	0.63	7.5	2.5	610
K289414		3.20	16.10	0.20	1.1	0.052	2.89	20.9	19.4	0.82	1240	1.12	1.28	7.9	2.7	640
K289415		2.84	16.00	0.20	1.0	0.080	3.36	21.0	34.2	0.78	3340	1.53	0.14	7.4	2.9	560
K289416		3.10	16.60	0.20	1.2	0.040	2.60	21.8	21.7	0.91	675	1.06	1.92	8.0	2.7	670
K289417		3.03	15.90	0.20	1.1	0.029	2.41	21.2	18.9	0.87	941	1.22	1.71	7.6	2.6	590
K289418		5.15	15.65	0.15	1.1	0.309	3.03	29.4	26.7	0.79	1920	15.00	0.15	6.3	14.8	530
K289419		3.47	16.00	0.14	1.0	0.119	3.27	21.2	34.2	0.76	3280	0.68	0.35	7.4	2.6	590
K289420		5.52	10.35	0.14	0.7	0.294	2.16	24.1	18.1	2.06	6370	0.86	0.02	4.7	2.4	380
K289421		2.99	15.90	0.16	1.1	0.041	2.76	20.1	29.4	0.75	1540	0.87	0.63	7.6	2.5	620
K289422		3.06	17.10	0.18	1.0	0.051	2.70	20.8	37.5	0.72	1620	0.98	0.74	7.9	2.6	630
K289423		3.78	14.25	0.15	1.0	0.210	3.04	28.5	13.6	0.99	5750	0.84	0.03	6.4	2.9	520
K289424		3.02	15.40	0.17	1.1	0.132	3.30	21.4	27.7	0.69	2370	2.15	0.37	7.4	2.3	600
K289425		3.04	16.70	0.18	1.1	0.050	2.57	19.5	59.4	0.81	890	3.28	0.65	8.0	2.4	630
K289426		3.19	14.80	0.18	0.9	0.080	2.99	22.6	34.0	0.95	3050	1.99	0.12	7.0	2.5	560
K289427		8.46	7.90	0.11	0.4	0.419	1.55	16.7	11.4	1.26	9310	1.35	0.02	3.0	1.8	250
K289428		0.45	0.20	0.12	<0.1	<0.005	0.02	0.6	0.9	12.70	201	0.08	<0.01	0.2	1.5	190
K289429		2.95	14.55	0.16	1.1	0.037	2.57	22.8	22.9	0.85	878	12.85	0.62	7.8	2.2	600
K289430		3.06	15.35	0.16	1.1	0.035	2.46	22.1	11.5	0.82	625	1.64	1.85	7.8	2.6	620

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	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
R610995		13.1	63.2	<0.002	0.05	18.95	13.0	1	1.8	117.0	0.74	<0.05	14.0	0.295	1.11	2.9
R610996		10.0	53.7	<0.002	0.04	16.50	11.3	1	1.6	102.5	0.64	<0.05	12.2	0.271	1.01	2.6
R610997		9.5	61.3	<0.002	0.13	34.5	10.7	1	1.5	140.0	0.58	<0.05	11.0	0.250	1.67	3.6
R610998		13.8	70.0	<0.002	0.17	22.4	11.1	1	1.7	163.0	0.55	<0.05	11.5	0.262	2.27	3.5
R610999		18.9	83.4	<0.002	0.22	34.4	6.8	1	1.1	131.0	0.37	<0.05	7.9	0.151	1.63	9.8
R611000		1.5	1.3	<0.002	<0.01	0.14	0.2	<1	<0.2	43.7	<0.05	<0.05	<0.2	<0.005	0.02	0.8
K289401		13.6	68.3	<0.002	0.05	13.20	10.6	1	1.7	190.5	0.58	<0.05	10.4	0.286	1.43	3.0
K289402		10.1	79.7	<0.002	0.16	15.70	10.3	1	1.7	229	0.57	<0.05	11.3	0.273	2.38	3.7
K289403		15.3	82.1	<0.002	0.01	2.86	11.4	1	1.7	393	0.62	<0.05	12.2	0.286	1.18	3.5
K289404		17.0	199.0	<0.002	0.88	8.40	10.3	1	2.4	112.0	0.55	0.07	13.5	0.237	2.64	3.9
K289405		13.9	83.3	<0.002	0.02	4.55	11.7	1	2.0	393	0.64	<0.05	11.5	0.282	1.14	3.5
K289406		287	153.0	0.002	0.64	74.8	9.6	1	1.8	251	0.49	<0.05	11.2	0.224	2.19	4.0
K289407		45.9	92.3	0.004	0.11	7.97	12.2	1	2.4	352	0.65	<0.05	11.3	0.295	1.29	3.2
K289408		1370	169.0	0.002	4.84	69.4	9.7	2	8.5	98.4	0.55	1.28	12.4	0.216	2.80	5.4
K289409		100.0	127.0	<0.002	0.19	14.00	11.6	1	2.3	268	0.64	<0.05	13.2	0.283	2.06	3.9
K289410		721	174.5	<0.002	1.02	48.8	9.9	<1	2.0	162.5	0.50	<0.05	11.9	0.222	2.41	4.2
K289411		54.5	115.0	<0.002	0.30	17.50	11.3	1	2.5	150.0	0.58	<0.05	12.1	0.264	1.94	3.6
K289412		17.9	102.0	<0.002	0.06	3.70	12.4	1	2.0	407	0.65	<0.05	13.5	0.283	1.23	4.2
K289413		161.0	134.0	<0.002	0.36	19.65	11.2	1	2.0	288	0.61	<0.05	12.1	0.262	2.20	4.4
K289414		19.6	118.0	<0.002	0.10	5.26	12.0	1	1.7	385	0.62	<0.05	12.3	0.275	1.60	3.5
K289415		81.5	160.5	<0.002	0.77	23.9	10.9	1	2.0	169.0	0.56	<0.05	11.2	0.248	2.95	5.0
K289416		16.9	92.1	<0.002	0.02	2.62	12.1	1	1.6	442	0.66	<0.05	12.3	0.276	1.20	3.4
K289417		16.9	85.6	<0.002	0.02	2.96	11.1	1	1.6	460	0.59	<0.05	11.7	0.259	1.15	3.7
K289418		492	166.5	0.002	2.72	29.6	9.9	2	5.8	110.5	0.51	0.39	12.8	0.212	2.81	5.4
K289419		71.0	160.0	<0.002	0.76	17.30	11.5	1	2.0	188.0	0.54	<0.05	11.5	0.251	2.71	3.4
K289420		1000	159.5	<0.002	2.01	86.0	8.0	1	2.3	127.5	0.35	<0.05	9.5	0.163	2.36	4.1
K289421		40.4	108.0	<0.002	0.08	12.35	11.1	1	2.3	267	0.60	<0.05	11.3	0.268	1.77	3.5
K289422		86.8	109.0	<0.002	0.07	14.20	12.1	1	2.5	286	0.61	<0.05	11.9	0.276	1.65	3.4
K289423		952	219	<0.002	1.39	34.6	9.9	1	2.6	111.0	0.49	<0.05	13.0	0.224	3.21	4.9
K289424		239	141.5	<0.002	0.37	17.05	10.2	1	2.0	202	0.65	<0.05	13.3	0.249	2.64	5.0
K289425		23.9	80.8	<0.002	0.05	8.49	11.5	1	1.8	384	0.60	<0.05	11.2	0.279	1.56	3.6
K289426		308	137.0	<0.002	0.74	16.60	10.6	1	1.9	200	0.55	<0.05	11.3	0.245	2.39	4.2
K289427		2130	91.5	<0.002	4.78	63.6	5.5	1	2.1	160.0	0.24	0.55	5.9	0.108	1.35	5.4
K289428		3.4	1.2	<0.002	<0.01	0.11	0.2	<1	<0.2	48.2	<0.05	<0.05	<0.2	<0.005	<0.02	0.5
K289429		38.9	85.9	<0.002	0.05	6.78	9.9	1	1.6	351	0.73	<0.05	13.6	0.257	1.19	4.3
K289430		17.8	92.7	<0.002	0.01	3.13	10.5	1	1.6	440	0.67	<0.05	12.9	0.269	1.04	4.2

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 11-AUG-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15115548

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	V	W	Y	Zn	Zr
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	1	0.1	0.1	2	0.5
R610995		81	18.7	17.1	68	32.9
R610996		74	16.0	14.4	62	31.4
R610997		68	13.0	11.9	66	27.1
R610998		74	5.4	12.4	62	27.5
R610999		49	3.0	12.7	85	16.6
R611000		2	0.1	0.8	15	<0.5
K289401		85	3.4	14.3	61	26.6
K289402		80	2.5	13.1	56	27.2
K289403		83	1.0	14.6	61	31.2
K289404		70	7.1	12.5	109	26.4
K289405		87	3.4	14.2	53	26.6
K289406		69	3.3	15.7	259	20.9
K289407		86	2.5	15.0	125	27.5
K289408		66	6.6	11.7	2480	30.3
K289409		82	3.2	15.4	193	27.6
K289410		65	2.9	15.4	379	21.4
K289411		78	5.1	13.8	122	27.1
K289412		82	1.7	16.2	54	30.8
K289413		76	3.3	14.5	337	28.4
K289414		81	1.9	12.8	71	27.3
K289415		74	3.0	14.4	300	26.9
K289416		81	1.7	14.1	52	29.3
K289417		77	1.3	16.1	53	27.5
K289418		67	6.1	12.0	869	31.9
K289419		74	4.4	14.6	199	25.2
K289420		55	5.2	15.9	3100	17.9
K289421		77	3.1	14.3	106	26.2
K289422		80	3.6	14.7	226	25.7
K289423		67	6.1	13.7	3530	24.5
K289424		72	4.9	13.8	548	26.6
K289425		80	3.8	15.6	70	28.3
K289426		71	6.2	14.1	628	22.8
K289427		40	4.3	15.0	1260	11.1
K289428		2	0.1	0.8	17	<0.5
K289429		72	15.9	15.0	73	26.5
K289430		78	2.7	14.6	57	27.0

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 11-AUG-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15115548

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	ME-MS61

ALS Canada Ltd.

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 11-AUG-2015
This copy reported on 21-AUG-2015
Account: ROCKHA

CERTIFICATE WH15115557

Project: KLAZA

P.O. No.: BATCH 87

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 2-AUG-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21d	Sample logging - ClientBarCode Dup
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
BAG-06	Double Bagging Coarse Rejects
SPL-21d	Split sample - duplicate
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31d	Pulverize Split - duplicate

ANALYTICAL PROCEDURES

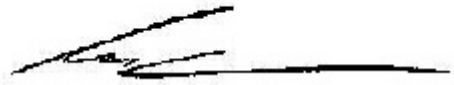
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Comments: ***Corrected copy for Au-AA24 on samples M675543 to M675562.***

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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Finalized Date: 11-AUG-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15115557

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
M675527		7.32	0.010	0.46	5.71	20.8	450	1.03	0.66	1.44	0.43	94.3	22.1	13	6.45	8.0
M675528		1.67	0.364	12.05	2.84	308	120	0.93	10.65	1.72	7.15	7.09	320	4	9.25	20.1
M675529		2.58	0.008	1.52	5.36	31.2	440	0.90	1.39	1.28	1.52	62.4	9.1	11	3.69	6.5
M675530		4.10	0.005	0.38	6.95	13.9	1100	1.32	0.77	2.74	0.97	44.5	10.3	11	9.98	5.0
M675531		3.92	<0.005	0.16	8.00	8.6	2140	1.42	0.65	2.24	0.32	50.1	8.8	10	10.85	13.4
M675532		<0.02	<0.005	0.17	8.00	8.5	2150	1.39	0.67	2.26	0.36	47.6	8.6	11	10.60	13.5
M675533		9.75	<0.005	0.33	8.45	8.4	2610	1.47	0.45	1.87	0.22	60.5	9.9	10	13.00	14.8
M675534		7.12	<0.005	0.17	6.98	44.6	1660	1.42	0.24	2.68	0.52	39.3	6.3	10	15.05	9.4
M675535		3.00	0.037	0.88	4.52	22.7	750	1.07	1.73	7.02	0.32	46.7	30.0	6	8.56	4.5
M675536		4.86	<0.005	0.01	0.08	0.3	30	0.07	0.02	21.5	0.07	1.37	0.7	1	0.19	3.4
M675537		4.46	0.008	0.55	7.43	12.1	820	1.39	1.17	3.07	0.62	64.1	10.2	10	13.30	7.5
M675538		5.16	0.006	0.38	6.47	11.1	1130	1.23	0.74	2.69	1.05	40.2	6.7	10	14.00	13.3
M675539		3.23	0.028	0.24	7.33	16.6	1170	1.22	1.09	2.54	0.18	46.1	4.9	9	10.10	13.3
M675540		3.27	0.031	0.78	7.21	48.6	3240	1.55	0.57	2.66	2.29	40.2	12.1	10	26.9	11.7
M675541		3.31	<0.005	0.07	7.32	5.9	2550	1.59	0.13	2.25	1.55	52.3	8.1	10	13.65	8.7
M675542		6.14	<0.005	0.12	7.83	11.6	2530	1.49	0.15	2.56	1.09	52.5	6.2	11	13.85	6.6
M675543		0.29	0.358	5.05	6.68	722	440	1.36	3.47	2.14	10.30	50.7	12.2	25	13.75	310
M675544		3.09	0.155	3.42	7.05	154.0	4720	1.39	0.61	1.62	19.20	39.4	8.4	9	15.60	18.1
M675545		1.64	0.010	0.36	6.70	20.4	1640	1.72	0.15	2.42	0.68	37.1	7.0	8	21.7	14.1
M675546		2.47	0.007	0.42	7.25	23.9	1870	1.74	0.15	1.97	4.33	50.6	6.6	10	16.95	10.7
M675547		3.07	0.410	18.30	6.47	309	310	1.52	1.97	2.30	78.7	43.7	14.0	8	17.85	587
M675548		5.02	<0.005	0.04	0.06	0.6	20	0.05	0.03	20.7	0.17	1.23	0.7	1	0.18	3.0
M675549		5.23	<0.005	0.13	6.77	5.4	2530	1.77	0.26	2.24	0.85	43.6	7.3	10	13.10	10.7
M675550		3.94	<0.005	0.10	6.88	5.7	2300	1.65	0.12	2.50	0.51	42.5	7.0	12	10.65	9.5
M675551		1.18	0.070	4.53	6.84	100.5	790	1.61	0.60	1.59	19.60	47.1	10.2	8	22.1	23.6
M675552		5.17	<0.005	0.09	6.95	5.2	2270	1.67	0.17	2.44	0.20	46.0	7.7	13	11.15	12.8
M675553		3.45	<0.005	0.09	6.79	4.7	2280	1.63	0.19	2.47	0.18	43.8	7.8	13	11.30	12.8
M675554		2.53	<0.005	0.07	6.83	4.8	4720	1.78	0.17	2.16	0.25	47.5	8.1	11	15.35	16.9
M675555		1.42	0.091	1.19	7.17	107.5	800	1.71	0.33	1.41	2.31	52.4	8.8	9	22.7	7.6
M675556		7.60	<0.005	0.11	6.68	7.9	2300	1.64	0.11	2.60	0.29	43.8	8.1	10	14.75	14.3
M675557		2.35	0.208	6.46	6.70	182.0	940	1.64	1.22	1.17	58.3	42.9	18.7	9	19.05	38.0
M675558		0.31	0.875	11.95	6.33	1545	250	1.48	12.00	1.80	32.2	44.8	16.8	19	13.55	282
M675559		2.31	0.041	1.42	6.80	33.0	1540	1.64	0.31	2.39	9.55	45.8	6.5	10	23.3	13.0
M675560		1.77	0.253	4.70	6.53	94.3	1180	1.51	0.66	2.15	99.5	47.4	7.0	8	16.45	43.9
M675561		1.82	0.009	0.37	6.87	11.4	5390	1.67	0.27	2.38	0.64	42.1	6.3	14	17.45	8.9
M675562		1.94	<0.005	0.12	6.86	6.3	2150	1.70	0.09	2.50	0.23	45.0	6.8	11	15.65	10.7

Comments: ***Corrected copy for Au-AA24 on samples M675543 to M675562.***

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 11-AUG-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15115557

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
M675527		2.37	15.80	0.16	0.8	0.134	2.82	63.8	12.4	0.56	798	5.21	0.04	5.1	2.6	390
M675528		21.0	6.26	0.09	0.5	0.354	1.13	4.1	19.6	0.32	491	66.1	0.03	1.4	11.0	60
M675529		2.06	10.55	0.11	3.1	0.140	2.61	37.8	5.4	0.40	849	0.55	0.04	6.2	1.0	70
M675530		2.39	16.45	0.15	1.0	0.073	3.19	22.4	31.1	0.57	871	1.17	0.08	8.0	2.3	570
M675531		3.29	17.75	0.17	1.1	0.062	3.07	26.0	31.6	0.80	579	0.41	0.30	9.0	2.3	660
M675532		3.40	17.50	0.17	1.1	0.059	3.05	24.3	31.5	0.80	590	0.46	0.31	9.0	2.4	640
M675533		3.48	17.60	0.18	1.4	0.060	3.11	32.3	38.5	0.82	590	2.07	0.76	9.1	2.8	680
M675534		2.55	16.35	0.15	1.4	0.070	2.84	18.9	77.0	0.61	795	1.54	0.76	8.4	2.4	600
M675535		4.30	10.95	0.11	0.6	0.129	1.88	26.5	32.4	1.43	1320	2.21	0.04	4.0	2.9	300
M675536		0.48	0.25	0.12	<0.1	0.008	0.03	0.7	1.3	13.50	201	0.18	0.01	0.2	1.4	180
M675537		3.65	16.40	0.17	1.4	0.072	2.96	35.2	27.4	0.99	872	1.05	0.07	5.9	2.5	580
M675538		2.80	15.70	0.15	1.2	0.053	2.33	19.5	60.1	0.66	637	5.14	0.04	6.8	2.0	560
M675539		3.18	17.10	0.14	1.2	0.067	2.80	22.5	37.4	0.76	685	2.84	0.12	8.5	2.3	740
M675540		3.05	17.65	0.15	1.5	0.065	3.15	18.2	23.3	0.43	1220	1.50	0.16	8.7	2.9	740
M675541		3.03	16.55	0.16	1.6	0.040	2.95	26.2	10.3	0.76	560	0.72	2.25	8.5	2.6	590
M675542		3.08	17.05	0.18	1.3	0.041	3.18	26.9	10.6	0.73	619	0.87	2.15	8.5	2.3	620
M675543		5.20	15.70	0.14	1.2	0.309	3.06	29.0	24.4	0.81	1870	14.95	0.16	6.3	14.4	520
M675544		5.40	15.55	0.14	1.2	0.135	3.40	17.0	9.8	0.75	2760	1.30	0.03	6.8	2.5	520
M675545		2.39	16.40	0.10	1.4	0.035	3.13	16.9	35.2	0.35	1160	0.95	0.77	8.2	2.2	560
M675546		2.89	16.00	0.14	1.3	0.039	3.08	26.3	11.9	0.62	1140	1.00	1.42	8.3	2.4	590
M675547		4.75	14.80	0.12	1.2	1.425	3.41	22.1	13.1	0.74	1860	1.43	0.07	7.3	2.5	520
M675548		0.46	0.23	0.16	<0.1	0.012	0.02	0.6	1.0	12.95	204	0.08	<0.01	0.2	1.8	180
M675549		2.85	15.60	0.15	1.3	0.038	2.77	20.9	11.0	0.73	525	1.41	2.01	8.2	2.5	570
M675550		2.80	16.50	0.12	1.3	0.030	2.77	20.2	9.4	0.70	531	1.46	2.14	8.5	2.5	570
M675551		3.72	15.80	0.11	1.1	0.091	3.48	24.6	13.1	0.60	3220	1.49	0.05	7.1	2.5	520
M675552		2.87	16.00	0.12	1.3	0.035	2.69	22.6	12.3	0.77	573	1.79	2.15	8.4	2.5	610
M675553		2.82	16.10	0.13	1.3	0.035	2.70	20.9	12.7	0.74	558	1.70	2.18	8.4	2.6	580
M675554		2.87	15.70	0.12	1.3	0.030	2.68	22.8	14.6	0.79	531	1.94	2.01	8.7	3.2	600
M675555		3.49	16.00	0.13	1.1	0.096	3.50	27.8	17.1	0.52	3730	1.57	0.12	7.5	2.9	520
M675556		2.73	15.75	0.13	1.3	0.037	2.69	20.8	17.8	0.71	601	1.51	1.84	8.3	2.5	600
M675557		5.49	15.00	0.11	1.1	0.311	3.05	22.1	15.7	0.59	1760	1.35	0.04	6.7	3.3	500
M675558		6.47	14.85	0.12	1.1	0.770	2.82	23.3	20.5	0.75	1780	8.91	0.12	6.4	12.3	520
M675559		3.28	16.15	0.12	1.3	0.062	3.51	22.6	31.5	0.74	1510	1.19	0.25	8.4	2.3	580
M675560		4.31	14.45	0.13	1.0	0.631	3.13	26.4	12.9	0.85	2230	1.07	0.04	7.1	2.2	500
M675561		3.03	16.10	0.13	1.1	0.032	3.03	20.3	14.5	0.65	748	1.21	1.65	8.3	2.4	590
M675562		2.77	16.10	0.14	1.3	0.036	2.71	22.1	11.8	0.61	580	1.05	2.01	8.4	2.8	560

Comments: ***Corrected copy for Au-AA24 on samples M675543 to M675562.***

***** See Appendix Page for comments regarding this certificate *****

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 11-AUG-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15115557

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
M675527		29.7	187.0	<0.002	1.57	12.35	7.2	1	3.0	44.6	0.50	0.18	12.0	0.148	2.19	3.4
M675528		230	68.8	0.007	>10.0	50.7	1.0	4	4.2	60.8	0.17	4.33	6.5	0.036	2.45	3.0
M675529		64.1	155.5	<0.002	1.58	5.19	2.4	<1	2.0	34.9	1.36	0.14	44.2	0.040	1.70	5.9
M675530		27.9	165.5	<0.002	1.64	7.34	9.9	1	2.4	115.5	0.63	0.25	12.8	0.238	3.04	4.7
M675531		25.7	118.0	<0.002	1.33	5.22	11.4	1	2.6	196.0	0.72	0.17	15.2	0.272	2.02	3.4
M675532		26.0	112.0	<0.002	1.37	5.03	11.1	1	2.6	196.5	0.71	0.22	14.7	0.271	1.95	3.3
M675533		25.6	126.5	<0.002	0.50	5.39	12.2	1	2.5	223	0.73	0.15	16.1	0.290	1.62	3.6
M675534		26.6	96.9	<0.002	0.26	6.76	9.9	1	2.1	250	0.74	<0.05	11.2	0.254	1.66	4.0
M675535		27.8	113.0	<0.002	3.11	13.90	7.1	1	2.0	207	0.31	0.51	7.6	0.124	1.54	5.7
M675536		1.5	1.4	<0.002	<0.01	0.06	0.2	<1	<0.2	47.0	<0.05	<0.05	<0.2	<0.005	<0.02	0.7
M675537		36.1	159.0	0.002	2.65	6.10	10.1	1	1.9	124.5	0.56	0.37	16.5	0.196	2.54	4.5
M675538		25.5	81.6	0.003	1.96	9.20	8.5	1	1.7	195.0	0.59	0.30	11.0	0.217	1.95	3.7
M675539		22.0	109.5	0.003	1.49	7.74	11.3	1	3.1	148.0	0.64	0.42	11.9	0.279	1.99	2.8
M675540		23.2	144.0	<0.002	0.95	6.30	11.6	1	2.3	134.0	0.68	0.32	11.0	0.286	3.39	3.9
M675541		17.9	120.5	<0.002	0.05	1.70	10.3	1	1.8	332	0.73	<0.05	14.1	0.253	1.34	2.2
M675542		31.2	134.5	<0.002	0.18	2.74	11.3	1	1.8	325	0.65	0.07	14.1	0.270	1.87	3.4
M675543		495	163.5	0.003	2.69	29.2	9.4	1	5.8	110.5	0.52	0.31	12.1	0.204	2.62	5.3
M675544		1270	201	<0.002	3.40	12.30	9.7	1	3.3	302	0.53	0.45	11.0	0.217	3.41	5.4
M675545		41.6	114.0	<0.002	0.23	6.93	8.6	1	1.7	171.0	0.73	0.12	10.0	0.240	2.29	2.6
M675546		225	135.5	<0.002	0.45	5.67	10.1	1	1.6	236	0.70	0.06	14.0	0.245	2.01	5.3
M675547		2950	168.5	<0.002	3.70	43.7	9.2	1	2.3	70.6	0.59	1.21	11.5	0.218	2.93	5.1
M675548		8.0	1.3	<0.002	0.01	0.15	0.2	<1	<0.2	45.6	<0.05	<0.05	<0.2	<0.005	<0.02	0.5
M675549		24.7	96.4	<0.002	0.21	1.82	9.1	1	1.5	332	0.70	0.16	11.2	0.242	1.27	2.8
M675550		38.4	97.0	<0.002	0.06	2.26	9.5	1	1.5	339	0.71	<0.05	11.0	0.245	1.40	3.3
M675551		1670	192.0	0.002	2.32	17.35	9.8	1	2.2	61.6	0.61	0.40	13.4	0.210	3.59	5.5
M675552		21.0	99.5	<0.002	0.11	1.72	10.2	1	1.7	333	0.69	0.05	12.4	0.251	1.26	3.1
M675553		20.3	93.2	<0.002	0.09	1.65	9.5	1	1.6	336	0.70	0.05	11.7	0.245	1.23	2.9
M675554		19.5	101.5	<0.002	0.10	1.45	10.1	1	2.1	344	0.73	0.05	12.2	0.250	1.16	2.3
M675555		135.5	189.0	<0.002	1.52	11.65	9.8	1	2.2	73.7	0.62	0.16	13.2	0.220	3.26	7.8
M675556		28.8	93.5	<0.002	0.06	2.82	9.6	1	1.5	314	0.69	<0.05	10.9	0.251	1.30	3.9
M675557		2670	187.0	<0.002	4.11	13.20	9.6	1	3.5	54.3	0.57	0.53	12.5	0.206	3.10	4.7
M675558		1270	156.0	<0.002	4.52	62.2	9.2	2	7.7	92.3	0.53	1.02	11.7	0.203	2.55	5.3
M675559		673	143.5	<0.002	0.47	8.95	10.3	1	1.9	127.5	0.70	0.14	12.4	0.242	2.87	4.6
M675560		1710	191.0	<0.002	1.75	9.21	9.0	1	2.6	57.1	0.59	0.19	13.2	0.214	2.99	6.0
M675561		29.7	122.5	<0.002	0.40	4.57	10.2	1	1.8	324	0.67	0.15	11.1	0.247	1.96	4.7
M675562		21.0	100.5	<0.002	0.03	1.98	9.7	1	1.4	319	0.70	<0.05	12.2	0.237	1.24	4.1

Comments: ***Corrected copy for Au-AA24 on samples M675543 to M675562.***

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 11-AUG-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15115557

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	V	W	Y	Zn	Zr
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	1	0.1	0.1	2	0.5
M675527		63	2.8	9.3	55	21.1
M675528		18	2.5	5.1	552	11.7
M675529		24	1.1	10.1	137	73.2
M675530		64	2.4	12.5	103	27.6
M675531		68	2.6	16.5	71	29.9
M675532		69	2.6	15.9	72	29.0
M675533		80	5.3	17.0	62	36.3
M675534		69	1.9	14.4	87	36.5
M675535		49	1.6	15.1	62	15.9
M675536		2	0.1	0.9	14	<0.5
M675537		64	2.1	14.9	96	32.8
M675538		65	1.7	10.7	125	30.3
M675539		85	2.2	14.0	62	30.7
M675540		91	5.0	14.4	266	40.5
M675541		68	1.5	16.8	191	40.8
M675542		73	1.6	16.6	136	32.9
M675543		66	5.8	12.0	844	30.4
M675544		60	6.9	9.7	1330	30.8
M675545		67	2.4	13.2	123	36.6
M675546		69	2.6	16.2	336	35.0
M675547		63	3.7	13.2	5740	29.5
M675548		2	0.1	0.8	21	<0.5
M675549		67	1.8	14.6	113	35.7
M675550		69	1.9	15.3	72	35.9
M675551		62	4.6	11.1	1400	30.6
M675552		72	1.4	16.0	48	36.5
M675553		68	1.5	15.3	46	35.6
M675554		68	1.5	16.8	58	35.3
M675555		63	3.6	13.7	196	32.4
M675556		72	2.1	15.8	53	35.3
M675557		63	5.8	10.4	3590	29.1
M675558		62	6.0	11.0	2340	29.8
M675559		69	3.2	14.5	707	34.4
M675560		60	3.5	10.9	6350	32.6
M675561		72	2.3	14.9	83	32.9
M675562		65	2.6	15.6	48	37.2

Comments: ***Corrected copy for Au-AA24 on samples M675543 to M675562.***

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 11-AUG-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15115557

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	ME-MS61

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 15-AUG-2015
Account: ROCKHA

CERTIFICATE WH15115559

Project: KLAZA

P.O. No.: BATCH 88

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 2-AUG-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21d	Sample logging - ClientBarCode Dup
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
BAG-06	Double Bagging Coarse Rejects
SPL-21d	Split sample - duplicate
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31d	Pulverize Split - duplicate

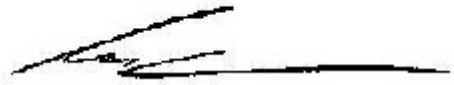
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Pb-OG62	Ore Grade Pb - Four Acid	VARIABLE
Zn-OG62	Ore Grade Zn - Four Acid	VARIABLE
Au-AA24	Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
ME-MS61	48 element four acid ICP-MS	
Ag-OG62	Ore Grade Ag - Four Acid	VARIABLE
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 15-AUG-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15115559

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-AA24 Au ppm 0.005	Au-GRA22 Au ppm 0.05	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05
M675563		3.14	0.044		1.30	7.02	58.4	870	1.55	0.12	2.14	4.90	48.5	7.8	13	22.2
M675564		1.02	0.423		12.05	6.48	202	1810	1.48	2.35	2.48	15.55	47.7	7.3	11	21.1
M675565		2.42	0.013		0.34	6.59	38.0	1830	1.50	0.16	2.59	0.82	43.4	6.7	12	19.65
M675566		4.98	0.050		0.80	6.67	153.0	1230	1.66	0.35	2.83	3.20	50.6	6.7	15	22.4
M675567		1.23	0.157		2.87	6.44	162.5	310	1.64	0.10	3.88	11.60	53.7	9.2	9	24.3
M675568		1.96	<0.005		0.09	7.01	7.3	2190	1.52	0.10	2.67	0.12	50.4	7.3	13	14.40
M675569		1.57	0.017		0.86	6.90	99.4	2250	1.63	0.15	2.82	9.32	45.9	7.3	12	17.35
M675570		0.93	0.075		18.35	6.45	177.0	3480	1.51	0.16	3.08	31.6	48.1	7.6	11	25.6
M675571		3.75	<0.005		0.16	6.80	31.5	2050	1.56	0.13	3.09	0.24	44.8	7.5	16	24.9
M675572		1.93	<0.005		0.15	7.14	24.3	1870	1.50	0.17	3.01	0.22	52.9	8.9	13	25.5
M675573		0.99	0.221		1.09	6.46	1335	860	1.50	0.11	3.26	0.33	47.6	8.4	10	25.7
M675574		1.94	<0.005		0.12	7.07	28.1	2170	1.34	0.16	3.06	0.31	49.5	6.8	11	29.3
M675575		0.35	0.354		4.42	6.63	712	420	1.44	3.49	2.09	10.90	50.1	12.2	26	12.85
M675576		4.72	0.062		0.79	6.98	451	1340	1.49	0.14	2.66	0.28	50.3	8.8	12	28.1
M675577		1.76	0.007		0.21	6.51	43.5	1480	1.40	0.09	2.53	0.16	42.7	6.3	12	29.4
M675578		1.95	0.014		0.46	7.18	65.8	770	1.88	0.40	2.85	0.85	48.8	6.4	13	23.2
M675579		1.48	0.209		14.70	6.23	126.5	580	1.42	12.15	2.70	80.2	43.8	6.9	14	17.50
M675580		5.10	<0.005		0.04	0.06	<0.2	40	<0.05	0.04	20.4	0.16	1.17	0.6	1	0.18
M675581		7.05	0.009		0.31	6.50	36.1	1660	1.36	0.18	2.33	0.45	50.1	7.3	15	22.3
M675582		3.97	<0.005		0.09	6.64	16.6	2240	1.28	0.09	2.81	0.20	41.1	6.5	13	21.7
M675583		2.84	0.025		0.46	6.90	170.5	1000	1.73	0.10	3.14	0.76	48.4	9.5	14	27.1
M675584		0.35	0.860		13.00	6.60	1645	150	1.41	12.95	2.00	35.0	47.4	19.6	20	13.65
M675585		2.47	1.010		6.11	6.08	1590	1930	1.25	3.37	1.87	75.4	38.2	7.0	14	12.00
M675586		4.27	0.028		0.46	7.24	218	1290	1.56	0.10	2.66	0.34	48.3	7.3	13	26.0
M675587		1.18	0.024		0.47	6.37	105.0	1020	1.74	0.21	2.65	2.14	41.7	6.3	10	27.4
M675588		4.55	0.034		0.43	6.67	54.3	1030	1.54	0.12	1.95	1.34	41.9	5.8	11	24.0
M675589		<0.02	0.033		0.43	7.22	52.3	1130	1.65	0.13	2.00	1.29	46.4	5.9	13	25.6
M675590		2.21	8.34		8.85	4.94	8990	970	1.12	2.73	1.28	192.5	33.7	4.7	9	11.60
M675591		0.98	0.090		2.31	6.78	510	820	1.31	0.12	1.66	11.45	48.1	6.9	9	15.50
M675592		1.11	5.29		32.3	5.26	4050	250	1.33	7.43	1.56	171.5	37.7	12.3	8	41.9
M675593		7.76	0.010		0.21	7.28	43.0	2120	1.45	0.12	1.57	0.72	47.9	6.9	13	22.3
M675594		3.91	0.018		0.49	7.06	57.0	1310	1.59	0.15	1.44	1.46	47.9	7.3	16	26.8
M675595		1.05	>10.0	14.35	>100	4.65	5120	2730	1.05	40.0	1.89	371	25.5	13.5	9	10.50
M675596		4.95	<0.005		0.21	0.08	7.6	40	<0.05	0.13	20.4	0.56	1.19	0.6	1	0.26
M675597		3.34	0.010		0.73	7.08	34.4	2700	1.50	0.46	2.52	2.20	40.8	20.4	12	18.25
M675598		5.91	<0.005		0.16	7.31	17.7	2320	1.79	0.11	2.19	0.28	48.1	8.9	14	29.8

***** See Appendix Page for comments regarding this certificate *****

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 15-AUG-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15115559

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni
	Units	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	LOR	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2
M675563		41.8	2.86	16.05	0.12	1.3	0.263	2.90	24.8	32.5	0.75	888	1.59	0.06	7.9	2.7
M675564		82.9	4.00	15.10	0.13	1.1	0.239	2.96	25.6	13.3	0.87	2250	1.38	0.05	7.1	2.5
M675565		15.8	2.68	16.60	0.15	1.4	0.057	3.41	21.4	20.7	0.56	891	1.41	0.44	8.5	2.4
M675566		19.7	2.93	15.55	0.13	1.2	0.355	3.15	26.3	16.1	0.87	2020	1.86	0.05	7.7	2.6
M675567		22.0	4.30	14.95	0.12	1.6	0.078	2.83	27.8	13.0	1.29	3400	1.42	0.10	8.4	2.9
M675568		14.5	2.89	16.15	0.16	1.3	0.039	2.75	25.5	10.6	0.66	637	1.56	1.95	8.3	2.5
M675569		18.7	3.16	16.00	0.14	1.3	0.064	3.07	22.3	18.1	0.69	979	1.26	1.54	8.1	2.5
M675570		25.0	3.28	14.90	0.12	1.1	0.123	3.12	24.6	25.5	0.97	1480	1.45	0.31	7.3	2.4
M675571		10.5	2.89	16.15	0.14	1.3	0.038	2.78	21.8	33.6	0.75	674	1.43	1.28	8.5	2.3
M675572		10.7	2.91	16.40	0.15	1.3	0.036	2.86	27.2	37.1	0.79	699	1.24	1.04	8.6	2.4
M675573		10.5	2.26	14.95	0.15	1.1	0.039	2.68	25.4	19.6	1.11	818	1.34	0.03	7.3	2.5
M675574		11.4	2.90	17.55	0.14	1.4	0.047	3.19	24.4	85.3	0.70	855	1.38	0.30	9.2	2.2
M675575		310	5.06	15.40	0.13	1.1	0.309	2.94	28.3	24.4	0.78	1880	16.40	0.15	6.3	14.7
M675576		10.9	2.91	15.85	0.14	1.2	0.041	2.93	25.8	19.9	0.83	933	1.28	0.04	8.3	3.0
M675577		9.3	2.68	15.90	0.13	1.2	0.038	3.03	21.1	51.4	0.68	716	1.19	0.37	8.4	2.2
M675578		6.4	2.91	16.15	0.13	1.1	0.059	3.22	25.3	51.5	0.92	1840	2.25	0.06	8.3	2.3
M675579		153.5	4.09	15.15	0.13	0.9	1.680	3.22	22.8	14.9	0.77	3790	17.60	0.05	7.0	3.4
M675580		1.5	0.50	0.24	0.18	<0.1	0.007	0.03	0.6	1.0	13.00	223	0.12	<0.01	0.1	1.6
M675581		13.8	2.51	15.55	0.20	1.0	0.043	2.91	26.0	41.5	0.72	946	6.71	0.07	8.1	2.5
M675582		6.6	2.79	16.10	0.17	1.0	0.034	3.09	20.0	23.6	0.57	668	1.73	1.17	8.1	2.2
M675583		6.6	3.14	17.35	0.16	1.2	0.073	3.10	23.3	26.4	0.92	2040	2.78	0.04	9.0	2.9
M675584		289	6.72	16.10	0.14	1.1	0.851	3.02	24.6	17.4	0.80	1900	9.22	0.13	7.0	13.1
M675585		74.7	6.43	14.10	0.13	0.8	1.400	2.77	19.7	12.9	0.88	4630	3.02	0.03	6.2	2.6
M675586		10.7	2.83	17.10	0.15	1.1	0.046	3.05	25.0	35.0	0.89	1270	2.17	0.03	8.4	2.6
M675587		18.7	3.31	16.00	0.13	1.2	0.197	2.49	20.4	87.3	0.67	1920	3.14	0.02	8.3	2.3
M675588		7.2	2.89	16.55	0.13	1.1	0.084	2.84	20.7	97.5	0.68	1560	5.86	0.03	8.2	2.3
M675589		8.2	3.01	16.80	0.13	1.1	0.085	2.94	23.9	98.5	0.73	1530	5.58	0.03	8.3	3.1
M675590		175.5	4.90	11.65	0.11	0.8	3.76	2.17	17.8	22.2	0.52	3160	24.9	0.02	5.2	3.1
M675591		20.6	3.95	14.65	0.12	1.0	0.226	2.90	27.1	15.1	0.75	4080	3.81	0.02	7.0	2.2
M675592		464	4.24	11.85	0.11	0.8	4.12	2.00	20.6	26.0	0.64	1840	7.59	0.02	5.2	1.9
M675593		9.0	3.40	16.25	0.13	1.1	0.048	1.75	24.9	279	0.64	1240	2.38	0.02	8.2	2.4
M675594		20.9	3.64	15.60	0.11	1.0	0.080	2.43	25.4	151.5	0.66	1460	4.19	0.03	7.6	9.6
M675595		4630	5.17	10.45	0.09	0.4	10.40	2.22	12.9	23.1	0.81	2860	4.91	0.03	4.3	3.2
M675596		9.3	0.47	0.25	0.14	<0.1	0.020	0.03	0.6	1.5	13.00	206	0.20	<0.01	0.1	1.7
M675597		32.2	3.16	16.50	0.17	0.8	0.080	2.99	20.2	47.5	0.87	1070	2.84	0.07	7.3	3.0
M675598		14.5	3.96	16.80	0.15	1.0	0.043	2.94	24.5	43.1	0.79	449	1.91	0.28	8.3	3.6

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 15-AUG-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15115559

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
	LOR	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02
M675563		570	232	120.0	<0.002	0.33	11.20	9.4	<1	1.6	90.3	0.66	<0.05	11.8	0.241	2.16
M675564		500	4920	144.5	<0.002	1.45	32.6	8.1	<1	2.3	94.3	0.57	<0.05	11.4	0.214	3.16
M675565		580	70.4	137.0	<0.002	0.25	7.43	9.3	<1	1.7	159.0	0.68	<0.05	11.2	0.251	2.38
M675566		530	109.5	137.5	<0.002	0.73	12.50	8.7	<1	1.6	92.8	0.62	<0.05	11.7	0.232	3.15
M675567		590	663	154.5	<0.002	2.33	20.7	10.6	<1	2.4	120.0	0.65	<0.05	9.6	0.263	3.43
M675568		580	20.7	112.5	<0.002	0.02	2.84	9.7	<1	1.5	332	0.67	<0.05	12.2	0.256	1.43
M675569		610	274	120.5	<0.002	0.15	5.27	10.0	<1	1.7	290	0.67	<0.05	11.9	0.254	1.93
M675570		530	3750	125.5	<0.002	0.70	19.80	8.6	<1	1.8	164.0	0.59	<0.05	11.6	0.224	2.64
M675571		610	24.1	100.5	<0.002	0.08	3.99	9.7	1	1.7	287	0.69	<0.05	11.9	0.257	1.58
M675572		610	24.8	115.5	<0.002	0.09	4.17	10.0	1	1.8	252	0.69	<0.05	13.0	0.263	1.62
M675573		510	43.0	138.5	<0.002	1.14	32.1	8.1	<1	1.6	93.9	0.59	<0.05	11.0	0.225	3.56
M675574		660	18.5	116.0	<0.002	0.10	6.54	10.9	<1	1.9	208	0.75	<0.05	13.1	0.280	2.01
M675575		530	478	161.0	0.005	2.68	29.2	8.4	1	5.6	109.0	0.52	0.34	10.6	0.201	2.64
M675576		590	39.6	141.0	<0.002	1.35	17.90	9.4	<1	1.6	104.0	0.67	<0.05	12.5	0.249	3.58
M675577		570	17.3	114.5	<0.002	0.15	6.62	9.1	<1	1.5	173.0	0.68	<0.05	10.7	0.247	2.30
M675578		590	52.6	143.0	<0.002	0.44	10.95	9.5	<1	1.6	138.0	0.66	<0.05	11.9	0.253	3.10
M675579		480	1640	175.0	0.003	1.46	26.7	8.4	1	2.6	137.0	0.58	<0.05	10.0	0.211	3.33
M675580		170	4.0	1.4	<0.002	0.01	0.13	0.1	<1	<0.2	50.8	<0.05	<0.05	<0.2	<0.005	0.02
M675581		570	22.5	122.5	<0.002	0.31	16.60	9.0	<1	1.7	110.5	0.64	<0.05	11.9	0.244	2.65
M675582		580	20.4	118.5	<0.002	0.08	6.64	9.2	1	1.5	244	0.62	<0.05	11.0	0.248	1.90
M675583		680	70.7	128.0	<0.002	0.41	13.80	11.4	<1	1.8	110.0	0.71	<0.05	11.6	0.288	3.64
M675584		560	1370	171.5	0.002	4.77	67.3	8.9	1	8.3	99.9	0.56	1.01	10.6	0.217	2.88
M675585		430	1460	161.5	<0.002	3.91	34.1	7.3	<1	4.3	110.0	0.52	<0.05	9.6	0.189	3.31
M675586		610	30.3	132.5	<0.002	0.50	14.60	10.0	<1	1.8	116.5	0.68	<0.05	12.5	0.263	3.23
M675587		690	161.5	101.0	0.002	0.49	18.75	8.7	1	2.2	341	0.67	<0.05	11.0	0.249	2.96
M675588		580	78.7	124.5	<0.002	0.61	20.2	9.0	<1	2.1	166.0	0.68	<0.05	11.3	0.243	3.22
M675589		610	76.5	143.0	<0.002	0.63	20.5	9.0	<1	2.2	172.5	0.68	<0.05	12.2	0.248	3.23
M675590		390	1590	136.0	<0.002	3.64	73.5	6.0	<1	4.7	175.0	0.44	<0.05	8.2	0.156	2.58
M675591		500	804	159.5	<0.002	1.70	26.0	8.2	<1	2.2	58.5	0.57	<0.05	11.9	0.219	3.11
M675592		390	3040	128.0	<0.002	2.78	94.5	6.2	<1	12.5	70.6	0.41	<0.05	8.2	0.165	2.40
M675593		610	43.3	80.2	<0.002	0.24	31.2	9.3	<1	1.9	198.5	0.66	<0.05	12.4	0.255	1.95
M675594		560	134.0	106.5	0.002	0.32	30.5	9.7	1	1.9	156.0	0.64	<0.05	13.1	0.239	2.48
M675595		330	>10000	139.5	<0.002	4.68	464	5.2	1	5.8	88.5	0.35	0.11	7.9	0.142	2.39
M675596		210	22.2	1.6	<0.002	0.01	0.94	0.2	<1	<0.2	45.3	<0.05	<0.05	<0.2	<0.005	0.02
M675597		590	114.0	148.5	<0.002	0.45	18.10	9.2	1	1.3	100.5	0.62	0.12	13.1	0.241	2.36
M675598		640	26.0	127.5	<0.002	0.13	9.22	11.0	1	1.8	141.5	0.69	<0.05	13.8	0.272	1.81

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 15-AUG-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15115559

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Ag-OG62	Pb-OG62	Zn-OG62
	Analyte	U	V	W	Y	Zn	Zr	Ag	Pb	Zn
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	LOR	0.1	1	0.1	0.1	2	0.5	1	0.001	0.001
M675563		5.1	67	3.4	16.1	418	33.4			
M675564		3.7	58	4.9	13.4	1150	30.2			
M675565		3.4	68	2.8	15.0	100	37.0			
M675566		6.0	63	6.1	15.7	334	32.2			
M675567		5.3	78	6.9	18.8	912	33.4			
M675568		3.6	72	2.2	16.7	48	35.7			
M675569		4.7	72	3.6	16.8	611	35.7			
M675570		3.9	62	3.3	15.5	2360	29.8			
M675571		4.3	72	3.0	16.2	56	35.5			
M675572		4.8	71	3.2	17.5	55	35.1			
M675573		3.9	61	8.8	12.1	58	30.5			
M675574		4.3	75	2.7	18.0	70	38.1			
M675575		4.8	67	5.5	12.0	878	30.3			
M675576		5.0	68	5.5	13.3	49	32.8			
M675577		4.0	67	2.4	13.6	53	34.8			
M675578		5.2	69	3.1	17.4	101	29.5			
M675579		4.9	59	4.3	13.9	5440	24.4			
M675580		0.7	2	0.1	0.8	24	<0.5			
M675581		4.6	64	4.2	15.1	65	28.5			
M675582		3.7	68	2.8	15.3	46	29.0			
M675583		5.8	81	6.6	17.9	85	31.9			
M675584		4.9	67	6.1	12.7	2530	32.4			
M675585		5.1	54	7.2	8.9	5040	22.5			
M675586		5.7	74	5.8	15.3	57	30.4			
M675587		6.2	69	6.4	14.2	181	33.3			
M675588		6.5	67	4.3	12.9	132	30.9			
M675589		6.9	69	4.3	13.7	136	30.7			
M675590		6.8	44	4.0	9.3	>10000	21.5			1.180
M675591		3.5	61	6.1	10.6	878	29.2			
M675592		5.1	46	4.9	11.1	>10000	21.0			1.070
M675593		4.6	67	9.2	13.8	97	30.8			
M675594		6.3	67	9.1	13.7	153	31.0			
M675595		7.0	39	3.0	8.5	>10000	16.3	132	1.430	2.56
M675596		0.6	2	0.1	0.8	53	<0.5			
M675597		5.2	67	2.5	14.3	180	29.3			
M675598		4.8	76	3.3	16.8	56	33.3			

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: KLAZA

Finalized Date: 15-AUG-2015
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH15115559

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Ag-OG62	Au-AA24	Au-GRA22	ME-MS61
ME-OG62	Pb-OG62	Zn-OG62	

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 11-AUG-2015
Account: ROCKHA

CERTIFICATE WH15115562

Project: KLAZA

P.O. No.: BATCH 89

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 2-AUG-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21d	Sample logging - ClientBarCode Dup
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
BAG-06	Double Bagging Coarse Rejects
SPL-21d	Split sample - duplicate
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31d	Pulverize Split - duplicate

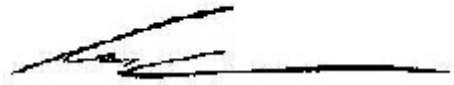
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Pb-OG62	Ore Grade Pb - Four Acid	VARIABLE
Zn-OG62	Ore Grade Zn - Four Acid	VARIABLE
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	
Ag-OG62	Ore Grade Ag - Four Acid	VARIABLE
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.

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Finalized Date: 11-AUG-2015
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Project: KLAZA

CERTIFICATE OF ANALYSIS WH15115562

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
K289431		2.19	0.006	1.44	6.17	24.4	1910	1.11	0.38	4.50	7.31	54.0	6.3	12	11.80	16.7
K289432		3.72	<0.005	0.07	7.33	4.8	2050	1.44	0.12	2.02	0.10	41.9	8.0	12	12.45	14.0
K289433		0.92	0.077	3.29	5.67	310	450	1.15	0.41	1.74	38.4	38.3	10.1	8	12.75	24.4
K289434		2.40	<0.005	0.42	7.44	32.0	2170	1.58	0.20	2.42	5.11	42.1	7.4	11	10.55	9.0
K289435		1.10	<0.005	0.42	7.41	11.8	2010	1.75	0.15	2.60	4.49	45.1	7.9	12	11.00	10.8
K289436		2.83	<0.005	1.15	8.09	81.6	1280	1.61	0.11	1.53	11.50	55.4	7.7	13	20.5	13.5
K289437		0.36	0.851	13.60	6.77	1620	530	1.33	11.60	1.87	32.5	48.8	16.7	19	13.10	285
K289438		5.06	0.014	1.80	7.71	214	1420	1.55	0.13	1.79	19.50	48.3	8.4	12	14.30	22.4
K289439		5.40	<0.005	0.23	7.32	14.6	2060	1.56	0.10	2.58	3.22	41.8	8.3	12	20.3	9.5
K289440		4.52	<0.005	0.10	7.10	15.4	1830	1.47	0.09	2.97	0.25	42.2	7.9	12	24.5	14.8
K289441		2.33	0.013	0.98	6.86	277	1560	1.75	0.06	3.24	12.50	46.2	8.7	33	20.8	17.8
K289442		4.93	<0.005	1.53	7.66	12.9	1520	1.46	0.05	1.99	0.40	42.5	8.4	11	18.25	12.2
K289443		1.73	0.034	1.07	7.06	299	380	1.50	0.10	2.58	3.39	47.2	9.7	10	21.1	23.3
K289444		1.13	0.252	>100	5.32	3120	340	1.14	3.61	2.04	126.5	30.5	9.4	8	8.52	456
K289445		5.09	<0.005	0.26	0.09	3.7	20	0.07	0.03	21.1	0.29	1.32	0.7	<1	0.29	2.7
K289446		1.75	<0.005	0.53	8.49	19.0	1430	1.18	0.07	1.44	1.51	57.6	7.6	10	18.45	13.2
K289447		2.92	<0.005	0.24	7.49	16.3	1970	1.46	0.08	2.63	0.97	44.7	7.6	14	11.65	8.3
K289448		1.17	0.171	1.07	6.25	382	1020	1.21	0.13	3.93	2.39	43.9	8.0	10	17.55	31.0
K289449		5.08	<0.005	0.02	0.11	0.6	40	0.06	0.02	20.4	0.07	1.63	0.7	1	0.30	3.8
K289450		1.46	<0.005	0.08	7.63	7.7	1570	1.06	0.09	1.95	0.15	42.3	7.4	11	18.25	10.5
K289451		6.53	<0.005	0.11	7.53	16.8	1530	1.29	0.07	2.45	0.26	46.9	8.3	9	24.4	10.2
K289452		0.88	0.040	0.45	6.61	346	1190	1.17	0.20	4.65	2.79	53.1	7.2	10	12.75	12.5
K289453		6.46	<0.005	0.09	7.32	4.9	1940	1.49	0.06	2.62	0.18	43.3	8.2	10	14.65	10.3
K289454		3.75	0.005	0.46	7.16	46.0	1860	1.49	0.09	2.95	6.97	45.9	7.9	12	11.35	18.1
K289455		6.24	<0.005	0.06	7.40	5.5	2090	1.50	0.08	2.83	0.12	44.9	7.7	11	9.23	6.8
K289456		<0.02	<0.005	0.08	7.62	7.6	2180	1.54	0.08	2.86	0.12	45.0	8.0	15	9.18	7.0
K289457		4.65	<0.005	0.08	7.91	6.7	1780	1.48	0.10	2.16	0.19	48.0	7.6	12	11.60	9.9
K289458		3.42	0.010	0.42	7.34	70.2	2100	1.49	0.16	2.43	3.15	50.7	7.8	14	10.40	13.3
K289459		4.55	<0.005	0.30	6.93	21.0	1470	1.59	0.24	2.46	0.44	43.4	12.1	12	12.80	6.6
K289460		3.36	0.008	1.80	6.81	37.5	2640	1.65	0.23	2.49	1.94	49.1	10.2	13	11.75	8.8
K289461		0.37	0.325	4.62	6.86	734	340	1.39	3.61	2.05	10.85	50.4	11.8	26	12.85	311
K289462		2.73	0.024	0.56	7.27	31.8	830	1.29	0.20	2.28	4.68	41.5	7.6	11	17.00	10.8
K289463		5.18	<0.005	0.08	7.84	3.0	2110	1.35	0.18	2.54	0.08	49.4	8.6	13	7.66	10.4
K289464		7.65	<0.005	0.08	7.29	3.8	1970	1.47	0.35	2.62	0.09	37.7	9.5	11	11.50	9.2
K289465		2.15	<0.005	0.06	7.24	6.0	820	1.34	0.32	2.92	0.11	44.6	8.1	13	7.02	19.5
K289466		2.69	0.006	3.67	5.88	60.9	2190	1.33	533	2.70	1.12	47.3	11.1	10	18.70	327

***** See Appendix Page for comments regarding this certificate *****

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C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 11-AUG-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15115562

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
K289431		2.93	14.00	0.15	1.1	0.064	2.69	27.0	9.9	0.81	1220	1.95	0.94	7.2	2.2	570
K289432		3.30	16.35	0.12	1.0	0.042	2.61	20.2	20.8	0.79	740	3.74	0.62	7.5	4.7	650
K289433		4.61	12.25	0.13	0.7	0.379	2.25	21.3	37.4	0.75	3540	3.86	0.03	5.1	3.0	470
K289434		3.64	15.85	0.16	1.0	0.061	3.01	20.0	29.7	0.82	1520	2.73	1.06	7.2	2.2	640
K289435		3.72	16.00	0.15	1.0	0.056	2.88	20.8	21.5	0.89	1540	4.70	1.33	7.3	2.4	660
K289436		3.30	17.20	0.17	1.1	0.149	3.51	29.1	32.7	0.66	3180	2.76	0.08	7.6	1.9	680
K289437		6.61	14.70	0.14	1.1	0.792	2.88	25.7	20.2	0.78	1800	8.70	0.12	6.0	11.1	540
K289438		3.96	16.60	0.15	1.0	0.237	3.09	25.0	29.2	0.75	3480	1.43	0.13	7.2	2.2	650
K289439		3.19	15.95	0.14	1.1	0.045	2.67	19.6	23.2	0.88	914	1.60	1.60	7.4	2.1	660
K289440		3.06	16.25	0.15	1.0	0.044	2.55	20.2	63.7	0.77	987	1.33	1.08	7.4	2.1	640
K289441		3.46	15.15	0.16	1.2	0.083	2.90	23.3	168.0	0.99	3490	3.11	0.06	7.2	2.7	640
K289442		3.14	17.05	0.15	1.3	0.041	2.45	20.3	62.2	0.68	1070	1.24	0.16	7.7	2.7	660
K289443		3.18	15.30	0.15	1.1	0.065	2.92	25.4	22.6	0.91	3680	1.20	0.03	6.7	2.3	580
K289444		6.03	11.80	0.13	0.8	0.964	2.37	16.4	16.3	0.73	7360	1.20	0.02	4.9	2.0	420
K289445		0.52	0.28	0.11	<0.1	0.006	0.04	0.6	1.4	13.45	248	0.08	<0.01	0.2	1.0	270
K289446		3.00	18.10	0.16	1.3	0.046	2.59	29.3	32.7	0.60	1350	1.27	0.07	8.1	2.1	710
K289447		3.02	15.95	0.17	1.4	0.033	2.51	21.4	33.2	0.79	780	1.42	1.61	7.7	2.2	620
K289448		4.26	12.70	0.14	1.1	0.173	2.38	23.5	80.6	1.44	4950	4.16	0.05	6.2	1.8	500
K289449		0.48	0.31	0.11	<0.1	<0.005	0.04	0.8	1.5	12.70	225	0.26	0.01	0.3	1.0	210
K289450		3.03	16.35	0.15	1.5	0.039	2.44	20.3	76.6	0.71	884	1.45	0.13	8.2	1.9	680
K289451		3.16	16.60	0.17	1.2	0.045	2.74	22.6	48.0	0.78	1050	1.41	0.32	7.8	1.9	660
K289452		3.59	14.30	0.16	1.3	0.079	3.12	28.9	29.0	1.29	4420	1.29	0.06	6.9	1.7	510
K289453		3.21	15.95	0.16	1.5	0.041	2.52	20.7	21.0	0.89	846	1.66	1.55	8.0	2.0	650
K289454		3.41	16.05	0.15	1.6	0.092	2.95	22.3	18.2	0.84	1740	1.63	1.37	7.8	2.2	600
K289455		3.10	16.20	0.16	1.3	0.043	2.60	21.7	13.9	0.87	829	1.27	2.05	7.7	2.0	610
K289456		3.31	16.25	0.16	1.3	0.043	2.66	21.9	13.9	0.90	849	1.57	2.08	7.8	2.3	640
K289457		3.27	16.50	0.14	1.4	0.055	2.67	24.2	22.8	0.68	1250	1.65	0.98	8.3	2.3	680
K289458		3.77	16.20	0.18	1.2	0.091	3.11	25.6	25.7	0.84	3000	1.32	0.06	7.8	2.4	630
K289459		3.12	15.30	0.17	1.0	0.095	3.17	22.4	42.7	0.97	1870	0.80	0.04	6.6	1.7	590
K289460		3.55	14.25	0.17	0.9	0.090	3.10	26.6	26.9	1.07	2240	1.07	0.02	6.6	2.1	590
K289461		4.99	15.15	0.17	1.1	0.315	2.93	28.7	26.6	0.78	1880	14.05	0.15	5.8	13.3	530
K289462		3.17	15.90	0.17	1.0	0.070	2.29	20.6	59.5	0.79	1560	0.99	0.05	7.0	1.8	630
K289463		3.42	16.80	0.19	1.1	0.039	2.57	24.3	27.3	0.86	692	1.35	1.30	7.8	2.5	700
K289464		3.54	16.30	0.16	1.1	0.047	2.52	18.2	24.4	0.92	750	1.11	1.33	7.4	2.2	640
K289465		2.82	15.35	0.16	1.1	0.047	1.86	22.9	131.5	0.82	1110	1.06	0.05	7.3	1.8	650
K289466		2.99	13.90	0.19	0.8	0.116	2.11	26.3	61.6	0.94	1340	0.82	0.03	5.7	2.2	470

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
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Finalized Date: 11-AUG-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15115562

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
K289431		497	122.5	<0.002	0.35	5.60	9.5	1	2.7	272	0.64	<0.05	13.5	0.241	1.58	4.7
K289432		17.6	96.2	0.003	0.02	6.72	11.3	1	1.7	307	0.63	<0.05	9.2	0.292	1.18	2.7
K289433		874	144.0	<0.002	2.57	27.5	8.5	1	3.4	124.0	0.44	<0.05	8.5	0.206	2.14	5.7
K289434		227	115.5	<0.002	0.12	5.47	10.8	1	1.9	305	0.61	<0.05	9.1	0.293	1.69	3.6
K289435		236	110.0	<0.002	0.10	4.75	11.2	1	2.1	331	0.63	<0.05	9.2	0.297	1.56	4.3
K289436		554	178.0	<0.002	0.29	13.75	12.8	1	2.5	150.5	0.65	<0.05	12.0	0.301	2.53	4.5
K289437		1310	171.0	0.002	4.84	65.9	9.4	2	8.3	97.8	0.55	2.03	10.4	0.214	2.57	5.1
K289438		605	162.0	<0.002	0.63	21.4	11.9	1	2.9	150.5	0.60	<0.05	10.9	0.285	2.31	3.2
K289439		147.0	96.9	<0.002	0.04	3.39	11.0	1	1.9	419	0.65	<0.05	9.0	0.302	1.35	2.9
K289440		20.8	91.3	<0.002	0.06	6.47	11.0	1	2.6	348	0.59	<0.05	8.3	0.288	1.49	2.7
K289441		398	131.5	<0.002	0.67	22.3	11.6	1	2.2	176.5	0.63	<0.05	10.2	0.281	2.41	5.4
K289442		23.9	85.2	<0.002	0.07	12.30	11.3	1	1.8	174.5	0.72	<0.05	9.8	0.293	1.24	2.9
K289443		358	159.5	<0.002	0.89	43.5	11.3	1	2.6	183.0	0.63	<0.05	10.2	0.263	2.64	6.1
K289444		>10000	155.5	<0.002	4.95	369	8.1	1	5.1	76.1	0.42	0.06	8.1	0.192	2.47	5.8
K289445		22.6	2.1	<0.002	0.01	0.81	0.2	<1	<0.2	49.7	<0.05	<0.05	<0.2	<0.005	0.02	0.6
K289446		91.2	107.5	<0.002	0.07	15.10	12.1	1	2.5	129.0	0.73	<0.05	12.5	0.319	1.25	4.1
K289447		70.2	97.7	<0.002	0.04	4.44	10.8	1	1.8	352	0.75	<0.05	10.2	0.285	1.12	3.9
K289448		234	123.0	<0.002	0.90	23.9	10.4	1	2.4	173.5	0.64	<0.05	9.9	0.234	1.72	5.2
K289449		3.1	2.0	<0.002	<0.01	0.13	0.2	<1	<0.2	52.6	<0.05	<0.05	<0.2	0.005	0.02	0.7
K289450		15.0	78.0	<0.002	0.03	13.95	10.9	1	2.0	163.0	0.84	<0.05	9.5	0.306	1.19	2.8
K289451		18.4	99.8	<0.002	0.09	9.22	11.0	1	2.3	205	0.74	<0.05	10.3	0.297	1.79	4.0
K289452		95.5	173.0	<0.002	0.93	15.10	9.1	1	2.3	188.0	0.77	<0.05	11.5	0.226	2.23	4.8
K289453		20.0	95.9	<0.002	0.02	2.90	11.2	1	2.2	383	0.75	<0.05	10.4	0.287	1.24	4.0
K289454		69.1	124.0	<0.002	0.24	4.76	10.6	1	2.1	305	0.75	<0.05	11.5	0.275	1.80	5.1
K289455		20.0	95.7	<0.002	0.02	1.66	10.6	1	1.9	410	0.74	<0.05	10.3	0.283	1.11	3.9
K289456		22.5	99.7	<0.002	0.02	1.67	11.0	1	2.0	416	0.71	<0.05	10.8	0.290	1.14	4.1
K289457		19.0	111.0	<0.002	0.05	11.00	12.1	1	2.0	236	0.81	<0.05	11.4	0.307	1.34	3.3
K289458		90.5	150.5	<0.002	0.59	15.35	11.9	1	2.2	119.5	0.78	<0.05	10.7	0.279	1.99	3.4
K289459		24.6	173.5	<0.002	0.47	7.65	10.3	1	3.6	123.0	0.58	<0.05	10.2	0.256	2.32	2.8
K289460		294	179.0	<0.002	0.54	13.65	11.0	1	2.7	125.5	0.55	<0.05	10.6	0.257	2.38	3.9
K289461		482	165.5	0.003	2.79	26.2	9.3	1	5.9	109.5	0.50	0.35	10.3	0.212	2.56	4.9
K289462		184.5	83.1	<0.002	0.30	19.55	10.8	<1	2.3	145.5	0.59	<0.05	9.0	0.280	1.64	2.6
K289463		16.6	84.1	<0.002	0.03	3.03	11.6	1	2.3	321	0.67	<0.05	10.1	0.310	1.09	3.2
K289464		13.9	81.1	<0.002	0.05	3.81	11.1	1	2.2	319	0.64	<0.05	8.2	0.296	1.21	2.7
K289465		9.3	61.9	<0.002	0.09	13.75	10.8	1	2.6	166.5	0.60	<0.05	9.3	0.285	1.01	2.2
K289466		146.0	128.0	<0.002	0.23	140.5	9.0	4	7.7	121.5	0.46	9.88	9.2	0.216	1.70	3.7

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CERTIFICATE OF ANALYSIS WH15115562

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Ag-OG62	Pb-OG62	Zn-OG62
	Analyte	V	W	Y	Zn	Zr	Ag	Pb	Zn
	Units	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	LOR	1	0.1	0.1	2	0.5	1	0.001	0.001
K289431		69	2.2	16.1	746	25.9			
K289432		82	3.9	15.2	63	27.6			
K289433		62	4.6	9.5	2780	18.2			
K289434		83	4.8	16.1	413	23.7			
K289435		85	4.4	16.3	376	25.7			
K289436		86	6.4	17.0	826	29.3			
K289437		64	6.2	11.1	2420	30.7			
K289438		83	4.9	16.9	1200	27.4			
K289439		87	1.8	15.3	275	27.9			
K289440		82	2.2	16.8	66	22.8			
K289441		85	4.3	17.8	907	30.0			
K289442		84	11.1	16.8	85	32.1			
K289443		82	5.2	16.8	374	29.0			
K289444		58	5.6	9.6	>10000	18.5	134	1.095	1.230
K289445		3	0.1	0.9	35	<0.5			
K289446		90	6.7	18.0	162	33.6			
K289447		82	2.1	16.9	122	36.0			
K289448		75	4.4	17.9	275	24.4			
K289449		2	0.1	0.9	19	<0.5			
K289450		85	5.3	17.4	68	35.2			
K289451		84	3.8	16.8	74	29.9			
K289452		65	2.9	21.3	245	31.3			
K289453		84	1.7	17.5	68	35.9			
K289454		79	2.8	17.2	538	38.2			
K289455		79	1.8	16.7	62	31.8			
K289456		81	1.7	17.5	65	33.8			
K289457		86	5.3	18.3	70	34.0			
K289458		83	3.2	19.1	271	26.1			
K289459		76	3.7	14.9	76	21.1			
K289460		73	4.3	16.5	184	19.9			
K289461		68	5.7	11.4	890	31.6			
K289462		81	6.3	14.1	386	25.3			
K289463		89	2.0	18.2	61	30.0			
K289464		85	1.6	13.8	61	27.4			
K289465		73	2.4	14.0	58	28.1			
K289466		71	4.5	15.6	117	19.7			

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

2103 Dollarton Hwy
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Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: KLAZA

Finalized Date: 11-AUG-2015
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH15115562

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Ag-OG62	Au-AA24	ME-MS61	ME-OG62
Pb-OG62	Zn-OG62		

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 12-AUG-2015
Account: ROCKHA

CERTIFICATE WH15115569

Project: KLAZA

P.O. No.: BATCH 90

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 2-AUG-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21d	Sample logging - ClientBarCode Dup
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
BAG-06	Double Bagging Coarse Rejects
SPL-21d	Split sample - duplicate
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31d	Pulverize Split - duplicate

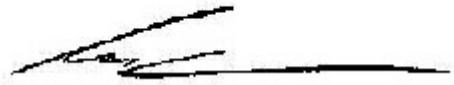
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 12-AUG-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15115569

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
M675599		4.98	<0.005	0.08	6.48	7.6	2120	1.53	0.09	2.87	0.19	37.6	6.4	11	47.8	9.4
M675600		2.14	0.005	0.32	6.66	26.0	2010	1.69	0.09	1.39	2.45	40.6	6.1	11	22.6	12.6
M675601		1.06	1.785	8.12	5.07	4850	620	1.22	3.96	0.65	52.2	33.4	6.9	12	9.55	69.6
M675602		2.76	0.057	2.36	7.32	125.5	950	1.57	0.44	1.29	29.5	50.4	5.1	13	12.65	21.7
M675603		1.98	0.066	3.04	6.84	144.0	620	1.43	0.92	2.59	36.2	45.7	24.0	14	17.05	34.6
M675604		5.04	<0.005	0.06	0.08	2.5	30	0.05	0.04	19.35	0.27	1.16	0.6	1	0.24	7.1
M675605		7.44	<0.005	0.20	6.84	13.3	1460	1.44	0.19	2.28	1.26	40.4	7.4	14	21.5	7.6
M675606		8.20	0.007	0.59	6.82	30.1	2260	1.58	0.19	1.95	2.11	40.7	4.5	14	21.1	44.6
M675607		3.51	0.010	0.95	6.87	41.5	2120	1.44	0.33	2.02	5.84	44.6	4.9	12	22.0	78.0
M675608		6.05	0.013	0.58	6.59	48.5	1700	1.40	0.31	2.15	3.58	46.1	6.1	18	16.10	52.8
M675609		2.44	0.230	2.47	6.56	356	500	1.31	0.99	2.27	20.8	60.6	14.6	14	13.45	14.2
M675610		7.02	0.026	0.26	7.22	23.7	1730	1.46	0.26	2.66	2.04	60.0	5.0	12	12.30	4.9
M675611		5.11	0.063	3.59	6.74	223	1930	1.41	1.37	2.16	35.2	89.7	2.8	14	11.35	48.8
M675612		<0.02	0.060	4.21	6.70	201	1770	1.37	1.48	2.10	38.5	89.1	4.0	16	11.10	60.4
M675613		5.99	0.020	1.42	6.28	18.5	1980	1.32	1.60	3.27	12.20	89.5	4.2	12	8.43	13.1
M675614		4.82	0.014	0.43	6.39	18.2	1720	1.29	0.66	2.52	1.29	61.3	11.9	11	17.80	8.2
M675615		2.20	<0.005	0.10	6.60	8.9	1990	1.55	0.17	2.33	0.16	41.1	5.7	10	14.40	7.4
M675616		2.42	0.160	12.20	6.38	139.0	240	1.53	10.30	1.54	21.4	44.8	10.8	10	17.65	129.0
M675617		4.50	<0.005	0.15	7.29	8.4	2300	1.55	0.53	2.29	0.29	48.7	8.6	12	11.85	11.2
M675618		2.00	0.010	1.80	7.12	66.3	1750	1.52	1.97	2.43	2.33	45.7	7.3	13	12.40	90.3
M675619		0.34	0.848	12.45	6.34	1545	260	1.53	13.15	1.85	32.6	45.4	18.1	18	14.20	278
M675620		2.05	1.525	22.6	5.71	5110	630	1.34	8.03	1.04	68.6	37.8	6.8	9	10.60	258
M675621		5.03	<0.005	0.05	0.06	4.2	50	0.06	0.03	19.60	0.13	1.11	0.6	1	0.16	2.1
M675622		3.04	0.203	5.79	7.10	534	200	1.58	5.02	1.23	26.7	51.2	8.0	10	17.65	63.2
M675623		1.94	<0.005	0.14	7.59	32.1	480	2.09	0.18	1.03	0.30	78.5	6.4	18	19.50	6.8
M675624		2.22	0.044	1.03	6.22	118.5	960	1.36	1.25	2.31	3.03	75.3	10.6	12	8.83	31.6
M675625		5.75	0.017	0.90	7.10	144.0	1290	1.61	0.52	2.03	2.67	50.3	6.5	10	24.7	35.7
M675626		3.21	0.027	1.00	6.55	119.5	3030	2.01	0.06	2.58	0.47	47.7	6.7	8	31.9	5.6
M675627		2.62	<0.005	0.18	6.52	56.3	1550	1.92	0.13	2.91	0.18	55.5	7.5	17	28.6	13.6
M675628		0.36	0.392	4.71	6.30	691	620	1.45	3.40	1.95	10.40	48.1	11.6	23	13.85	290
M675629		1.51	0.054	3.12	6.55	130.5	670	1.62	0.92	2.08	28.3	46.4	6.8	9	28.8	24.7
M675630		7.90	<0.005	0.29	7.05	23.1	1980	1.39	0.36	2.19	0.42	43.2	8.1	10	19.95	46.9
M675631		1.44	0.120	2.63	7.53	176.0	1330	1.71	2.47	3.71	19.50	46.7	11.4	10	22.2	61.9
M675632		3.33	0.011	0.49	7.06	15.4	2380	1.38	0.88	2.70	1.22	38.3	8.4	15	15.95	7.0
M675633		1.00	0.573	8.66	6.81	667	1410	1.49	9.87	2.79	63.3	47.2	7.1	12	18.90	192.5
M675634		3.09	0.042	0.28	6.62	83.8	3370	1.40	0.34	3.05	0.65	37.9	6.9	12	17.25	16.6

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 12-AUG-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15115569

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
M675599		2.76	15.55	0.14	1.1	0.036	2.87	18.0	66.4	0.46	434	1.48	0.75	7.6	2.2	560
M675600		3.13	15.20	0.13	1.2	0.043	2.46	20.7	231	0.60	1120	1.51	0.07	7.6	2.1	540
M675601		5.17	11.85	0.12	0.6	0.991	2.44	17.3	21.6	0.35	735	18.15	0.03	5.2	3.4	400
M675602		3.57	16.05	0.13	0.9	0.326	3.17	27.8	53.6	0.58	904	2.09	0.03	7.5	2.3	590
M675603		4.01	14.80	0.14	0.8	0.371	3.08	25.4	27.1	1.06	1680	2.26	0.03	6.6	2.8	540
M675604		0.47	0.27	0.20	<0.1	0.009	0.04	0.6	1.4	12.65	214	0.50	<0.01	0.1	1.7	180
M675605		2.67	15.20	0.17	1.0	0.045	2.71	20.3	135.5	0.73	663	1.97	0.15	7.5	2.3	570
M675606		3.99	15.45	0.14	0.9	0.074	2.83	20.7	128.0	0.66	1240	1.93	0.23	7.5	2.2	550
M675607		4.09	15.25	0.12	0.9	0.109	2.86	23.5	115.5	0.69	1260	1.49	0.29	7.3	2.3	530
M675608		3.28	14.10	0.15	0.7	0.080	2.73	24.8	104.0	0.85	1140	3.01	0.04	6.5	2.8	530
M675609		4.62	14.45	0.13	0.8	0.221	3.18	32.8	20.7	0.93	1300	2.36	0.03	6.4	3.2	500
M675610		2.60	15.10	0.14	0.8	0.175	3.06	35.3	118.5	0.90	943	1.39	0.07	6.4	2.1	560
M675611		4.01	15.60	0.15	0.8	0.402	3.06	54.5	25.8	0.83	1960	1.00	0.09	6.4	1.7	530
M675612		3.99	15.25	0.16	0.7	0.430	2.96	54.6	24.5	0.82	1940	1.06	0.09	6.3	1.9	520
M675613		2.44	15.65	0.15	0.7	0.308	2.66	51.1	26.9	0.77	1360	0.73	0.14	6.0	2.0	550
M675614		2.56	14.95	0.14	0.7	0.118	2.24	34.0	43.1	0.82	938	0.59	0.09	5.9	2.3	550
M675615		2.73	16.60	0.15	1.1	0.043	2.58	20.0	35.2	0.61	410	1.60	0.56	8.5	2.2	590
M675616		4.67	14.55	0.13	0.7	0.756	3.06	23.5	25.0	0.61	753	2.10	0.04	4.7	2.8	490
M675617		2.90	16.20	0.14	0.9	0.048	2.82	25.3	21.3	0.66	423	1.01	1.40	7.7	2.4	600
M675618		3.29	16.55	0.13	1.0	0.163	3.43	23.2	18.3	0.65	1200	1.46	0.58	7.9	2.3	580
M675619		6.36	15.00	0.12	0.8	0.760	2.82	24.4	20.8	0.75	1760	8.28	0.12	6.2	12.0	520
M675620		5.72	13.40	0.12	0.6	0.843	2.73	19.4	11.8	0.51	1060	1.77	0.03	5.7	2.0	440
M675621		0.47	0.20	0.12	<0.1	0.005	0.03	0.5	1.0	12.25	202	0.13	<0.01	0.1	1.6	190
M675622		4.12	16.25	0.14	0.9	0.248	3.19	26.5	13.5	0.61	1080	10.70	0.03	7.2	2.9	600
M675623		2.58	19.60	0.17	4.8	0.030	2.25	41.3	357	0.63	616	1.83	0.04	11.3	5.6	1220
M675624		2.73	14.35	0.15	0.7	0.183	3.06	44.8	11.7	0.73	2040	2.95	0.03	5.1	2.9	490
M675625		2.64	15.40	0.14	0.9	0.104	3.18	26.8	41.7	0.74	1400	1.52	0.05	7.3	2.2	560
M675626		2.21	16.30	0.15	3.1	0.031	2.70	24.2	39.2	0.84	1080	2.04	0.06	9.0	4.2	700
M675627		2.57	17.55	0.16	3.5	0.033	2.13	27.7	169.0	0.92	654	1.45	0.04	10.6	6.5	1080
M675628		4.75	14.55	0.12	0.8	0.289	2.87	27.8	26.9	0.75	1800	13.50	0.14	5.7	14.0	490
M675629		3.29	14.75	0.12	0.9	0.296	2.63	25.1	32.2	0.73	2760	1.59	0.03	7.0	2.5	530
M675630		2.97	16.00	0.27	1.0	0.058	2.89	21.2	128.5	0.67	907	5.74	0.45	7.8	34.1	600
M675631		3.61	18.50	0.22	2.5	0.519	3.33	23.8	38.3	1.21	1200	5.02	0.06	9.1	6.2	700
M675632		3.27	16.75	0.29	1.0	0.079	2.76	18.3	46.6	0.71	722	7.29	1.18	8.5	3.2	650
M675633		4.74	15.30	0.20	1.3	2.43	2.81	25.5	14.6	1.04	1980	5.18	0.03	7.1	2.8	510
M675634		2.83	15.45	0.25	1.0	0.052	3.02	18.4	35.7	0.86	1020	4.44	0.49	7.7	3.0	550

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Finalized Date: 12-AUG-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15115569

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
M675599		21.6	114.0	<0.002	0.04	8.92	8.8	1	1.3	200	0.69	<0.05	11.5	0.239	1.55	3.9
M675600		168.5	96.8	<0.002	0.24	22.2	9.0	1	1.7	151.5	0.68	<0.05	12.0	0.223	1.77	4.9
M675601		1320	165.0	<0.002	4.88	70.9	6.8	1	5.2	26.4	0.44	0.10	9.0	0.168	2.61	6.3
M675602		1320	202	<0.002	1.93	12.95	9.6	1	3.6	89.7	0.63	<0.05	14.1	0.239	3.04	5.4
M675603		1570	177.5	<0.002	1.79	10.75	9.1	1	3.5	80.0	0.57	0.13	12.2	0.222	2.92	4.4
M675604		9.5	1.8	<0.002	0.01	0.29	0.2	1	<0.2	45.5	<0.05	<0.05	<0.2	<0.005	0.02	0.6
M675605		44.9	105.5	<0.002	0.31	9.76	8.9	1	1.6	154.0	0.66	0.05	11.7	0.240	1.97	4.2
M675606		274	115.5	<0.002	0.28	31.6	9.0	1	2.2	128.5	0.64	<0.05	11.8	0.235	2.30	4.5
M675607		311	125.5	<0.002	0.36	39.9	9.2	1	2.2	131.0	0.62	<0.05	12.6	0.231	2.35	5.3
M675608		157.0	140.5	<0.002	0.43	28.5	8.6	1	1.8	91.0	0.55	0.05	12.0	0.213	2.49	5.6
M675609		707	206	<0.002	3.00	10.80	9.9	<1	3.7	60.3	0.53	0.10	12.1	0.201	3.20	6.7
M675610		37.4	151.5	<0.002	0.43	7.11	9.7	<1	2.0	97.9	0.56	<0.05	13.6	0.211	2.61	6.4
M675611		1180	157.0	<0.002	1.04	8.90	9.3	1	3.9	66.9	0.54	<0.05	13.7	0.193	3.09	4.5
M675612		1290	160.0	<0.002	1.10	9.96	8.9	1	3.9	65.0	0.54	0.05	13.3	0.193	3.05	4.3
M675613		346	114.0	<0.002	0.77	6.16	9.2	1	3.3	96.2	0.52	0.06	11.3	0.198	2.64	3.4
M675614		67.9	114.0	<0.002	1.02	12.20	9.6	1	3.0	112.5	0.48	0.12	12.3	0.192	2.08	3.2
M675615		21.9	91.8	<0.002	0.15	7.17	10.9	1	1.7	168.5	0.71	0.05	12.8	0.251	1.24	3.7
M675616		1370	169.5	<0.002	4.47	20.9	9.1	1	4.1	56.9	0.39	0.40	12.0	0.154	2.56	4.1
M675617		29.7	109.5	<0.002	1.01	4.37	10.0	1	1.6	265	0.63	0.14	14.0	0.248	1.38	4.3
M675618		163.0	155.0	<0.002	1.11	11.40	10.0	1	3.0	154.0	0.69	0.09	14.3	0.244	2.52	4.3
M675619		1260	164.0	<0.002	4.45	64.0	8.7	2	7.7	94.6	0.51	1.35	12.2	0.200	2.57	5.4
M675620		3800	181.5	<0.002	5.51	88.6	7.8	1	6.8	70.6	0.46	0.20	10.6	0.179	2.70	2.1
M675621		6.2	1.5	<0.002	0.02	0.21	0.1	<1	<0.2	43.8	<0.05	<0.05	0.2	<0.005	<0.02	0.8
M675622		1170	198.5	<0.002	3.42	20.8	9.5	1	6.4	108.0	0.59	0.11	13.5	0.230	3.31	4.6
M675623		27.4	91.6	<0.002	0.07	15.85	5.8	1	1.5	752	0.73	<0.05	11.0	0.334	1.20	5.0
M675624		120.5	195.5	<0.002	1.60	8.25	8.1	1	3.5	82.6	0.44	0.14	11.6	0.168	2.35	3.6
M675625		117.5	155.0	<0.002	0.67	11.25	9.3	<1	1.9	159.0	0.62	0.07	13.4	0.244	2.80	4.7
M675626		30.4	106.0	<0.002	0.26	10.05	6.7	1	1.1	297	0.70	<0.05	9.1	0.267	2.18	4.8
M675627		20.3	78.4	<0.002	0.12	14.45	6.2	<1	1.5	530	0.68	<0.05	8.5	0.309	1.74	3.8
M675628		463	155.0	0.004	2.50	27.7	8.4	1	5.2	103.5	0.48	0.29	11.7	0.195	2.41	5.3
M675629		962	148.5	<0.002	1.42	13.35	8.9	1	2.8	171.5	0.57	0.06	12.3	0.222	2.96	4.6
M675630		55.7	122.5	0.007	0.33	8.60	10.6	1	2.0	223	0.57	0.05	10.9	0.262	2.05	2.7
M675631		204	149.5	<0.002	0.76	12.70	8.8	1	2.9	295	0.65	<0.05	10.3	0.278	2.87	5.8
M675632		45.4	118.0	0.002	1.31	2.24	12.0	1	1.9	331	0.57	0.26	10.2	0.279	1.90	3.7
M675633		589	175.5	<0.002	2.18	15.05	9.8	1	2.7	186.0	0.52	0.13	11.5	0.222	2.93	4.3
M675634		25.8	128.0	<0.002	0.61	3.69	10.0	1	1.6	292	0.57	0.07	9.7	0.247	2.61	3.9

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
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Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 12-AUG-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15115569

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	V	W	Y	Zn	Zr
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	1	0.1	0.1	2	0.5
M675599		65	3.6	14.1	53	34.2
M675600		61	4.1	13.8	205	33.8
M675601		50	4.7	9.4	3590	22.6
M675602		64	3.5	12.7	1980	29.6
M675603		61	4.1	12.9	2580	27.3
M675604		2	0.1	0.7	31	0.7
M675605		65	2.1	14.2	124	31.6
M675606		65	4.5	13.6	175	29.6
M675607		62	4.3	14.3	388	28.1
M675608		62	2.7	13.0	296	24.5
M675609		62	4.6	12.3	1740	24.5
M675610		67	1.9	13.8	211	27.3
M675611		60	2.7	13.0	2520	26.6
M675612		58	2.6	12.7	2770	24.4
M675613		62	1.6	13.3	854	23.3
M675614		63	1.8	13.6	134	23.6
M675615		70	2.3	15.7	46	34.6
M675616		57	2.7	12.8	2310	26.4
M675617		68	1.5	15.9	67	31.0
M675618		68	2.8	14.8	269	32.7
M675619		62	5.9	12.1	2340	28.7
M675620		51	5.4	8.2	5340	24.3
M675621		2	0.1	0.7	20	<0.5
M675622		66	5.4	11.3	1790	31.4
M675623		57	1.8	11.9	87	194.0
M675624		52	3.5	11.8	285	25.3
M675625		68	2.9	13.7	274	30.7
M675626		65	3.3	12.9	95	117.0
M675627		65	2.7	12.0	78	143.5
M675628		63	5.2	11.6	836	29.2
M675629		63	5.7	12.5	2160	31.5
M675630		71	3.4	13.5	97	26.8
M675631		72	8.0	14.9	1280	92.6
M675632		83	2.7	14.0	110	26.5
M675633		59	4.4	13.3	4250	39.4
M675634		65	4.3	13.2	78	28.0

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 12-AUG-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15115569

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	ME-MS61

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 14-AUG-2015
Account: ROCKHA

CERTIFICATE WH15115573

Project: KLAZA

P.O. No.: BATCH 91

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 2-AUG-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21d	Sample logging - ClientBarCode Dup
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
BAG-06	Double Bagging Coarse Rejects
SPL-21d	Split sample - duplicate
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31d	Pulverize Split - duplicate

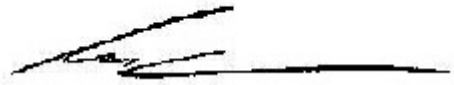
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Zn-OG62	Ore Grade Zn - Four Acid	VARIABLE
As-OG62	Ore Grade As - Four Acid	VARIABLE
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.

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Finalized Date: 14-AUG-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15115573

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	Au-AA24 Au ppm 0.005	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05	ME-MS61 Cu ppm 0.2
K289467		2.91	<0.005	0.15	7.11	14.4	1900	1.63	1.26	2.45	0.19	49.0	7.8	10	19.80	24.0
K289468		1.38	<0.005	0.13	7.02	12.5	2220	1.62	2.16	2.56	0.17	47.6	7.2	9	17.70	36.6
K289469		7.83	<0.005	0.09	7.36	14.1	1500	1.55	0.19	3.06	0.21	47.9	7.3	10	20.6	13.7
K289470		5.69	<0.005	0.10	7.07	19.2	1410	1.66	0.13	2.79	0.12	46.0	7.0	9	19.60	9.3
K289471		1.98	0.182	1.47	6.57	153.0	260	1.50	1.77	1.74	5.90	40.6	44.2	8	13.65	28.3
K289472		2.28	0.014	0.83	6.84	51.8	1750	1.92	0.23	2.56	5.69	46.6	9.1	10	21.0	20.7
K289473		0.60	3.21	13.35	4.89	>10000	200	1.20	0.65	2.49	117.5	34.4	9.4	6	9.45	179.5
K289474		5.06	<0.005	0.03	0.06	19.3	30	<0.05	0.03	20.4	0.30	1.02	0.5	1	0.14	2.1
K289475		5.52	0.042	0.86	7.32	43.9	1570	1.71	0.14	2.18	2.91	44.5	7.4	10	19.80	30.6
K289476		3.29	0.012	0.33	7.22	39.4	760	1.55	0.17	2.98	1.02	53.6	10.6	9	21.4	15.1
K289477		0.29	0.894	11.95	6.43	1590	160	1.47	12.90	1.80	33.6	44.4	18.7	19	13.80	269
K289478		1.11	0.028	0.81	7.38	277	750	1.79	0.06	1.70	3.04	49.4	7.8	8	22.3	8.8
K289479		1.79	0.006	0.46	6.66	25.5	1070	2.09	0.15	3.36	0.58	57.6	5.5	15	21.4	11.6
K289480		6.20	0.005	0.26	7.10	39.8	1330	2.18	0.12	2.79	0.83	70.1	8.8	27	27.5	16.6
K289481		3.32	<0.005	0.16	7.01	43.1	1500	2.14	0.21	2.84	0.44	68.5	5.0	13	29.1	7.5
K289482		1.81	0.050	2.41	7.26	88.4	1590	2.01	0.35	3.06	2.61	72.2	4.7	12	26.6	17.8
K289483		<0.02	0.051	2.36	7.08	89.6	1780	2.02	0.37	3.14	3.09	68.6	4.7	12	25.7	19.2
K289484		1.73	0.511	7.28	7.21	336	260	1.54	3.71	1.52	12.95	44.5	8.6	9	9.49	79.0
K289485		0.97	0.791	11.10	4.04	1095	70	0.76	6.59	0.67	61.9	52.8	233	6	4.00	85.6
K289486		1.61	0.017	0.91	7.62	30.8	1470	1.49	0.62	1.70	2.38	48.7	23.8	10	17.80	15.4
K289487		6.13	<0.005	0.11	7.33	30.7	1990	1.70	0.15	2.78	0.25	50.6	9.0	11	14.65	11.6
K289488		1.92	0.019	1.29	6.80	123.5	3140	1.58	0.12	3.04	7.50	43.9	6.8	9	24.6	8.2
K289489		0.97	0.695	17.20	4.34	817	540	0.78	5.05	3.19	446	27.1	45.3	6	6.01	162.5
K289490		4.89	<0.005	0.03	0.09	0.6	40	0.06	0.03	20.6	0.40	1.24	0.6	1	0.24	1.4
K289491		1.71	<0.005	0.34	6.69	17.7	1560	1.33	0.11	2.96	1.32	44.3	7.1	8	19.15	9.5
K289492		1.02	0.017	0.94	6.42	742	960	1.24	0.69	4.37	0.80	64.1	9.2	8	17.80	16.6
K289493		12.80	0.029	2.93	8.07	315	2700	1.32	0.55	0.25	3.84	56.3	8.7	12	29.0	17.2
K289494		7.61	0.026	2.51	8.20	203	2580	1.70	4.61	0.42	3.27	55.6	8.8	12	37.5	21.6
K289495		4.80	0.031	4.67	7.79	352	2200	1.75	0.31	0.24	11.15	47.9	7.3	7	36.5	10.8
K289496		8.80	0.018	5.87	7.81	193.5	1950	1.76	0.14	0.48	3.29	51.1	7.4	10	30.4	11.7
K289497		0.29	0.401	4.57	6.76	732	540	1.56	3.73	2.03	10.85	52.7	11.9	27	14.70	320
K289498		5.84	0.020	3.17	7.51	329	2560	2.01	0.31	0.31	4.64	52.2	8.6	10	34.7	14.3
K289499		3.38	0.013	2.91	7.16	5.4	2100	1.47	7.79	1.55	0.18	44.9	8.3	13	6.37	358
K289500		2.98	0.006	1.13	7.29	9.1	2270	1.60	4.92	1.37	0.21	48.3	7.8	13	7.13	136.5
K289501		5.84	<0.005	0.42	6.18	13.6	1570	1.50	10.55	3.15	0.27	43.3	7.7	12	17.55	16.3
K289502		8.87	<0.005	0.30	6.17	10.1	2190	1.55	1.91	3.01	0.20	38.7	7.5	18	9.77	61.6

***** See Appendix Page for comments regarding this certificate *****

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VANCOUVER BC V6B 1L8

Finalized Date: 14-AUG-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15115573

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
K289467		2.87	16.45	0.10	1.0	0.066	2.31	25.7	84.3	0.85	879	0.63	0.06	8.5	2.4	630
K289468		2.88	15.65	0.10	0.9	0.065	2.27	25.1	85.1	0.91	895	0.49	0.06	8.0	2.2	600
K289469		2.88	15.75	0.11	0.9	0.051	2.44	25.4	71.5	0.99	936	0.96	0.21	8.1	2.3	620
K289470		2.92	15.85	0.11	1.0	0.047	2.55	24.2	52.5	0.86	885	0.67	0.23	8.0	2.3	620
K289471		5.78	15.40	0.10	0.8	0.200	2.33	21.1	44.7	0.86	1410	1.50	0.04	7.3	2.6	550
K289472		3.20	16.30	0.10	1.0	0.063	3.06	23.3	36.2	0.91	1860	1.14	0.06	8.8	2.6	660
K289473		7.18	11.05	0.11	0.6	0.376	2.24	18.4	13.6	0.88	5770	2.21	0.02	4.7	2.7	400
K289474		0.44	0.19	0.06	<0.1	0.005	0.02	0.5	1.1	13.15	207	0.07	<0.01	0.1	1.3	180
K289475		3.29	15.90	0.10	1.0	0.085	2.85	22.1	61.1	0.85	1780	1.11	0.31	8.3	2.2	660
K289476		3.62	15.30	0.10	1.2	0.090	2.97	29.5	26.4	1.17	2710	0.87	0.05	7.3	2.5	590
K289477		6.51	15.55	0.11	1.1	0.812	2.83	23.0	17.8	0.76	1800	8.65	0.12	6.4	11.4	530
K289478		3.52	16.50	0.10	1.3	0.096	2.56	25.9	107.5	0.70	3640	1.88	0.05	8.6	2.3	610
K289479		2.36	16.60	0.11	3.0	0.030	2.18	30.8	90.5	1.27	1130	1.25	0.05	10.2	4.5	970
K289480		2.91	17.80	0.12	3.6	0.037	2.02	37.2	155.0	1.32	939	1.19	0.05	11.6	9.1	1420
K289481		2.46	17.70	0.12	2.3	0.028	1.41	35.7	185.5	1.05	898	1.52	0.04	12.4	2.9	870
K289482		2.49	17.25	0.13	2.3	0.065	1.23	39.3	173.5	0.99	1150	1.12	0.03	12.2	2.7	860
K289483		2.52	17.55	0.10	2.3	0.069	1.22	35.1	177.5	0.97	1170	1.19	0.03	12.2	2.6	880
K289484		4.99	16.70	0.11	1.0	0.158	3.29	23.5	6.8	0.49	2670	0.84	0.02	6.9	2.6	570
K289485		11.05	11.45	0.12	0.6	1.425	1.91	28.2	6.7	0.34	7390	2.55	0.02	3.6	4.3	340
K289486		3.84	16.60	0.10	1.1	0.074	2.92	25.1	41.5	0.79	1740	0.99	0.07	8.3	2.5	650
K289487		3.32	16.60	0.11	1.3	0.062	2.84	25.7	17.2	0.90	1360	0.84	1.36	8.4	2.7	640
K289488		3.06	14.35	0.10	1.1	0.083	2.82	22.5	73.0	1.02	2930	0.88	0.08	7.1	2.2	600
K289489		6.99	10.95	0.05	0.7	2.18	1.88	11.9	14.4	1.19	2920	3.62	0.02	4.1	2.0	350
K289490		0.50	0.27	0.08	<0.1	0.009	0.04	0.6	1.4	13.10	232	0.11	0.01	0.2	1.7	190
K289491		2.95	14.85	0.10	1.3	0.058	2.70	21.0	39.6	0.61	1890	0.85	0.20	7.7	2.2	610
K289492		4.29	12.65	0.08	0.9	0.361	2.92	34.4	15.3	1.40	5200	0.74	0.04	6.3	2.5	520
K289493		3.14	16.15	0.11	1.5	0.055	2.79	31.0	51.0	0.17	1260	5.34	0.07	8.8	2.5	610
K289494		2.99	16.75	0.11	1.4	0.051	2.64	29.9	48.9	0.21	972	4.68	0.18	8.6	2.7	710
K289495		3.03	16.80	0.11	1.5	0.053	3.55	27.4	30.7	0.22	3800	10.05	0.12	8.9	3.7	620
K289496		3.25	16.40	0.12	1.3	0.041	3.13	24.9	96.7	0.23	1080	3.19	0.93	8.0	3.0	730
K289497		5.18	15.15	0.13	1.0	0.307	3.07	29.9	30.0	0.78	1960	14.50	0.15	6.2	14.9	530
K289498		3.04	15.95	0.13	1.2	0.046	3.11	28.1	39.9	0.23	3180	8.55	0.37	8.0	2.9	610
K289499		3.38	15.30	0.14	1.7	0.050	2.35	22.2	13.5	0.88	896	0.94	2.54	7.9	2.8	630
K289500		3.57	15.20	0.13	1.6	0.049	2.46	24.7	12.5	0.80	904	1.06	2.34	7.8	2.9	650
K289501		3.03	13.85	0.14	1.3	0.058	2.37	21.8	31.7	0.92	1350	1.11	0.56	6.9	2.7	570
K289502		2.95	14.45	0.14	1.3	0.046	2.52	19.1	27.4	0.84	930	4.40	1.33	7.1	2.7	610

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 14-AUG-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15115573

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
K289467		11.9	94.6	<0.002	0.13	15.15	12.0	1	2.2	180.0	0.60	<0.05	12.2	0.277	1.48	3.5
K289468		11.6	94.5	<0.002	0.12	14.40	11.5	1	3.9	187.5	0.59	<0.05	12.5	0.268	1.43	3.9
K289469		15.2	115.5	<0.002	0.13	11.40	11.7	1	1.8	216	0.57	<0.05	12.2	0.279	1.61	3.2
K289470		12.4	113.5	<0.002	0.11	11.70	11.6	1	1.7	194.5	0.58	<0.05	12.0	0.274	1.54	3.9
K289471		332	124.0	0.002	2.65	11.55	10.8	1	3.2	119.0	0.49	0.64	10.3	0.241	1.55	4.5
K289472		178.0	130.0	<0.002	0.39	13.40	12.1	1	2.2	175.0	0.60	<0.05	11.5	0.282	2.27	5.1
K289473		2470	162.5	<0.002	4.73	133.5	7.2	1	4.0	77.6	0.37	0.09	7.4	0.171	2.03	4.7
K289474		6.3	1.4	<0.002	0.01	0.16	0.1	<1	<0.2	47.8	<0.05	<0.05	<0.2	<0.005	0.02	0.5
K289475		190.0	123.5	<0.002	0.43	13.45	11.6	1	2.3	193.5	0.58	<0.05	10.9	0.289	1.82	3.0
K289476		54.7	176.0	<0.002	0.72	12.00	10.8	1	2.3	173.5	0.61	<0.05	14.1	0.257	2.48	4.9
K289477		1250	169.0	<0.002	4.54	66.8	9.1	2	7.8	97.6	0.52	1.10	11.5	0.204	2.53	5.0
K289478		246	127.5	<0.002	0.78	19.05	11.7	1	2.7	150.0	0.66	<0.05	13.8	0.269	2.03	4.6
K289479		34.8	126.0	<0.002	0.14	31.4	6.0	1	1.6	397	0.62	<0.05	8.6	0.273	2.17	7.1
K289480		29.2	107.0	<0.002	0.11	31.2	6.8	1	1.4	516	0.67	<0.05	7.7	0.369	2.07	4.5
K289481		11.6	67.0	<0.002	0.07	19.25	5.5	1	1.5	362	0.72	<0.05	10.0	0.257	1.51	4.9
K289482		104.0	69.1	<0.002	0.30	23.2	5.6	1	2.2	387	0.75	<0.05	10.9	0.258	1.16	5.0
K289483		86.2	54.0	<0.002	0.32	24.4	5.6	1	2.2	392	0.76	<0.05	10.7	0.259	1.23	4.9
K289484		680	201	<0.002	4.60	35.2	11.0	1	8.8	88.6	0.49	0.09	10.9	0.256	2.80	4.1
K289485		871	108.0	0.003	>10.0	24.9	5.6	3	4.6	26.7	0.28	3.72	5.0	0.140	1.64	2.5
K289486		138.5	122.0	<0.002	0.51	11.35	11.6	1	2.4	126.5	0.56	0.34	11.6	0.285	1.70	3.4
K289487		20.6	123.5	<0.002	0.10	5.09	12.1	1	2.0	336	0.60	<0.05	12.4	0.283	1.54	3.6
K289488		436	119.0	<0.002	0.73	13.15	11.3	<1	2.4	215	0.65	<0.05	9.8	0.260	2.81	5.4
K289489		1790	119.5	<0.002	7.78	60.5	6.5	1	12.9	94.7	0.37	0.53	6.5	0.157	1.60	4.3
K289490		3.8	1.8	<0.002	0.01	0.17	0.2	<1	<0.2	49.4	<0.05	<0.05	<0.2	0.005	0.03	0.7
K289491		79.2	102.0	<0.002	0.12	12.10	10.6	1	2.0	174.5	0.75	<0.05	10.8	0.270	1.64	3.5
K289492		88.1	204	<0.002	0.88	35.2	11.0	1	2.0	143.5	0.56	<0.05	10.1	0.235	2.62	5.4
K289493		95.8	136.0	<0.002	0.05	12.10	12.6	1	1.7	91.1	0.82	<0.05	14.7	0.284	1.86	5.4
K289494		73.9	131.0	<0.002	0.04	9.02	12.8	1	2.8	99.8	0.78	<0.05	15.4	0.297	2.06	4.6
K289495		46.1	178.5	<0.002	0.02	15.60	11.8	1	1.8	85.7	0.86	<0.05	12.7	0.261	2.91	5.3
K289496		22.5	139.0	<0.002	<0.01	7.19	12.3	1	1.5	143.0	0.65	<0.05	14.8	0.283	1.83	4.0
K289497		503	167.0	0.005	2.73	28.3	8.6	1	5.6	114.0	0.51	0.36	12.6	0.217	2.53	5.5
K289498		59.6	163.0	<0.002	0.02	16.05	10.3	1	1.6	95.7	0.65	<0.05	14.2	0.267	2.83	5.0
K289499		18.2	89.1	<0.002	0.02	2.42	10.4	1	2.3	245	0.66	0.22	13.5	0.273	1.24	1.7
K289500		21.9	96.0	<0.002	0.02	2.85	11.4	1	2.3	255	0.63	0.11	14.9	0.285	1.29	1.9
K289501		26.7	90.3	<0.002	0.10	14.90	9.6	1	1.8	163.5	0.53	0.17	12.1	0.250	1.67	5.5
K289502		16.3	94.3	0.002	0.06	8.03	9.5	1	2.0	262	0.52	<0.05	10.2	0.256	1.56	3.6

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 14-AUG-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15115573

Sample Description	Method Analyte Units LOR	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Zn-OG62 Zn % 0.001	As-OG62 As % 0.001
K289467		80	1.7	14.8	60	26.2		
K289468		76	1.6	14.8	57	24.8		
K289469		82	2.1	15.3	59	24.5		
K289470		77	2.9	14.7	51	25.2		
K289471		70	6.9	11.8	642	21.8		
K289472		84	3.3	16.5	433	26.0		
K289473		56	2.9	12.3	7720	16.4		2.10
K289474		2	0.1	0.7	29	<0.5		
K289475		83	4.0	14.8	274	26.6		
K289476		75	4.3	16.8	150	28.7		
K289477		62	6.0	11.7	2350	29.7		
K289478		77	5.1	13.6	235	31.7		
K289479		58	1.8	14.0	77	125.0		
K289480		72	4.6	14.1	121	154.5		
K289481		52	2.0	14.1	97	85.2		
K289482		50	2.5	14.1	293	79.2		
K289483		51	2.5	13.4	347	80.0		
K289484		74	6.6	10.3	1050	25.0		
K289485		50	7.2	7.4	5890	14.3		
K289486		81	4.8	15.4	312	31.3		
K289487		82	1.9	16.1	75	32.2		
K289488		75	5.5	13.7	517	27.0		
K289489		45	5.2	6.7	>10000	17.2	3.26	
K289490		2	0.1	0.8	43	<0.5		
K289491		78	2.8	16.4	164	32.7		
K289492		71	4.1	27.5	142	24.3		
K289493		74	15.2	18.7	326	38.4		
K289494		80	11.3	19.1	281	36.9		
K289495		74	4.9	19.5	374	39.5		
K289496		79	4.2	16.1	317	36.0		
K289497		68	5.6	12.4	900	32.9		
K289498		77	7.9	18.6	312	35.2		
K289499		77	1.3	13.5	108	50.6		
K289500		77	1.7	14.0	113	50.7		
K289501		73	2.4	13.1	142	41.3		
K289502		78	2.6	11.5	107	40.1		

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: KLAZA

Finalized Date: 14-AUG-2015
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH15115573

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

As-OG62	Au-AA24	ME-MS61	ME-OG62
Zn-OG62			

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 17-AUG-2015
Account: ROCKHA

CERTIFICATE WH15115575

Project: KLAZA

P.O. No.: BATCH 92

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 2-AUG-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21d	Sample logging - ClientBarCode Dup
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
BAG-06	Double Bagging Coarse Rejects
SPL-21d	Split sample - duplicate
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31d	Pulverize Split - duplicate

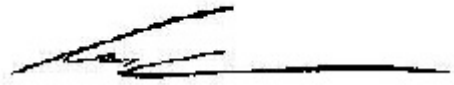
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Zn-OG62	Ore Grade Zn - Four Acid	VARIABLE
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.

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Finalized Date: 17-AUG-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15115575

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
M675635		3.77	0.078	3.74	7.45	136.0	720	1.70	2.21	2.03	12.10	48.7	7.2	14	11.60	93.6
M675636		7.86	0.007	0.65	7.93	24.6	2960	1.71	0.64	2.76	0.94	47.6	8.2	14	14.05	16.2
M675637		1.12	0.873	16.90	6.74	654	200	1.46	13.05	0.68	135.0	51.2	5.9	9	8.46	386
M675638		5.28	<0.005	0.07	0.09	0.9	40	0.06	0.04	21.0	0.19	1.43	0.8	4	0.18	2.9
M675639		1.55	0.062	2.82	7.40	174.0	730	1.74	0.95	3.39	16.80	49.3	7.1	9	23.4	43.4
M675640		4.06	0.016	0.55	7.35	19.6	2260	1.86	0.42	2.90	0.23	45.4	6.9	15	11.20	136.5
M675641		0.42	0.373	4.54	6.82	726	450	1.49	3.13	2.09	10.85	44.6	11.8	28	12.25	317
M675642		2.72	0.360	4.59	7.15	223	510	1.48	2.86	2.07	46.4	47.1	8.3	10	13.40	97.4
M675643		1.75	0.005	0.56	6.89	42.7	1690	1.70	0.28	3.22	4.61	39.4	6.8	12	16.75	19.0
M675644		6.53	<0.005	0.20	7.69	15.8	2290	1.67	0.20	2.67	0.21	43.3	7.1	14	16.00	41.2
M675645		3.28	<0.005	0.14	7.32	20.7	1400	1.39	0.15	1.89	0.15	40.2	6.5	13	23.9	20.5
M675646		5.87	0.022	0.85	7.71	36.7	1010	1.62	1.21	1.79	1.22	48.6	9.3	11	14.95	6.6
M675647		5.53	0.013	0.22	6.99	12.2	1260	1.48	1.44	2.54	0.30	42.6	8.9	10	11.10	10.8
M675648		2.99	0.013	0.18	6.92	12.3	1150	1.59	1.14	2.54	0.22	39.0	8.2	12	8.66	7.3
M675649		6.01	0.025	0.35	7.13	19.3	2860	1.57	0.67	2.59	0.17	43.2	7.4	12	14.30	12.1
M675650		1.04	0.069	3.42	7.50	136.5	1010	1.78	17.40	2.28	4.52	55.7	6.8	10	12.40	74.3
M675651		1.41	0.074	4.05	6.87	146.0	1030	1.73	2.06	2.09	8.57	44.0	6.7	9	13.95	32.5
M675652		6.00	0.018	0.63	6.76	28.1	2240	1.43	0.75	2.61	7.54	37.6	7.6	11	11.00	25.6
M675653		2.09	0.024	1.08	7.18	29.6	2710	1.63	1.20	2.80	2.08	45.6	8.1	13	21.1	16.0
M675654		3.70	0.021	0.91	7.15	37.2	2520	1.51	0.42	2.80	0.50	45.6	7.9	16	19.35	7.8
M675655		6.50	0.005	0.19	6.77	17.0	1640	1.67	0.34	2.38	1.17	35.5	6.8	11	15.95	8.1
M675656		<0.02	0.005	0.21	7.29	17.2	1630	1.76	0.34	2.45	1.48	39.0	6.7	12	16.55	8.1
M675657		5.84	0.040	1.14	7.17	39.7	1110	1.65	2.19	2.53	4.39	49.4	9.4	7	12.10	18.1
M675658		4.95	<0.005	0.10	6.70	8.8	2480	1.42	0.21	2.62	0.16	35.5	6.0	13	17.30	3.6
M675659		4.75	0.037	0.55	6.64	80.2	1440	1.53	0.22	2.80	0.17	43.4	5.4	7	25.1	8.8
M675660		7.64	0.006	0.10	7.16	7.1	3100	1.55	0.46	2.33	0.25	47.5	7.8	9	12.55	11.0
M675661		6.95	0.010	0.13	6.52	17.0	2970	1.26	0.39	2.48	0.67	40.0	7.4	8	15.55	9.0
M675662		0.59	0.894	12.35	6.29	1570	280	1.42	12.20	1.78	31.3	44.3	17.1	18	13.95	284
M675663		3.36	0.009	0.31	6.52	20.6	1890	1.59	0.60	3.72	0.36	44.1	6.4	6	26.2	12.0
M675664		5.14	<0.005	0.01	0.09	0.7	30	0.06	0.02	20.7	0.06	1.31	0.5	<1	0.23	1.6
M675665		2.48	0.017	0.79	6.66	24.6	660	1.27	1.12	2.59	1.71	42.2	11.6	7	23.7	24.8
M675666		10.18	0.005	0.11	6.64	9.4	2520	1.39	0.46	2.59	0.27	37.4	6.1	8	22.9	7.1
M675667		8.94	0.009	0.15	6.79	11.3	2930	1.48	0.42	2.38	0.55	39.4	6.6	8	20.3	8.8
M675668		4.02	0.125	0.89	6.51	81.2	700	1.76	0.82	2.34	6.77	37.8	8.0	8	18.65	20.2
M675669		7.10	0.007	0.34	6.94	10.7	2260	1.51	0.41	2.02	0.72	42.2	6.1	7	17.45	7.4
M675670		6.01	0.006	0.18	7.06	16.5	2600	1.56	0.33	2.43	0.64	44.1	7.1	8	13.80	8.0

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

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www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 17-AUG-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15115575

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
M675635		4.32	16.00	0.15	1.0	0.236	3.62	28.4	26.5	0.71	1540	11.50	0.15	6.8	2.3	570
M675636		3.56	17.15	0.16	1.1	0.070	3.21	24.9	12.6	0.84	926	5.68	1.73	7.8	2.5	640
M675637		6.34	15.85	0.15	1.0	2.64	3.13	26.7	7.2	0.47	695	5.17	0.03	7.5	2.3	600
M675638		0.51	0.28	0.06	<0.1	0.009	0.04	0.7	1.4	13.35	215	0.11	0.01	0.2	1.9	200
M675639		3.61	17.00	0.16	1.1	0.213	3.26	27.0	22.0	1.12	2390	2.91	0.04	7.9	2.3	610
M675640		3.14	17.20	0.12	1.1	0.100	3.05	22.8	22.2	0.80	866	2.34	1.69	8.4	2.3	670
M675641		5.16	15.80	0.15	1.1	0.289	3.01	26.1	26.9	0.79	1960	15.35	0.15	6.0	13.9	550
M675642		5.66	16.30	0.16	0.9	0.612	3.26	26.2	9.1	0.96	2410	1.47	0.02	6.8	2.2	560
M675643		2.98	17.10	0.16	0.9	0.139	3.88	18.8	40.0	0.66	1840	4.34	0.22	7.9	2.3	650
M675644		3.04	17.50	0.14	1.0	0.059	2.95	22.1	66.3	0.70	794	2.85	1.19	8.1	2.3	660
M675645		2.93	17.75	0.14	1.0	0.050	2.43	20.1	223	0.60	880	1.69	0.05	8.0	2.0	650
M675646		3.16	17.00	0.18	1.0	0.066	3.15	27.5	167.5	0.75	1010	2.18	0.04	6.3	2.3	590
M675647		3.01	16.25	0.08	1.0	0.041	2.65	21.3	64.5	0.70	527	0.88	1.31	6.7	4.1	600
M675648		3.09	16.45	0.14	0.9	0.042	2.54	19.7	51.9	0.71	595	0.87	1.37	6.2	2.5	590
M675649		3.03	16.80	0.17	1.0	0.053	2.81	22.5	71.1	0.74	790	0.56	1.16	7.4	2.2	570
M675650		3.64	16.40	0.16	1.0	0.182	3.38	31.5	77.3	0.72	1760	0.83	0.04	6.7	2.1	560
M675651		3.27	16.10	0.13	0.9	0.210	3.20	23.5	24.9	0.71	1790	1.65	0.03	6.9	2.0	550
M675652		3.03	16.55	0.14	1.0	0.201	2.84	16.8	61.6	0.64	694	0.86	0.72	7.3	2.3	580
M675653		3.23	16.15	0.13	1.1	0.042	2.86	24.0	82.4	0.81	950	0.82	0.45	7.3	2.2	600
M675654		2.99	16.40	0.17	1.1	0.039	2.77	23.9	76.2	0.85	1140	2.70	0.55	7.8	2.5	600
M675655		2.59	17.20	0.13	1.1	0.065	2.29	15.9	284	0.58	697	0.84	0.12	7.7	2.3	600
M675656		2.71	17.10	0.14	1.1	0.075	2.41	17.9	287	0.62	719	0.60	0.12	7.8	2.3	620
M675657		3.91	15.70	0.18	1.1	0.329	3.03	27.6	81.5	0.87	746	0.84	0.13	5.6	2.4	570
M675658		2.70	17.00	0.16	1.2	0.034	2.69	16.2	38.9	0.59	486	0.62	1.33	7.9	2.2	580
M675659		2.63	14.00	0.12	1.0	0.035	2.76	21.7	65.2	0.84	964	0.85	0.08	7.2	2.0	580
M675660		2.95	14.70	0.16	1.1	0.047	2.74	23.8	20.5	0.63	559	1.42	1.69	7.2	2.4	600
M675661		2.81	14.20	0.14	1.0	0.052	2.73	19.8	55.9	0.62	696	2.67	0.22	7.0	1.8	570
M675662		6.32	13.90	0.12	1.0	0.750	2.81	22.9	16.9	0.74	1820	7.72	0.12	5.9	11.3	530
M675663		2.56	13.75	0.13	1.0	0.041	2.22	22.9	177.0	0.77	860	0.72	0.04	6.5	2.1	580
M675664		0.47	0.26	0.21	<0.1	0.005	0.03	0.7	1.4	12.90	206	0.05	0.01	0.1	1.5	200
M675665		3.81	14.20	0.16	1.0	0.039	2.88	21.4	13.9	0.87	821	0.76	0.09	6.0	2.8	550
M675666		2.77	14.70	0.17	1.0	0.044	2.74	17.9	15.5	0.55	628	0.88	1.49	7.2	2.1	570
M675667		2.74	14.80	0.15	0.9	0.047	2.74	19.0	91.6	0.60	593	0.80	0.81	7.1	2.2	580
M675668		3.35	14.15	0.13	1.0	0.139	2.65	18.4	188.5	0.63	1700	7.56	0.05	6.8	2.3	560
M675669		3.01	14.95	0.13	1.0	0.051	2.95	20.5	92.8	0.67	639	2.30	0.69	7.0	2.1	570
M675670		3.24	15.05	0.16	1.1	0.058	3.10	21.6	16.8	0.72	756	1.39	1.38	7.5	2.4	610

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 17-AUG-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15115575

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
M675635		593	195.0	<0.002	2.96	5.31	9.7	<1	6.4	137.5	0.52	0.16	12.5	0.229	2.77	4.1
M675636		72.7	138.0	<0.002	1.06	2.12	10.4	1	2.3	857	0.59	0.19	12.0	0.263	1.94	4.1
M675637		2030	168.5	<0.002	6.65	16.75	11.1	1	11.5	38.1	0.53	0.12	9.7	0.242	2.72	3.2
M675638		6.3	1.5	<0.002	0.02	0.10	0.2	<1	<0.2	52.0	<0.05	<0.05	<0.2	0.005	<0.02	0.7
M675639		841	159.0	<0.002	0.99	8.92	9.7	1	2.5	150.5	0.60	0.05	11.5	0.254	2.95	4.4
M675640		20.6	121.5	<0.002	0.57	3.28	10.2	1	1.7	329	0.63	0.10	10.4	0.268	1.87	3.7
M675641		498	145.0	0.003	2.75	28.3	8.8	1	5.7	109.5	0.45	0.33	10.0	0.212	2.52	4.6
M675642		767	201	<0.002	3.48	13.05	9.3	1	5.2	73.3	0.50	0.15	10.9	0.229	3.14	3.5
M675643		110.0	141.0	<0.002	0.74	4.96	9.7	1	2.1	170.5	0.58	0.05	8.8	0.270	2.81	4.0
M675644		19.8	116.0	<0.002	0.18	13.45	10.2	1	1.7	285	0.60	<0.05	10.5	0.274	1.67	3.4
M675645		12.3	81.8	<0.002	0.28	28.7	10.2	1	1.5	193.5	0.59	<0.05	9.7	0.277	1.82	2.7
M675646		81.5	156.5	<0.002	1.93	10.50	10.0	1	2.6	118.5	0.47	0.28	12.0	0.229	2.57	5.8
M675647		26.2	124.5	<0.002	1.84	5.04	9.5	1	1.9	245	0.60	0.69	11.3	0.229	2.18	4.4
M675648		22.3	117.0	<0.002	1.70	4.00	9.1	1	1.7	262	0.49	0.52	9.5	0.224	2.02	3.3
M675649		27.7	114.0	<0.002	0.99	3.99	9.4	1	2.3	321	0.56	0.26	11.4	0.242	1.87	3.6
M675650		263	192.0	<0.002	2.16	10.30	9.3	1	3.1	110.0	0.51	0.15	13.4	0.229	2.89	4.1
M675651		497	155.0	<0.002	1.91	15.55	8.9	1	3.4	82.4	0.54	1.44	11.1	0.229	2.99	5.0
M675652		143.0	101.0	<0.002	1.08	6.40	8.8	1	2.8	235	0.53	0.18	9.2	0.245	1.82	3.2
M675653		123.0	112.0	<0.002	1.25	7.40	9.6	<1	1.9	258	0.57	0.23	11.2	0.244	2.25	3.7
M675654		33.6	101.5	<0.002	0.94	8.87	10.1	1	2.0	250	0.58	0.13	11.7	0.254	2.06	4.3
M675655		34.4	73.5	<0.002	0.45	17.65	9.0	1	1.8	197.5	0.62	0.08	9.4	0.253	1.64	3.8
M675656		38.7	79.5	<0.002	0.45	17.90	9.5	1	1.9	200	0.62	0.10	10.1	0.263	1.61	4.0
M675657		83.1	166.5	<0.002	3.18	9.01	10.4	1	3.0	213	0.43	0.33	11.8	0.191	2.22	4.2
M675658		17.6	88.1	<0.002	0.37	4.21	8.7	1	1.6	297	0.62	0.09	8.9	0.248	1.46	3.1
M675659		22.4	106.5	<0.002	0.91	11.75	8.6	<1	1.3	167.5	0.58	0.05	12.1	0.248	2.31	4.4
M675660		23.3	106.0	<0.002	0.86	5.09	9.4	1	1.7	339	0.60	0.16	13.4	0.254	1.35	4.9
M675661		20.6	94.5	<0.002	0.72	13.15	8.8	1	1.7	182.0	0.58	0.08	11.9	0.242	1.56	7.2
M675662		1295	156.0	<0.002	4.56	62.8	8.1	1	7.6	95.4	0.50	1.61	11.3	0.208	2.69	5.3
M675663		25.7	88.6	<0.002	1.22	10.30	8.3	1	2.0	237	0.52	0.20	12.1	0.235	1.88	4.6
M675664		1.6	1.4	<0.002	<0.01	0.15	0.2	<1	<0.2	48.0	<0.05	<0.05	<0.2	<0.005	<0.02	0.7
M675665		82.4	126.5	<0.002	2.92	14.50	8.7	1	2.1	140.0	0.50	0.43	12.0	0.212	2.52	4.3
M675666		27.3	93.6	<0.002	0.91	6.15	8.6	1	1.6	320	0.60	0.10	11.1	0.248	1.47	3.6
M675667		35.2	97.2	<0.002	0.96	8.92	9.0	1	1.7	286	0.58	0.13	11.4	0.244	1.64	4.0
M675668		244	102.0	<0.002	1.83	21.0	8.6	<1	2.3	183.5	0.57	0.13	10.7	0.243	2.34	4.1
M675669		77.5	109.0	<0.002	0.72	7.23	8.9	1	1.8	239	0.57	0.07	12.1	0.236	1.90	3.7
M675670		44.0	118.0	<0.002	0.75	3.21	9.6	<1	2.0	308	0.62	0.05	12.3	0.251	1.86	4.1

***** See Appendix Page for comments regarding this certificate *****

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 17-AUG-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15115575

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Zn-OG62
	Analyte	V	W	Y	Zn	Zr	Zn
	Units	ppm	ppm	ppm	ppm	ppm	%
	LOR	1	0.1	0.1	2	0.5	0.001
M675635		65	7.5	12.4	1200	25.6	
M675636		73	4.3	14.7	112	27.4	
M675637		75	4.2	10.4	>10000	22.9	1.180
M675638		3	0.1	0.9	30	<0.5	
M675639		69	4.7	15.1	1220	26.7	
M675640		73	2.4	15.3	53	27.6	
M675641		68	5.7	10.5	903	26.6	
M675642		63	6.4	9.9	3260	22.2	
M675643		74	2.6	12.1	464	22.4	
M675644		75	7.3	14.3	54	23.8	
M675645		75	6.3	12.4	49	24.5	
M675646		67	4.1	13.5	127	23.6	
M675647		67	1.7	12.8	59	25.7	
M675648		68	1.6	10.7	52	22.2	
M675649		66	1.9	12.8	53	23.7	
M675650		64	3.0	13.7	433	23.5	
M675651		62	3.4	11.3	765	22.3	
M675652		66	2.3	12.0	633	24.2	
M675653		67	4.1	13.4	166	26.4	
M675654		69	3.3	14.0	72	26.5	
M675655		70	3.3	11.7	112	26.3	
M675656		72	3.2	12.5	128	25.8	
M675657		68	2.9	11.8	320	25.7	
M675658		68	1.1	11.5	45	28.0	
M675659		65	3.8	13.1	44	30.4	
M675660		69	1.1	16.6	54	30.4	
M675661		66	2.0	14.0	83	28.2	
M675662		62	5.8	11.5	2400	29.4	
M675663		65	2.6	13.7	62	28.1	
M675664		2	0.1	0.8	16	0.7	
M675665		64	3.4	13.1	153	30.1	
M675666		66	1.2	13.1	58	29.8	
M675667		68	1.3	13.7	72	27.0	
M675668		67	2.3	13.0	563	27.7	
M675669		66	1.7	13.1	90	29.0	
M675670		70	1.6	15.0	83	30.8	

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: KLAZA

Finalized Date: 17-AUG-2015
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH15115575

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

Applies to Method:				
	BAG-06	CRU-31	CRU-QC	LOG-21
	LOG-21d	LOG-23	PUL-31	PUL-31d
	PUL-QC	SPL-21	SPL-21d	WEI-21

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:				
	Au-AA24	ME-MS61	ME-OG62	Zn-OG62

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 12-AUG-2015
Account: ROCKHA

CERTIFICATE WH15115597

Project: KLAZA

P.O. No.: BATCH 93

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 2-AUG-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21d	Sample logging - ClientBarCode Dup
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
BAG-06	Double Bagging Coarse Rejects
SPL-21d	Split sample - duplicate
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31d	Pulverize Split - duplicate

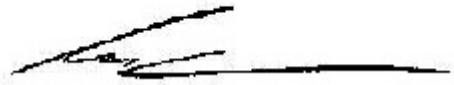
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 12-AUG-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15115597

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
K289503		9.87	<0.005	0.28	6.87	14.8	5300	1.44	1.24	3.55	0.25	45.7	7.8	11	12.55	25.7
K289504		10.43	<0.005	0.18	7.64	3.3	2440	1.68	1.88	3.24	0.10	45.2	9.0	14	7.34	27.6
K289505		0.29	0.392	4.45	6.58	717	370	1.50	3.64	2.07	11.05	49.1	12.7	26	13.35	304
K289506		11.48	<0.005	0.09	6.81	3.5	2000	1.60	1.04	3.09	0.16	38.1	9.1	13	8.78	16.5
K289507		3.49	<0.005	0.15	7.57	14.2	1100	1.64	1.07	2.31	0.12	42.0	9.6	11	13.00	14.0
K289508		4.06	<0.005	0.14	7.25	16.2	1080	1.43	0.86	2.49	0.20	39.6	9.1	10	9.17	8.7
K289509		1.90	<0.005	0.10	7.38	10.7	1000	1.52	0.45	2.10	0.24	39.9	9.8	10	9.14	8.3
K289510		3.73	0.006	0.42	6.95	24.5	3520	1.66	0.94	2.90	0.33	49.2	9.1	11	11.25	9.0
K289511		11.57	<0.005	0.22	7.69	11.0	2550	1.68	1.70	2.53	0.19	43.4	8.9	10	11.15	12.6
K289512		6.22	<0.005	0.12	7.34	20.7	550	1.69	0.29	3.11	0.12	45.0	9.1	11	16.50	11.5
K289513		<0.02	<0.005	0.13	7.29	19.3	590	1.40	0.28	3.58	0.13	47.7	9.0	10	16.00	11.5
K289514		4.33	0.079	0.72	6.60	85.1	870	1.57	0.75	2.21	8.81	48.1	10.1	9	11.45	16.0
K289515		2.13	0.008	0.34	6.93	57.7	690	1.31	0.24	4.11	0.16	54.0	8.6	9	9.26	7.7
K289516		5.19	<0.005	0.01	0.06	0.6	20	<0.05	0.01	19.60	0.06	1.23	0.7	1	0.14	1.6
K289517		5.09	<0.005	0.10	6.83	13.5	1310	1.73	0.15	2.91	0.10	41.1	8.8	11	10.35	10.0
K289518		3.51	<0.005	0.08	6.83	38.6	1170	1.49	0.19	3.10	0.13	44.2	10.9	10	12.85	11.9
K289519		15.39	<0.005	0.22	7.13	18.7	2210	1.37	2.44	3.48	0.23	52.7	9.1	9	14.35	6.5
K289520		8.85	<0.005	0.32	7.32	9.1	2860	1.35	8.65	2.77	0.26	49.0	8.4	9	14.65	9.7
K289521		5.20	<0.005	0.09	7.20	13.2	960	1.58	0.32	4.38	0.28	49.5	8.1	9	15.15	8.5
K289522		8.65	0.006	0.20	6.94	28.2	1110	1.43	1.15	4.55	0.44	48.4	12.7	9	24.8	6.1
K289523		4.27	<0.005	0.10	7.34	12.9	1290	1.56	0.26	2.69	0.10	49.2	8.9	13	26.3	8.8
K289524		2.55	<0.005	0.15	6.75	24.8	710	1.68	0.14	3.48	0.27	52.9	8.5	8	25.2	9.0
K289525		0.90	0.071	2.87	6.44	203	2080	1.55	0.61	3.78	9.35	44.1	10.1	7	19.40	15.2
K289526		1.77	<0.005	0.13	6.73	18.5	1570	1.52	0.07	3.13	0.21	43.0	7.8	10	24.0	6.8
K289527		3.00	<0.005	0.15	7.44	6.2	2050	1.65	0.10	2.79	0.84	50.3	9.0	13	10.75	7.8
K289528		0.80	0.138	2.45	5.83	304	1460	1.30	0.90	4.59	24.5	44.1	11.1	8	8.60	28.8
K289529		5.22	<0.005	0.01	0.08	0.6	30	0.07	0.03	20.3	0.08	1.31	0.6	1	0.25	1.7
K289530		4.68	<0.005	0.09	7.08	6.0	1940	1.42	0.08	2.78	0.33	43.7	8.1	12	16.15	7.9
K289531		0.92	0.038	2.09	6.85	455	800	1.49	1.00	2.53	15.15	44.0	8.0	10	17.25	15.5
K289532		2.58	<0.005	0.36	7.32	18.3	1710	1.40	0.16	2.51	0.35	43.1	8.3	10	24.3	11.8
K289533		0.29	0.866	13.90	6.77	1645	1080	1.32	12.25	1.89	35.0	51.5	17.6	19	14.35	300
K289534		5.28	<0.005	0.09	7.20	3.0	2080	1.59	0.12	3.01	0.12	46.0	8.9	14	10.40	8.3
K289535		3.41	<0.005	0.07	6.92	2.7	2000	1.59	0.09	2.87	0.12	44.4	8.5	16	9.34	8.1
K289536		0.90	0.011	0.66	6.90	145.0	1200	1.43	0.14	3.20	0.66	48.4	7.7	10	17.20	13.8
K289537		4.02	<0.005	0.26	7.43	22.2	1910	1.51	0.07	2.93	0.28	46.8	9.0	12	17.30	10.6
K289538		1.00	0.022	4.51	6.91	175.0	770	1.37	0.10	2.93	1.57	48.0	9.3	9	17.00	41.4

***** See Appendix Page for comments regarding this certificate *****

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Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
K289503		3.10	13.65	0.11	1.3	0.036	2.80	24.0	24.9	1.07	1240	3.43	0.53	7.3	2.4	600
K289504		3.35	15.90	0.17	1.3	0.038	2.61	22.6	15.4	0.91	860	1.28	2.15	8.1	2.6	690
K289505		4.98	15.60	0.11	1.1	0.303	3.00	26.7	30.1	0.77	1840	14.50	0.15	6.6	14.7	510
K289506		3.19	16.20	0.15	1.3	0.040	2.69	18.2	17.2	0.82	787	0.51	1.58	7.9	2.7	650
K289507		3.39	17.90	0.14	1.2	0.038	2.68	20.0	34.7	0.83	1160	0.31	0.57	8.5	2.8	690
K289508		3.32	16.95	0.14	1.4	0.045	2.35	19.2	45.9	0.90	1740	0.18	0.04	8.4	2.6	680
K289509		3.32	17.70	0.11	1.4	0.047	2.23	19.1	54.1	0.78	1280	0.21	0.04	8.5	2.8	680
K289510		3.15	15.55	0.16	1.3	0.040	3.17	25.4	37.6	1.01	1720	0.78	0.06	7.9	2.7	610
K289511		3.47	16.35	0.15	1.3	0.081	2.89	21.5	38.9	0.92	1220	0.41	0.61	7.6	2.5	670
K289512		3.47	17.70	0.16	1.1	0.043	2.71	21.9	37.6	1.09	1480	1.23	0.41	8.3	2.8	700
K289513		3.57	17.05	0.19	1.1	0.041	2.67	24.5	33.8	1.26	1610	0.92	0.44	7.8	2.6	650
K289514		5.35	15.70	0.14	1.0	0.143	3.00	26.7	30.4	1.10	2670	1.60	0.03	6.1	2.3	530
K289515		3.65	14.70	0.17	1.1	0.058	2.90	29.5	43.1	1.44	2140	1.05	0.59	7.0	2.7	600
K289516		0.42	0.28	0.11	<0.1	<0.005	0.02	0.6	1.2	12.30	182	0.13	<0.01	0.1	1.3	150
K289517		3.20	15.85	0.18	1.2	0.045	2.43	19.8	16.4	0.84	1040	0.88	1.71	7.9	2.7	630
K289518		3.38	15.70	0.14	1.2	0.039	2.42	21.7	26.6	0.96	1100	0.95	0.64	7.9	3.3	630
K289519		3.41	15.75	0.10	1.2	0.089	2.25	27.3	47.3	1.06	1860	0.16	0.09	7.8	2.7	620
K289520		3.41	15.70	0.12	1.1	0.096	2.29	25.6	46.8	0.99	1530	0.13	0.21	7.3	2.4	640
K289521		3.22	16.65	0.09	1.1	0.041	2.87	25.7	81.7	1.14	1480	0.21	0.11	7.7	2.4	640
K289522		3.34	18.40	0.11	1.1	0.143	3.02	24.7	51.0	1.10	1540	0.21	0.06	7.2	2.5	610
K289523		2.93	16.85	0.14	1.1	0.037	2.61	24.4	89.9	0.81	844	2.49	1.00	8.1	2.7	650
K289524		3.25	14.50	0.11	1.0	0.045	2.30	27.7	138.0	1.21	1380	1.99	0.05	7.3	2.6	660
K289525		3.74	12.95	0.10	0.9	0.094	2.58	23.8	57.4	1.22	2550	0.53	0.06	6.0	2.5	540
K289526		3.07	15.30	0.14	0.9	0.049	2.46	21.8	88.5	0.81	1140	0.54	1.06	7.4	2.4	650
K289527		3.45	16.45	0.11	0.9	0.049	2.48	25.1	21.0	0.95	970	0.54	1.81	7.9	2.8	730
K289528		5.05	12.55	0.09	0.7	0.218	2.81	22.9	15.2	1.07	4260	0.75	0.04	5.5	2.5	540
K289529		0.50	0.23	0.11	<0.1	0.006	0.03	0.6	1.3	12.95	227	<0.05	0.01	0.2	1.5	170
K289530		3.26	15.60	0.15	1.0	0.043	2.52	20.4	24.0	0.86	951	0.47	1.73	7.7	2.7	690
K289531		3.93	14.40	0.11	0.8	0.097	3.22	22.1	27.6	0.79	3380	0.35	0.21	7.0	2.5	610
K289532		3.32	15.65	0.11	1.0	0.083	2.94	20.4	22.9	0.70	1730	0.45	0.95	7.9	2.5	680
K289533		6.85	15.25	0.09	1.1	0.908	2.98	26.3	18.1	0.80	1920	8.19	0.14	6.6	12.4	560
K289534		3.43	16.05	0.11	1.0	0.048	2.44	21.1	16.6	0.95	863	0.53	2.31	8.1	2.8	700
K289535		3.24	15.70	0.10	1.1	0.040	2.38	20.4	15.4	0.90	761	0.99	2.34	8.0	2.8	680
K289536		3.83	14.60	0.09	1.1	0.208	3.60	25.0	19.6	1.05	4110	0.97	0.19	7.0	2.4	610
K289537		3.23	15.30	0.12	1.0	0.046	2.72	23.3	16.7	0.90	1440	1.20	1.91	7.5	2.7	670
K289538		3.66	14.30	0.10	0.9	0.161	3.60	25.5	15.9	1.03	5130	0.64	0.11	6.8	2.6	590

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	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
K289503		11.4	128.5	<0.002	0.25	12.60	11.3	1	1.7	190.5	0.51	<0.05	11.5	0.254	1.75	4.3
K289504		15.1	91.5	<0.002	0.04	2.73	11.4	<1	1.7	337	0.63	<0.05	11.9	0.302	1.38	2.9
K289505		475	146.5	0.003	2.65	25.6	9.4	1	5.7	110.0	0.51	0.47	11.7	0.205	2.53	5.3
K289506		15.9	83.4	<0.002	0.02	2.56	10.6	1	1.8	267	0.61	<0.05	9.9	0.275	1.48	2.5
K289507		15.0	87.9	<0.002	0.13	9.07	12.0	1	1.9	175.5	0.62	<0.05	10.3	0.304	1.95	3.0
K289508		11.9	79.1	<0.002	0.26	16.35	11.5	1	1.8	115.0	0.63	<0.05	10.6	0.292	1.82	5.1
K289509		11.0	68.9	<0.002	0.11	17.30	11.7	1	1.7	130.0	0.63	<0.05	10.5	0.296	1.65	5.8
K289510		29.5	136.0	<0.002	0.35	12.10	11.1	1	1.6	138.5	0.59	0.07	12.1	0.267	2.50	6.0
K289511		12.8	113.0	<0.002	0.14	9.45	11.4	1	2.1	189.0	0.56	0.08	10.7	0.289	1.85	3.9
K289512		18.5	86.2	<0.002	0.24	8.55	12.0	1	1.8	156.5	0.58	<0.05	9.5	0.298	2.26	5.3
K289513		17.7	106.0	<0.002	0.23	8.76	12.0	1	1.8	154.0	0.55	<0.05	10.3	0.280	2.17	5.0
K289514		363	177.5	<0.002	1.19	8.47	10.2	1	2.7	85.0	0.49	<0.05	12.6	0.216	2.39	4.8
K289515		14.0	164.5	<0.002	0.78	8.20	10.7	1	1.7	165.5	0.53	<0.05	12.6	0.249	2.57	9.5
K289516		1.6	1.2	<0.002	<0.01	0.09	0.1	1	<0.2	44.1	<0.05	<0.05	<0.2	<0.005	<0.02	0.8
K289517		15.2	86.4	<0.002	0.26	4.89	11.1	1	1.8	262	0.61	<0.05	10.5	0.275	1.50	6.9
K289518		13.9	75.9	<0.002	0.20	12.50	11.0	1	1.7	200	0.61	<0.05	11.1	0.275	2.47	7.1
K289519		20.3	87.7	<0.002	0.17	11.30	11.3	1	1.5	186.5	0.61	<0.05	14.2	0.266	1.59	3.5
K289520		19.6	85.9	<0.002	0.08	13.40	10.7	1	2.0	173.5	0.60	0.05	13.7	0.275	1.45	2.8
K289521		9.7	98.6	<0.002	0.07	7.85	10.8	1	1.5	178.0	0.60	<0.05	11.9	0.281	1.71	3.7
K289522		16.4	107.5	<0.002	0.41	6.94	10.6	1	1.9	167.0	0.58	0.06	11.4	0.260	1.92	5.1
K289523		13.7	99.9	<0.002	0.09	7.34	11.4	1	1.6	297	0.64	<0.05	12.2	0.283	1.63	4.0
K289524		12.2	95.8	<0.002	0.22	19.00	12.0	<1	1.7	229	0.64	<0.05	12.5	0.272	2.21	5.0
K289525		313	137.0	<0.002	1.36	14.65	10.1	<1	3.2	178.5	0.56	<0.05	8.8	0.238	2.08	4.0
K289526		17.8	100.5	<0.002	0.07	8.16	11.9	1	1.6	299	0.62	<0.05	9.6	0.282	1.56	3.2
K289527		59.3	97.7	0.002	0.02	2.76	13.9	1	1.8	408	0.65	<0.05	10.0	0.318	1.07	3.4
K289528		715	181.0	<0.002	2.80	12.90	10.5	1	5.5	143.0	0.45	0.21	7.3	0.221	2.17	3.3
K289529		2.2	1.7	<0.002	0.02	0.09	0.2	<1	<0.2	52.6	<0.05	<0.05	<0.2	<0.005	0.03	0.4
K289530		19.2	92.2	<0.002	0.04	3.77	11.7	1	1.8	371	0.63	<0.05	8.9	0.299	1.17	3.2
K289531		378	170.0	<0.002	1.65	17.10	11.2	1	2.1	190.0	0.63	<0.05	9.1	0.258	2.63	3.6
K289532		46.3	126.5	0.002	0.16	8.55	12.3	1	2.0	272	0.67	<0.05	9.1	0.296	1.64	3.2
K289533		1390	184.5	<0.002	4.85	70.3	10.1	2	8.5	102.5	0.62	1.98	10.6	0.221	2.65	5.2
K289534		17.6	86.8	<0.002	0.01	1.51	12.9	1	1.8	429	0.70	<0.05	9.4	0.306	1.03	3.5
K289535		16.7	82.7	<0.002	0.01	1.22	12.4	1	1.7	415	0.75	<0.05	10.3	0.289	0.93	3.9
K289536		33.6	201	<0.002	0.53	14.45	11.1	1	2.1	164.0	0.68	<0.05	10.8	0.262	3.08	4.7
K289537		18.3	114.0	<0.002	0.06	4.01	12.3	<1	1.8	374	0.65	<0.05	10.7	0.289	1.37	3.8
K289538		111.0	206	<0.002	1.00	36.2	11.1	1	2.7	151.0	0.61	<0.05	10.6	0.255	3.07	5.1

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 12-AUG-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15115597

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	V	W	Y	Zn	Zr
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	1	0.1	0.1	2	0.5
K289503		77	1.9	13.7	91	40.3
K289504		86	1.8	11.2	76	36.3
K289505		67	5.6	11.5	860	31.6
K289506		83	2.5	10.9	71	38.0
K289507		89	4.0	12.1	81	36.0
K289508		85	3.5	12.2	92	39.9
K289509		86	3.6	11.3	105	41.8
K289510		77	3.3	13.0	96	38.7
K289511		91	2.4	11.7	113	33.6
K289512		88	2.5	12.5	89	30.0
K289513		84	2.6	13.5	86	29.0
K289514		73	5.1	11.0	923	26.0
K289515		74	4.3	12.6	61	29.2
K289516		2	0.1	0.8	13	<0.5
K289517		77	1.6	12.4	54	30.9
K289518		75	1.6	11.8	59	31.6
K289519		75	2.2	14.9	174	30.5
K289520		79	2.0	13.8	157	26.7
K289521		87	3.1	13.2	74	27.8
K289522		88	2.6	13.1	88	27.2
K289523		82	1.6	14.5	55	26.1
K289524		81	1.9	17.2	91	25.8
K289525		67	4.6	13.4	752	21.3
K289526		81	2.1	16.3	71	22.9
K289527		94	2.9	18.6	115	25.1
K289528		70	6.2	19.1	1960	15.9
K289529		2	0.1	0.8	22	<0.5
K289530		86	1.1	16.3	77	23.7
K289531		75	5.9	15.6	1060	19.3
K289532		86	2.7	16.0	95	24.0
K289533		66	6.1	13.0	2560	31.5
K289534		91	0.9	18.0	67	23.7
K289535		85	0.9	17.7	63	28.2
K289536		76	4.6	16.3	150	25.0
K289537		83	1.9	17.3	89	24.8
K289538		74	4.7	15.2	280	24.1

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

2103 Dollarton Hwy
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Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: KLAZA

Finalized Date: 12-AUG-2015
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH15115597

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	ME-MS61

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 13-AUG-2015
Account: ROCKHA

CERTIFICATE WH15115629

Project: KLAZA

P.O. No.: BATCH 94

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 2-AUG-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21d	Sample logging - ClientBarCode Dup
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
BAG-06	Double Bagging Coarse Rejects
SPL-21d	Split sample - duplicate
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31d	Pulverize Split - duplicate

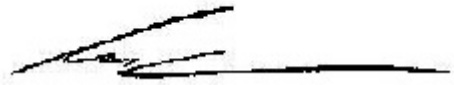
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15115629

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
M675671		3.81	0.141	3.14	6.54	95.6	1960	1.68	2.10	2.52	15.15	43.2	5.9	10	14.15	42.5
M675672		7.49	0.026	0.28	6.86	27.5	2520	1.82	0.31	2.51	1.20	45.5	6.8	17	14.55	8.3
M675673		2.19	0.015	0.39	6.90	39.4	2080	1.85	0.29	2.28	1.14	48.1	6.8	13	19.40	18.5
M675674		8.89	0.008	0.09	7.04	9.0	2890	1.58	0.23	2.66	0.20	45.8	6.9	13	12.00	6.4
M675675		4.49	0.006	0.08	7.10	8.5	2950	1.78	0.20	2.58	0.18	51.3	7.2	13	12.70	8.5
M675676		8.68	<0.005	0.08	7.21	6.4	2590	1.88	0.28	2.46	0.18	54.1	7.0	16	9.38	10.3
M675677		3.43	0.009	0.27	6.63	16.7	2670	1.65	0.40	2.68	0.20	45.6	6.6	13	16.85	7.2
M675678		3.66	0.007	0.50	6.88	24.6	2030	1.62	0.30	2.61	0.22	44.2	8.0	11	28.8	8.1
M675679		4.03	0.013	0.54	6.89	30.1	2060	1.77	0.33	2.59	0.21	42.8	6.9	13	18.60	13.3
M675680		1.71	0.017	0.73	6.81	69.4	2490	1.48	0.48	2.89	0.46	49.4	7.1	9	20.6	8.6
M675681		4.83	<0.005	0.01	0.06	0.3	30	0.05	0.02	21.2	0.06	1.17	0.6	<1	0.17	3.5
M675682		8.03	0.012	0.85	6.77	48.8	2630	1.31	0.40	2.38	0.38	48.8	7.1	10	16.90	19.6
M675683		3.14	0.016	0.85	6.93	30.1	3010	1.44	0.22	2.51	0.28	39.7	7.8	11	26.5	10.7
M675684		2.66	<0.005	0.09	6.95	8.0	1900	1.42	0.25	2.11	0.21	30.3	4.8	13	19.45	5.4
M675685		0.30	0.385	4.32	6.47	719	450	1.32	3.48	1.97	10.90	49.6	12.2	26	13.10	320
M675686		4.15	<0.005	0.62	7.08	12.3	1160	1.60	0.49	2.39	0.30	50.1	7.7	11	20.0	3.0
M675687		3.91	<0.005	1.01	6.78	11.0	1400	1.38	0.64	2.69	0.29	55.7	15.0	13	11.75	1.8
M675688		4.73	0.034	6.06	6.90	60.5	510	1.37	0.84	2.11	4.57	57.0	10.1	12	9.16	5.4
M675689		2.69	0.042	1.47	6.87	57.1	650	1.62	0.40	2.50	4.46	51.4	5.5	11	16.80	5.3
M675690		2.32	3.46	14.10	5.11	3640	230	1.25	5.14	2.55	44.3	37.3	20.6	8	11.25	119.5
M675691		4.90	<0.005	0.03	0.07	1.5	30	0.07	0.03	21.2	0.12	1.16	0.6	<1	0.18	1.3
M675692		3.33	0.010	0.22	6.92	32.0	1790	1.41	0.38	2.80	0.34	47.6	7.3	10	22.8	5.0
M675693		2.59	0.005	0.07	6.98	12.0	2630	1.62	0.28	2.53	0.19	41.9	6.1	11	13.30	5.4
M675694		4.45	0.005	0.14	6.88	13.5	1390	1.39	0.79	2.28	0.32	54.1	17.0	12	15.55	8.8
M675695		1.62	0.020	0.48	6.19	87.8	2970	1.37	0.66	2.43	0.31	35.5	5.9	9	17.25	23.7
M675696		3.32	<0.005	0.08	7.60	13.4	2320	1.44	0.12	1.91	0.20	45.3	5.7	9	18.60	8.8
M675697		7.03	<0.005	0.12	7.36	11.7	2390	1.57	0.17	2.46	0.23	44.2	7.4	9	17.55	11.6
M675698		<0.02	<0.005	0.16	7.45	11.9	2410	1.59	0.16	2.48	0.22	45.5	7.4	10	17.40	10.4
M675699		2.09	<0.005	0.29	7.67	19.3	2290	1.51	0.21	1.31	1.90	47.2	7.2	10	15.75	20.2
M675700		4.42	0.007	0.22	7.59	79.0	1790	1.40	0.10	1.56	0.45	42.0	7.1	9	18.70	14.1
M675701		0.26	0.879	11.90	6.61	1600	350	1.40	12.00	1.83	32.4	47.1	17.0	20	13.10	297
M675702		2.12	0.072	1.19	6.53	459	2000	1.46	0.56	2.72	2.66	51.1	8.1	8	20.9	18.9
M675703		2.52	<0.005	0.19	6.02	18.8	2260	1.45	0.12	2.67	1.10	32.2	6.2	8	17.25	9.3
M675704		2.65	<0.005	0.10	6.77	8.3	2280	1.61	0.14	2.63	0.17	40.7	6.2	11	18.45	13.2
M675705		5.55	0.029	0.53	6.94	122.5	1790	1.56	0.26	1.78	3.16	47.9	7.5	10	19.15	20.2
M675706		1.69	0.510	28.8	3.78	1010	220	0.98	1.08	2.67	83.3	28.8	9.9	9	7.20	344

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CERTIFICATE OF ANALYSIS WH15115629

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
M675671		3.40	15.85	0.16	1.0	0.324	3.38	20.9	41.1	0.62	2040	3.38	0.21	6.9	2.2	540
M675672		2.96	16.15	0.15	1.1	0.059	3.04	21.8	60.4	0.73	981	6.05	0.96	7.5	2.6	590
M675673		2.98	16.40	0.15	1.2	0.071	3.22	22.9	184.5	0.70	1300	1.94	0.45	7.9	2.2	630
M675674		2.86	16.40	0.16	1.1	0.035	2.76	22.3	19.9	0.79	761	3.05	2.13	7.7	2.6	570
M675675		2.87	16.30	0.17	1.1	0.048	2.81	25.0	21.3	0.77	737	3.20	2.11	7.9	2.3	590
M675676		2.94	16.55	0.19	1.1	0.054	2.77	27.0	16.2	0.78	798	2.20	2.16	7.8	2.6	580
M675677		2.81	15.50	0.18	1.2	0.058	2.81	22.2	42.9	0.76	1100	3.95	1.31	7.4	2.2	560
M675678		2.81	15.80	0.17	1.2	0.053	2.63	21.1	120.0	0.78	1310	3.30	0.15	7.8	2.4	570
M675679		2.78	15.75	0.14	1.2	0.082	2.94	20.7	45.4	0.68	1180	2.89	0.72	7.5	2.2	570
M675680		2.66	15.60	0.16	1.1	0.090	2.74	25.4	37.6	0.90	1520	5.76	0.06	7.3	2.7	560
M675681		0.46	0.21	0.16	<0.1	<0.005	0.02	0.6	1.2	13.15	205	0.06	<0.01	0.1	1.4	200
M675682		2.57	15.00	0.20	1.2	0.072	2.54	24.4	74.4	0.64	979	5.23	0.20	7.3	2.2	570
M675683		2.72	16.70	0.15	0.9	0.078	2.70	17.4	70.4	0.73	1900	1.27	0.06	8.1	2.5	700
M675684		2.52	17.20	0.16	1.1	0.075	2.57	12.3	114.5	0.34	672	0.80	0.23	8.2	1.7	710
M675685		4.96	15.15	0.14	1.1	0.320	2.93	26.7	24.4	0.75	1900	14.25	0.15	6.0	14.4	530
M675686		2.31	16.55	0.16	0.9	0.070	3.12	24.5	54.4	0.80	1040	2.12	0.06	7.7	2.4	620
M675687		2.50	16.50	0.18	0.8	0.076	3.16	27.4	59.0	0.98	1140	1.63	0.06	7.1	2.1	600
M675688		3.29	15.45	0.17	0.7	0.115	3.38	29.4	12.1	0.82	1850	6.02	0.04	6.6	2.3	570
M675689		2.54	16.60	0.16	0.8	0.066	3.49	26.3	9.8	0.88	2170	2.83	0.03	7.3	1.9	600
M675690		4.91	11.65	0.14	0.6	0.329	2.23	17.1	35.4	0.79	2050	12.85	0.03	4.5	2.2	380
M675691		0.48	0.20	0.13	<0.1	0.008	0.03	0.6	1.2	13.15	221	0.08	<0.01	0.1	1.4	180
M675692		2.72	15.35	0.17	1.0	0.064	3.15	23.3	203	0.84	1190	1.08	0.18	7.3	2.2	630
M675693		2.85	15.70	0.17	1.0	0.055	2.89	18.3	23.3	0.63	640	0.86	1.80	7.6	2.3	590
M675694		3.13	16.35	0.15	1.0	0.067	2.74	26.9	23.5	0.69	578	1.26	0.77	7.2	2.9	630
M675695		3.61	15.90	0.12	0.9	0.061	2.75	15.0	48.7	0.48	1390	1.65	0.05	7.0	3.6	580
M675696		2.83	17.85	0.14	1.3	0.046	3.08	21.0	29.5	0.30	666	1.56	0.99	8.4	2.1	640
M675697		3.03	17.10	0.14	1.1	0.044	2.81	20.9	14.8	0.57	659	1.14	2.11	8.0	2.7	640
M675698		2.95	16.90	0.15	1.0	0.043	2.81	21.1	14.4	0.58	645	1.10	2.14	7.7	2.4	640
M675699		3.13	17.10	0.16	1.0	0.071	2.90	22.4	27.3	0.39	1060	1.58	0.24	7.8	2.7	650
M675700		2.82	17.80	0.14	1.2	0.038	2.93	18.5	39.0	0.41	971	1.89	0.10	8.0	2.4	640
M675701		6.64	15.70	0.15	1.0	0.796	2.89	23.5	20.3	0.77	1880	8.62	0.13	6.2	12.3	560
M675702		3.08	14.75	0.12	0.9	0.133	2.78	26.6	35.0	0.92	2140	2.43	0.03	6.5	2.7	510
M675703		2.61	15.35	0.14	1.1	0.037	3.00	13.2	23.2	0.35	1080	4.77	0.49	7.3	2.0	560
M675704		2.86	16.40	0.13	1.2	0.045	2.73	17.6	8.6	0.53	628	2.34	2.06	7.6	2.5	590
M675705		2.79	16.10	0.14	1.1	0.094	3.17	23.5	29.2	0.60	1640	2.95	0.09	7.4	2.4	570
M675706		4.78	9.48	0.11	0.4	0.453	1.78	13.9	24.6	0.93	3310	5.11	0.02	3.5	2.1	300

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Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15115629

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
M675671		1070	155.0	<0.002	1.47	16.65	9.9	1	2.6	158.5	0.55	<0.05	12.5	0.229	2.73	4.1
M675672		83.4	125.5	<0.002	0.71	5.89	10.5	1	1.7	286	0.64	<0.05	13.1	0.247	2.22	4.0
M675673		102.0	130.0	<0.002	0.78	12.50	11.2	1	1.9	224	0.63	<0.05	12.3	0.257	2.41	3.9
M675674		21.7	104.0	<0.002	0.33	1.44	10.3	1	1.5	400	0.64	<0.05	13.0	0.249	1.36	3.9
M675675		21.1	109.5	<0.002	0.30	1.53	10.8	1	1.5	395	0.66	<0.05	13.6	0.254	1.28	4.1
M675676		21.1	113.0	<0.002	0.33	1.31	10.6	1	1.6	405	0.66	<0.05	14.0	0.252	1.41	4.2
M675677		28.5	118.5	<0.002	0.59	4.00	10.1	1	1.6	340	0.64	0.09	13.8	0.241	1.79	4.5
M675678		17.8	100.0	<0.002	0.44	6.76	10.4	1	1.7	247	0.66	0.06	12.6	0.250	1.85	5.8
M675679		30.4	121.0	<0.002	0.49	5.89	9.7	1	1.4	275	0.66	<0.05	13.0	0.241	1.82	4.3
M675680		46.3	114.0	<0.002	1.04	7.81	10.2	1	1.8	231	0.62	0.13	13.5	0.240	1.86	4.8
M675681		1.3	1.1	<0.002	<0.01	0.08	0.1	<1	<0.2	45.8	<0.05	<0.05	<0.2	<0.005	<0.02	0.7
M675682		32.6	101.5	<0.002	0.96	14.75	8.9	1	1.8	238	0.67	0.08	13.3	0.234	1.64	4.5
M675683		17.1	87.9	<0.002	0.33	9.83	11.3	<1	1.8	250	0.55	<0.05	9.6	0.288	2.01	3.5
M675684		20.7	95.5	<0.002	0.29	12.75	11.4	<1	2.0	209	0.59	<0.05	8.5	0.302	1.56	2.6
M675685		521	158.0	0.004	2.70	27.5	9.0	1	5.7	110.5	0.51	0.32	11.8	0.209	2.47	4.8
M675686		22.8	148.5	<0.002	1.17	7.93	10.6	1	2.5	151.0	0.62	0.10	11.9	0.264	2.79	3.9
M675687		18.1	169.0	<0.002	1.51	4.76	11.8	1	2.9	132.0	0.56	0.31	12.7	0.236	3.12	4.3
M675688		282	206	<0.002	2.08	8.59	9.6	1	3.0	115.0	0.53	0.13	12.4	0.227	3.16	4.5
M675689		307	194.0	<0.002	1.35	9.81	10.4	1	3.0	68.5	0.58	<0.05	13.5	0.241	3.26	4.2
M675690		2290	148.5	<0.002	4.31	60.7	6.4	1	5.2	87.0	0.40	0.60	9.6	0.157	2.05	3.1
M675691		3.8	1.5	<0.002	<0.01	0.18	0.1	<1	<0.2	48.5	<0.05	<0.05	<0.2	<0.005	<0.02	0.6
M675692		28.3	126.0	<0.002	0.89	9.91	9.4	1	1.7	239	0.61	0.10	12.0	0.252	2.32	4.3
M675693		21.1	109.0	<0.002	0.38	3.78	9.4	1	1.5	386	0.64	<0.05	12.8	0.254	1.67	4.2
M675694		25.1	129.5	<0.002	1.84	4.93	10.1	1	2.0	212	0.62	0.23	13.3	0.247	2.25	4.5
M675695		13.5	106.5	<0.002	0.86	26.4	9.5	1	1.8	86.0	0.57	0.24	8.8	0.243	2.12	2.5
M675696		16.3	123.5	<0.002	0.02	13.80	10.7	<1	2.1	172.0	0.69	<0.05	11.8	0.267	1.77	2.1
M675697		18.0	110.5	<0.002	0.03	4.75	10.9	1	1.9	348	0.63	0.08	11.4	0.266	1.48	2.6
M675698		17.3	111.0	<0.002	0.03	4.65	10.6	1	1.8	352	0.62	0.05	11.4	0.269	1.43	2.5
M675699		103.5	132.0	<0.002	0.13	23.4	11.5	1	2.0	81.1	0.62	<0.05	12.5	0.260	1.85	4.1
M675700		19.1	123.0	<0.002	0.18	24.3	10.8	1	1.9	81.1	0.70	<0.05	12.0	0.267	2.09	3.7
M675701		1420	165.5	0.002	4.76	65.9	9.4	1	8.0	95.9	0.52	1.02	11.4	0.214	2.75	5.2
M675702		84.4	181.0	<0.002	1.03	27.3	9.3	1	2.0	67.6	0.54	<0.05	12.4	0.221	3.28	4.2
M675703		22.2	107.5	<0.002	0.13	13.05	8.5	1	1.6	124.5	0.61	<0.05	9.1	0.246	1.99	2.9
M675704		18.1	101.5	<0.002	0.04	4.15	9.8	1	1.7	352	0.65	<0.05	11.0	0.250	1.58	3.1
M675705		30.6	156.5	<0.002	0.47	23.2	10.1	1	1.7	70.6	0.62	<0.05	12.1	0.244	2.95	4.7
M675706		1300	116.0	<0.002	4.10	161.0	5.9	1	3.3	37.0	0.28	0.25	6.5	0.121	1.75	8.8

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
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Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 13-AUG-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15115629

Sample Description	Method Analyte Units LOR	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
M675671		64	3.8	12.6	1080	28.9
M675672		69	2.0	14.1	124	27.2
M675673		76	3.7	14.5	111	31.2
M675674		67	1.1	15.0	53	28.9
M675675		69	1.0	16.1	54	29.9
M675676		68	1.4	16.3	56	28.6
M675677		67	2.1	14.3	59	29.7
M675678		69	3.6	14.1	67	32.1
M675679		66	2.6	13.7	58	30.8
M675680		65	4.2	14.3	127	30.1
M675681		2	0.1	0.8	15	<0.5
M675682		63	3.7	13.1	95	29.7
M675683		83	5.1	13.1	124	24.8
M675684		90	1.6	10.3	57	28.7
M675685		68	5.8	11.2	900	28.7
M675686		74	1.9	11.2	84	24.5
M675687		72	2.2	14.0	69	23.1
M675688		63	3.0	11.7	470	20.5
M675689		67	3.7	12.5	403	23.6
M675690		43	3.7	11.1	3620	17.5
M675691		3	0.1	0.8	22	<0.5
M675692		69	3.0	13.1	69	26.6
M675693		70	2.0	13.3	57	26.3
M675694		73	1.9	13.3	66	26.7
M675695		70	2.8	11.4	65	30.8
M675696		73	4.1	14.1	50	40.4
M675697		74	3.1	14.9	57	33.9
M675698		73	3.4	14.6	57	31.4
M675699		74	4.3	16.1	227	32.2
M675700		74	5.9	14.3	83	35.0
M675701		65	6.0	11.1	2510	28.1
M675702		62	4.4	12.7	315	27.3
M675703		66	3.7	11.3	142	32.2
M675704		71	3.8	14.0	46	35.0
M675705		68	4.0	13.3	386	32.7
M675706		44	5.4	8.5	9560	16.3

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: KLAZA

Finalized Date: 13-AUG-2015
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH15115629

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	ME-MS61

ALS Canada Ltd.

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 11-AUG-2015
Account: ROCKHA

CERTIFICATE WH15115630

Project: KLAZA

P.O. No.: BATCH 95

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 2-AUG-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21d	Sample logging - ClientBarCode Dup
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
BAG-06	Double Bagging Coarse Rejects
SPL-21d	Split sample - duplicate
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31d	Pulverize Split - duplicate

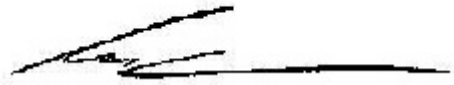
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Pb-OG62	Ore Grade Pb - Four Acid	VARIABLE
As-OG62	Ore Grade As - Four Acid	VARIABLE
Au-AA24	Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
ME-MS61	48 element four acid ICP-MS	
Ag-OG62	Ore Grade Ag - Four Acid	VARIABLE
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.

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VANCOUVER BC V6B 1L8

Finalized Date: 11-AUG-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15115630

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	Au-AA24 Au ppm 0.005	Au-GRA22 Au ppm 0.05	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05
M675707		2.17	<0.005		0.40	7.43	39.3	1690	1.50	0.23	1.32	5.48	48.0	5.1	11	17.45
M675708		3.15	0.014		0.42	7.41	70.5	2340	1.46	0.44	1.62	6.65	48.2	11.1	13	14.30
M675709		8.49	0.025		1.30	7.35	50.4	2430	1.59	0.22	2.79	2.97	45.3	7.3	12	12.30
M675710		1.25	2.03		>100	7.48	>10000	510	1.66	0.32	2.02	64.4	49.3	9.8	10	15.05
M675711		2.23	<0.005		0.71	7.49	73.0	2410	1.76	0.13	2.71	0.52	50.5	7.5	13	9.30
M675712		2.63	0.071		4.43	6.60	872	1520	1.53	0.17	2.54	29.2	43.6	8.6	14	21.7
M675713		1.32	0.015		0.66	8.25	87.7	1600	1.55	0.19	1.74	0.83	54.4	10.8	13	19.25
M675714		0.29	0.414		4.52	7.04	754	790	1.45	3.37	2.20	11.00	50.0	12.6	25	13.65
M675715		0.96	1.445		25.9	6.29	1605	1920	1.38	0.20	1.74	152.0	41.5	11.1	11	16.15
M675716		2.75	0.064		3.29	7.31	184.0	1730	1.86	0.11	2.61	20.7	47.3	7.7	12	24.7
M675717		5.43	0.028		0.53	8.18	37.4	2240	1.36	0.09	1.16	1.09	53.2	7.4	11	23.4
M675718		1.22	0.331		3.75	7.11	862	1580	1.77	0.08	2.23	12.60	43.1	7.6	11	23.2
M675719		0.37	0.891		11.75	6.84	1595	1140	1.46	12.45	1.99	33.5	46.5	17.8	20	13.60
M675720		1.25	>10.0	11.20	>100	4.91	>10000	290	1.17	0.13	0.59	20.0	27.2	6.5	14	16.75
M675721		3.56	0.129		1.69	8.08	334	1700	1.65	0.20	1.70	3.76	51.8	9.7	10	20.2
M675722		5.49	0.123		8.95	7.60	151.5	1550	1.57	0.19	3.21	0.54	45.3	8.4	14	26.4
M675723		<0.02	0.077		6.35	7.22	93.2	1450	1.45	0.17	3.03	0.44	41.1	7.6	12	25.8
M675724		8.26	<0.005		0.30	7.34	26.9	2350	1.57	0.09	2.93	0.20	42.6	7.2	12	27.2
M675725		4.90	<0.005		0.24	7.40	20.0	2490	1.64	0.09	3.12	0.35	42.6	7.4	13	26.0
M675726		1.88	0.242		37.6	6.95	440	980	1.45	0.10	2.58	99.7	43.9	8.4	11	18.10
M675727		1.84	<0.005		0.16	7.22	9.1	2590	1.72	0.08	2.98	0.36	38.2	7.7	13	14.70
M675728		2.29	0.174		7.05	7.11	983	1640	1.61	0.12	4.05	31.2	45.4	6.9	15	16.25
M675729		1.96	<0.005		0.13	7.27	11.6	2390	1.90	0.10	2.86	0.17	43.8	6.8	13	13.45
M675730		1.35	1.475		16.75	6.92	6310	600	1.43	0.23	2.58	32.7	50.3	7.2	9	14.50
M675731		5.08	0.006		0.07	0.09	12.9	30	0.06	0.03	20.9	0.17	1.28	0.7	1	0.24
M675732		1.88	0.012		0.73	7.17	62.7	1640	1.41	0.18	2.67	2.66	54.4	6.2	10	15.60
M675733		1.57	0.032		1.85	7.47	202	900	1.40	0.41	2.52	9.60	124.0	12.8	12	13.30
M675734		9.90	<0.005		0.68	7.36	27.7	2290	1.61	0.39	2.72	1.23	53.9	7.5	13	14.55
M675735		3.00	0.093		6.38	6.89	106.5	1710	1.37	2.20	2.63	7.92	65.9	7.9	12	11.25
M675736		1.03	2.27		51.3	6.57	3220	780	1.68	2.95	3.40	66.6	78.4	12.4	17	14.50
M675737		5.06	<0.005		0.16	0.11	12.1	200	<0.05	0.05	21.4	0.35	1.80	0.7	1	0.23
M675738		2.92	0.085		3.21	6.53	84.1	1690	1.39	0.62	2.97	6.68	40.9	6.2	11	14.75
M675739		3.38	<0.005		0.24	6.93	15.8	2390	1.37	0.26	2.47	0.25	45.9	8.4	14	12.25
M675740		1.80	<0.005		0.21	7.41	13.6	2380	1.51	0.24	2.57	0.23	50.1	8.1	12	12.20
M675741		1.52	<0.005		0.21	7.31	8.4	2170	1.67	0.14	2.75	0.60	46.3	5.1	12	12.60
M675742		0.97	0.403		19.65	6.79	395	430	1.34	6.32	1.95	14.45	59.2	36.6	10	12.35

***** See Appendix Page for comments regarding this certificate *****

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 11-AUG-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15115630

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni
	Units	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	LOR	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2
M675707		10.8	2.65	16.60	0.12	1.2	0.047	3.20	23.5	54.7	0.44	1320	1.29	0.11	8.1	2.4
M675708		27.4	3.14	16.65	0.11	1.2	0.124	3.23	26.0	190.5	0.63	1230	1.62	0.24	7.8	3.2
M675709		19.5	3.13	16.75	0.13	1.3	0.058	3.07	22.6	13.6	0.76	781	2.00	2.18	8.5	2.5
M675710		260	4.72	16.60	0.12	1.2	0.051	3.59	27.5	14.1	0.57	1180	1.77	1.27	7.6	2.5
M675711		12.1	3.28	17.35	0.14	1.3	0.039	2.91	25.5	16.9	0.89	715	1.68	2.43	8.8	2.8
M675712		23.5	2.94	15.25	0.14	1.3	0.041	3.07	22.8	71.4	0.74	1880	2.75	0.20	7.7	2.5
M675713		19.8	3.15	17.70	0.15	1.2	0.039	3.62	30.1	56.5	0.65	1270	2.68	0.17	8.4	3.1
M675714		321	5.37	16.00	0.12	1.2	0.295	3.17	29.2	30.5	0.85	1960	14.05	0.16	6.5	14.9
M675715		75.7	3.54	14.00	0.09	1.0	0.040	2.76	20.9	28.4	0.70	2110	2.21	0.02	6.5	2.7
M675716		18.9	3.01	16.25	0.12	1.1	0.045	2.88	25.7	105.5	0.90	1700	2.25	0.04	7.9	2.3
M675717		19.2	3.18	17.85	0.12	1.3	0.042	3.13	28.3	42.9	0.51	761	1.94	0.16	8.7	2.8
M675718		16.9	2.90	16.85	0.10	1.2	0.042	3.44	22.1	64.4	0.72	1400	3.22	0.06	7.8	2.7
M675719		291	6.97	15.90	0.11	1.1	0.775	3.07	24.7	22.8	0.83	1860	9.25	0.13	6.7	12.3
M675720		101.5	4.23	10.85	0.06	0.7	0.030	2.01	13.4	37.7	0.29	382	21.3	0.02	4.6	3.0
M675721		25.9	2.96	16.95	0.08	1.5	0.036	3.08	28.5	106.0	0.67	1180	2.60	0.06	8.3	2.2
M675722		34.7	3.18	17.10	0.12	1.4	0.039	3.43	23.2	82.2	0.88	1010	1.53	0.50	8.1	2.4
M675723		28.7	2.87	15.70	0.11	1.4	0.039	3.29	21.3	81.3	0.82	949	1.16	0.45	7.6	2.0
M675724		9.9	3.20	16.80	0.13	1.3	0.039	3.05	20.5	76.0	0.76	736	1.25	1.55	8.1	2.4
M675725		11.0	3.21	17.15	0.16	1.4	0.041	2.88	20.0	108.5	0.75	838	1.24	2.06	8.5	2.5
M675726		52.6	3.90	15.25	0.11	1.1	0.327	3.35	24.6	71.9	0.91	4940	15.60	0.20	6.5	2.7
M675727		7.5	3.26	17.00	0.14	1.4	0.038	2.98	18.3	13.0	0.76	763	1.31	2.32	8.5	2.5
M675728		42.2	3.53	15.60	0.16	1.4	0.255	3.50	25.1	31.1	1.22	2530	1.84	0.22	7.7	2.4
M675729		8.7	2.97	17.10	0.17	1.5	0.043	2.83	22.0	14.0	0.72	638	1.40	2.24	8.9	2.8
M675730		125.0	4.65	15.65	0.11	1.2	0.074	3.14	28.3	13.4	0.65	2440	1.20	0.16	7.1	2.5
M675731		2.9	0.49	0.27	0.12	<0.1	0.005	0.04	0.6	1.3	13.30	210	0.18	0.01	0.2	1.5
M675732		12.4	2.91	17.05	0.18	1.3	0.054	3.32	28.2	34.8	0.70	2010	1.50	0.63	8.3	2.3
M675733		13.2	3.24	16.60	0.16	1.5	0.199	3.55	85.0	17.7	0.74	3590	1.22	0.09	7.8	2.1
M675734		12.0	3.16	17.60	0.12	1.6	0.096	2.97	28.4	11.9	0.80	831	1.69	2.12	8.9	2.3
M675735		19.5	3.82	16.60	0.15	1.3	0.232	2.73	36.9	38.2	0.90	1640	2.92	0.50	7.9	2.4
M675736		140.0	4.54	15.40	0.12	1.7	0.604	2.55	47.0	38.9	1.18	1740	2.79	0.21	7.7	3.0
M675737		3.7	0.50	0.32	0.20	<0.1	0.009	0.04	0.9	1.3	13.50	211	0.18	0.01	0.2	1.6
M675738		21.2	3.12	16.35	0.15	1.4	0.124	2.57	20.0	33.4	0.81	1260	2.35	1.05	8.2	2.3
M675739		12.7	2.97	16.60	0.14	1.1	0.069	2.72	23.0	9.4	0.74	639	2.46	2.35	8.2	2.7
M675740		9.6	3.12	17.10	0.16	1.2	0.060	2.81	26.3	10.0	0.84	634	1.92	2.42	8.4	2.6
M675741		6.4	3.07	17.75	0.16	1.3	0.056	2.62	23.3	9.7	0.75	575	1.75	2.48	8.5	2.5
M675742		29.7	8.56	14.85	0.10	1.1	0.267	3.37	32.9	8.4	0.71	1850	2.15	0.20	6.7	3.3

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 11-AUG-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15115630

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
	LOR	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02
M675707		560	63.7	130.5	<0.002	0.17	16.60	10.1	1	1.7	81.1	0.72	<0.05	12.9	0.241	1.96
M675708		590	54.7	161.5	<0.002	0.43	27.4	10.7	1	1.8	107.0	0.59	0.09	14.1	0.246	2.10
M675709		600	74.4	121.5	<0.002	0.18	17.75	10.8	1	2.0	333	0.65	0.54	12.4	0.269	1.61
M675710		550	2530	189.0	<0.002	2.49	331	10.2	<1	3.2	229	0.61	<0.05	13.9	0.238	2.15
M675711		640	32.6	109.0	<0.002	0.02	4.24	11.5	1	1.9	391	0.68	<0.05	14.0	0.276	1.33
M675712		560	496	136.0	<0.002	0.80	28.7	9.9	<1	1.9	99.6	0.61	<0.05	12.0	0.242	2.41
M675713		680	55.1	165.0	<0.002	0.77	22.4	11.8	1	2.2	116.5	0.60	<0.05	14.2	0.286	2.62
M675714		540	510	167.5	0.003	2.78	29.0	9.7	1	5.8	111.5	0.52	0.30	12.6	0.214	2.66
M675715		480	4300	163.0	<0.002	3.03	40.5	9.2	1	3.7	64.0	0.47	<0.05	9.9	0.221	2.79
M675716		610	449	137.5	<0.002	0.54	27.5	10.8	<1	2.2	128.0	0.58	<0.05	12.6	0.261	2.67
M675717		650	44.2	141.5	<0.002	0.09	22.2	12.0	1	2.2	89.6	0.69	<0.05	15.6	0.277	1.71
M675718		580	799	138.0	<0.002	1.37	25.4	10.7	<1	3.8	110.0	0.62	<0.05	12.5	0.257	2.94
M675719		550	1335	167.5	0.002	4.76	64.8	9.7	2	8.4	98.4	0.51	1.14	12.1	0.214	2.77
M675720		310	>10000	111.5	<0.002	3.57	291	6.3	<1	5.1	84.4	0.37	<0.05	7.1	0.155	2.64
M675721		630	226	144.5	<0.002	0.80	30.0	10.9	1	2.8	117.0	0.69	<0.05	14.7	0.266	2.24
M675722		610	81.5	139.0	<0.002	0.43	28.0	10.4	1	1.8	205	0.64	<0.05	12.4	0.264	2.35
M675723		590	34.1	126.0	<0.002	0.35	22.1	9.6	1	1.6	187.5	0.60	<0.05	11.4	0.255	2.23
M675724		620	29.8	113.5	<0.002	0.09	6.59	10.7	<1	1.8	293	0.61	<0.05	11.6	0.267	1.71
M675725		630	40.9	109.0	<0.002	0.05	6.93	11.3	1	1.8	364	0.62	<0.05	11.7	0.272	1.48
M675726		520	>10000	153.0	<0.002	1.29	51.9	9.4	1	2.7	115.5	0.49	<0.05	11.4	0.225	2.64
M675727		630	41.7	93.3	<0.002	0.03	2.49	10.1	1	1.6	392	0.58	<0.05	8.8	0.278	1.48
M675728		550	1205	193.5	<0.002	1.82	19.15	9.5	1	3.5	128.5	0.52	<0.05	10.1	0.236	2.80
M675729		590	23.2	107.5	<0.002	0.04	2.83	10.7	<1	1.6	367	0.59	<0.05	9.8	0.263	1.43
M675730		530	4750	158.5	<0.002	2.84	60.4	10.0	<1	4.6	78.2	0.60	0.07	13.6	0.224	2.60
M675731		200	16.3	1.7	<0.002	0.01	0.24	0.2	<1	<0.2	48.4	<0.05	<0.05	0.2	<0.005	<0.02
M675732		610	207	137.5	<0.002	0.32	9.36	10.4	1	2.4	169.5	0.63	0.06	12.6	0.266	2.43
M675733		570	531	194.5	<0.002	1.01	8.91	9.8	1	3.5	86.0	0.64	0.10	15.1	0.240	3.00
M675734		590	99.8	125.0	<0.002	0.18	2.46	10.9	1	2.0	344	0.73	0.19	14.3	0.255	1.49
M675735		580	334	120.5	<0.002	1.11	7.30	10.7	1	2.8	145.0	0.62	0.74	12.7	0.249	2.07
M675736		560	6420	151.5	<0.002	2.75	57.2	8.9	1	4.4	156.0	0.56	0.66	11.8	0.239	2.51
M675737		170	27.4	2.1	<0.002	0.01	0.30	0.2	<1	<0.2	52.6	<0.05	<0.05	0.2	<0.005	0.03
M675738		570	322	94.1	<0.002	0.39	7.92	9.4	<1	2.4	225	0.65	0.12	10.9	0.247	2.10
M675739		550	40.9	110.5	<0.002	0.10	2.37	10.0	1	1.9	352	0.62	0.07	12.1	0.245	1.32
M675740		600	29.1	122.0	<0.002	0.10	2.25	11.2	1	2.0	366	0.66	0.08	14.2	0.256	1.40
M675741		600	60.9	105.0	<0.002	0.03	1.72	11.0	1	1.9	401	0.67	<0.05	12.2	0.260	1.34
M675742		520	1525	197.0	<0.002	7.69	17.05	9.4	1	3.4	92.0	0.53	3.05	11.3	0.214	2.69

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 11-AUG-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15115630

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Ag-OG62	Pb-OG62	As-OG62
	Analyte	U	V	W	Y	Zn	Zr	Ag	Pb	As
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	LOR	0.1	1	0.1	0.1	2	0.5	1	0.001	0.001
M675707		4.6	68	4.9	16.5	584	37.4			
M675708		5.7	68	8.9	15.4	529	33.5			
M675709		3.2	74	3.7	15.7	294	36.7			
M675710		4.7	65	4.3	14.8	7030	33.8	139		1.515
M675711		3.3	74	2.1	18.5	149	36.3			
M675712		4.5	65	3.3	14.5	1640	36.5			
M675713		4.7	77	3.7	14.5	108	34.1			
M675714		5.2	68	6.1	12.1	892	31.7			
M675715		3.8	59	4.7	10.1	9520	26.4			
M675716		4.4	72	4.7	15.2	1140	30.0			
M675717		2.8	77	5.7	17.1	133	37.4			
M675718		4.2	70	4.4	12.3	895	35.7			
M675719		5.2	65	6.4	11.9	2440	29.9			
M675720		7.1	45	5.5	8.1	1340	19.4	135	2.28	2.15
M675721		4.1	72	6.4	15.1	303	42.0			
M675722		4.1	72	3.8	14.7	74	40.5			
M675723		3.9	69	3.9	13.3	65	40.1			
M675724		3.7	73	3.8	15.2	53	37.6			
M675725		3.6	75	2.8	16.5	65	39.4			
M675726		8.1	63	4.8	15.1	8750	31.4		1.050	
M675727		2.9	76	2.4	14.7	76	38.0			
M675728		4.0	64	4.4	15.4	3300	34.8			
M675729		3.2	70	1.8	16.5	48	39.7			
M675730		4.7	62	4.9	13.4	3770	31.8			
M675731		0.9	2	0.1	0.8	25	<0.5			
M675732		5.7	72	6.3	16.5	304	34.1			
M675733		6.5	67	11.8	16.7	1020	40.2			
M675734		4.8	70	4.4	18.0	161	45.5			
M675735		4.9	69	9.7	14.5	658	34.1			
M675736		6.5	62	6.6	15.2	4470	58.5			
M675737		0.6	2	0.1	0.9	34	0.5			
M675738		3.8	70	5.0	14.3	452	40.1			
M675739		3.7	65	4.0	15.6	57	31.0			
M675740		4.4	70	4.2	17.1	57	33.7			
M675741		3.6	70	2.3	16.6	67	34.8			
M675742		4.2	61	7.3	13.3	987	28.5			

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ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: KLAZA

Finalized Date: 11-AUG-2015
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH15115630

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Ag-OG62	As-OG62	Au-AA24	Au-GRA22
ME-MS61	ME-OG62	Pb-OG62	

ALS Canada Ltd.

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 12-AUG-2015
Account: ROCKHA

CERTIFICATE WH15115631

Project: KLAZA

P.O. No.: BATCH 96

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 2-AUG-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21d	Sample logging - ClientBarCode Dup
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
BAG-06	Double Bagging Coarse Rejects
SPL-21d	Split sample - duplicate
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31d	Pulverize Split - duplicate

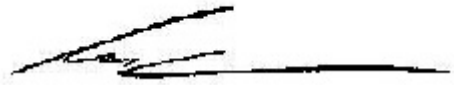
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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VANCOUVER BC V6B 1L8

Finalized Date: 12-AUG-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15115631

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
M675743		3.92	<0.005	0.35	6.63	55.2	1740	1.64	0.16	2.46	0.26	40.3	5.9	11	18.10	7.7
M675744		2.71	0.200	34.6	6.42	439	1600	1.62	0.59	2.30	13.40	42.4	6.2	8	15.90	61.4
M675745		5.08	0.013	0.74	6.58	29.4	1220	1.54	0.39	2.34	0.85	38.9	6.5	8	10.45	6.7
M675746		2.57	0.054	1.67	6.28	52.7	1300	1.51	0.54	2.23	0.93	41.3	14.0	10	11.65	6.0
M675747		4.99	<0.005	0.03	0.09	0.5	30	0.06	0.03	20.1	0.07	1.18	0.6	<1	0.18	8.2
M675748		8.56	<0.005	0.36	6.16	24.7	2480	1.33	0.13	3.11	0.46	37.6	5.4	7	17.90	8.5
M675749		5.73	0.034	0.72	6.65	60.4	1840	1.53	0.19	2.73	0.49	62.1	5.8	7	19.25	18.2
M675750		0.29	0.889	11.15	6.45	1550	190	1.42	11.50	1.81	31.9	45.2	16.5	21	12.60	291
M675751		4.44	<0.005	0.12	6.46	71.9	1580	1.82	0.14	2.98	0.16	56.2	5.9	16	25.2	8.1
M675752		2.28	0.095	4.12	6.59	261	820	1.65	0.28	2.50	13.20	83.9	9.9	5	19.85	13.0
M675753		7.11	0.016	3.38	6.85	75.5	2500	1.55	0.18	2.58	0.81	47.8	5.9	7	22.7	34.6
M675754		7.87	<0.005	0.23	6.89	11.3	2340	1.68	0.14	2.56	0.30	42.8	6.3	10	17.35	17.4
M675755		3.34	0.017	0.64	6.56	192.0	2300	1.65	0.13	2.19	0.58	42.0	6.2	8	24.2	16.3
M675756		3.00	0.319	14.80	6.76	647	1330	1.69	0.69	2.22	11.25	47.8	6.0	6	20.7	139.0
M675757		<0.02	0.350	15.30	6.57	709	560	1.59	0.81	2.15	12.60	47.3	6.1	6	21.0	149.5
M675758		3.87	0.076	2.14	6.63	127.5	1810	1.77	0.66	2.32	2.03	42.2	5.1	7	14.75	97.9
M675759		4.33	0.039	0.42	7.01	26.5	2200	1.78	0.23	2.54	0.33	41.4	5.6	10	13.50	46.3
M675760		1.17	0.068	0.81	6.30	68.9	910	1.68	0.43	2.99	0.48	43.2	6.1	7	20.7	6.4
M675761		1.86	<0.005	0.29	6.63	20.4	1800	1.60	0.29	2.74	0.24	36.9	7.6	9	17.25	4.3
M675762		1.64	0.272	4.94	6.53	84.6	1470	1.54	1.02	2.57	21.6	41.2	6.8	8	17.55	62.1
M675763		6.95	0.018	0.27	6.54	18.7	2140	1.67	0.28	3.49	0.82	41.7	7.0	9	11.45	15.6
M675764		2.42	0.106	1.71	6.59	133.5	1770	1.66	0.67	2.55	5.96	37.8	12.2	10	18.05	13.9
M675765		5.22	<0.005	0.01	0.08	<0.2	30	0.07	0.02	19.65	0.08	1.21	0.6	<1	0.21	2.2
M675766		5.73	0.011	0.22	6.63	16.6	2040	1.17	0.15	2.60	0.62	40.6	5.2	8	12.20	9.4
M675767		5.93	<0.005	0.08	7.26	7.2	2100	1.69	0.12	2.55	0.11	47.4	6.8	9	14.70	14.2
M675768		4.98	0.131	1.30	7.45	106.0	1880	1.74	0.37	2.84	5.63	49.4	7.0	9	21.2	22.9
M675769		1.96	0.086	1.04	7.26	77.3	2020	1.80	0.32	2.93	5.32	50.6	7.5	7	23.2	19.8
M675770		7.36	0.033	0.81	7.33	160.0	1720	1.77	0.23	2.62	1.76	50.7	6.7	8	27.6	11.4
M675771		0.29	0.377	4.54	6.63	707	640	1.38	3.36	2.00	11.25	49.9	12.1	24	14.35	316
M675772		0.68	0.139	5.92	7.04	201	1240	2.32	0.47	1.85	37.5	53.6	8.2	9	47.5	45.7
M675773		7.33	0.006	0.14	7.59	99.7	930	1.79	1.42	2.88	0.47	69.5	6.2	14	25.7	18.4
M675774		8.57	0.027	0.93	7.62	161.0	2540	1.79	2.90	2.35	4.54	56.3	5.0	10	26.7	18.3
M675775		0.97	3.71	59.0	5.72	1280	770	1.46	6.16	1.12	57.9	44.7	8.6	7	21.7	501
M675776		3.75	0.174	1.73	7.72	294	2580	1.99	0.48	2.56	3.10	54.4	5.7	6	31.5	11.0
M675777		10.16	0.037	0.24	7.13	59.2	2310	1.75	0.28	2.54	0.31	45.1	6.4	10	20.2	6.8
M675778		5.46	0.014	0.34	7.05	38.9	1710	1.65	0.15	2.95	0.41	46.0	6.7	7	22.5	10.9

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 12-AUG-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15115631

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
M675743		2.63	16.10	0.14	1.1	0.039	2.94	16.9	23.3	0.64	1080	1.33	1.11	7.2	2.5	570
M675744		2.95	15.85	0.11	1.2	0.138	2.99	20.2	22.3	0.73	1680	1.94	0.54	7.1	2.4	570
M675745		3.54	15.25	0.15	0.9	0.085	1.92	17.6	14.5	0.74	1020	1.48	2.06	7.0	2.8	560
M675746		3.47	14.75	0.12	0.9	0.091	1.79	19.6	10.9	0.74	1080	1.49	2.15	6.8	3.6	540
M675747		0.47	0.24	0.12	<0.1	0.005	0.03	0.6	1.4	12.40	203	0.07	0.01	0.1	1.3	190
M675748		2.67	15.80	0.15	0.9	0.047	2.67	15.7	12.7	0.57	868	1.14	1.21	7.1	2.1	590
M675749		2.66	16.10	0.16	0.9	0.079	3.24	30.8	14.1	0.70	1340	1.14	0.62	7.2	2.0	620
M675750		6.54	15.30	0.11	0.9	0.765	2.84	22.7	18.5	0.76	1870	8.66	0.13	6.0	11.9	550
M675751		2.49	18.10	0.14	4.2	0.031	2.19	26.8	71.0	0.79	722	1.16	0.59	9.6	5.2	1120
M675752		3.39	16.05	0.14	0.8	0.121	3.04	49.8	13.5	0.89	3270	1.12	0.03	6.6	2.4	540
M675753		2.83	16.55	0.14	1.0	0.069	3.23	23.4	19.7	0.74	2050	1.29	0.26	7.2	2.5	590
M675754		2.82	16.40	0.17	1.0	0.046	2.76	19.9	11.0	0.61	923	1.22	1.90	7.2	2.4	590
M675755		2.57	16.00	0.13	1.0	0.051	3.07	19.5	27.2	0.69	1220	1.43	0.38	7.2	2.2	570
M675756		3.21	15.15	0.13	1.0	0.204	2.87	24.3	22.6	0.70	2400	2.47	0.03	6.4	2.5	540
M675757		3.30	14.95	0.14	1.0	0.196	2.78	23.7	23.0	0.68	2380	4.54	0.02	6.4	2.5	540
M675758		3.12	15.90	0.14	1.4	0.118	3.43	19.5	28.9	0.63	2260	1.08	0.65	7.4	2.0	580
M675759		3.08	15.90	0.16	1.1	0.095	2.96	19.2	10.1	0.71	1120	4.02	1.93	7.3	2.4	610
M675760		2.77	16.00	0.16	1.1	0.047	3.47	20.9	10.7	0.89	1960	6.37	0.16	6.8	2.2	580
M675761		2.89	16.95	0.12	1.1	0.060	3.05	15.7	27.7	0.58	1040	4.21	1.19	7.4	2.5	610
M675762		2.44	16.45	0.13	1.3	0.396	2.85	19.1	33.0	0.68	688	1.17	0.74	7.6	3.0	600
M675763		2.84	15.95	0.14	1.3	0.055	2.62	18.5	15.5	0.69	584	1.28	2.02	7.3	2.8	600
M675764		2.79	16.60	0.16	1.0	0.105	2.85	16.3	26.3	0.70	860	4.02	1.28	7.5	2.5	600
M675765		0.46	0.23	0.13	<0.1	0.007	0.03	0.6	1.2	12.10	194	0.09	0.01	0.1	1.4	180
M675766		2.83	14.55	0.14	1.0	0.057	2.50	18.4	10.1	0.76	559	1.13	1.81	7.0	2.1	600
M675767		2.84	16.30	0.13	1.4	0.037	2.61	24.7	10.7	0.72	490	1.10	2.29	8.2	2.8	580
M675768		2.93	15.70	0.13	1.4	0.126	2.98	25.9	35.6	0.74	723	1.27	1.49	7.9	2.6	610
M675769		2.99	16.75	0.16	1.5	0.119	2.99	25.6	35.9	0.68	742	1.17	1.47	8.6	2.7	640
M675770		3.07	15.85	0.13	1.3	0.050	3.60	26.7	41.6	0.78	1570	1.22	0.23	7.8	2.7	580
M675771		5.00	14.95	0.13	1.1	0.310	2.85	28.5	23.7	0.78	1940	14.00	0.15	6.1	14.5	520
M675772		3.33	16.85	0.14	2.3	0.146	2.91	28.6	30.4	0.80	1960	3.03	0.04	8.3	4.0	730
M675773		2.56	18.95	0.15	3.5	0.029	2.55	37.8	125.5	0.72	558	2.74	0.06	10.5	5.0	1010
M675774		3.31	16.55	0.15	1.4	0.088	3.29	30.3	26.9	0.79	1300	2.02	0.62	8.0	2.5	650
M675775		5.00	13.95	0.13	1.5	0.873	2.30	24.0	27.6	0.54	4160	15.75	0.03	6.7	3.0	500
M675776		2.82	16.35	0.14	1.4	0.104	3.51	29.7	23.3	0.75	2240	1.31	0.06	8.3	2.4	620
M675777		3.03	16.45	0.15	1.3	0.062	2.86	22.4	16.3	0.75	866	1.23	1.98	8.2	2.8	620
M675778		2.95	16.30	0.13	1.2	0.054	2.96	23.5	28.0	0.85	730	1.04	1.18	8.1	2.6	620

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 12-AUG-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15115631

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
M675743		24.1	118.5	<0.002	0.18	5.12	9.9	1	1.7	256	0.59	<0.05	10.7	0.247	2.25	3.1
M675744		680	140.5	<0.002	0.90	30.3	9.4	1	2.1	189.0	0.57	0.07	10.9	0.242	2.67	3.4
M675745		55.6	99.1	<0.002	0.28	3.59	9.6	<1	2.1	265	0.55	0.13	10.6	0.240	1.62	3.0
M675746		64.8	99.2	<0.002	0.54	6.35	9.1	1	2.1	231	0.55	0.19	10.3	0.236	1.75	4.3
M675747		1.9	1.4	<0.002	<0.01	0.09	0.2	<1	<0.2	42.5	<0.05	<0.05	<0.2	<0.005	<0.02	0.6
M675748		27.8	95.6	<0.002	0.08	7.30	9.3	<1	1.7	258	0.55	<0.05	9.9	0.244	1.65	2.9
M675749		26.7	148.5	<0.002	0.45	11.45	10.3	<1	2.5	167.5	0.57	<0.05	11.7	0.250	2.81	3.6
M675750		1400	155.0	<0.002	4.70	64.0	9.1	2	7.9	93.6	0.49	1.02	12.1	0.211	2.44	4.9
M675751		15.0	64.3	<0.002	0.04	12.85	5.1	<1	1.3	615	0.64	<0.05	8.5	0.311	1.37	3.5
M675752		623	200	<0.002	1.73	13.90	9.6	1	3.9	107.0	0.52	0.06	11.9	0.229	2.96	4.1
M675753		136.5	140.0	<0.002	0.59	10.10	9.7	<1	2.1	169.0	0.56	<0.05	11.4	0.252	2.81	4.1
M675754		23.4	113.5	<0.002	0.08	2.88	10.4	1	1.7	361	0.54	<0.05	12.2	0.251	1.54	3.1
M675755		38.7	133.0	<0.002	0.48	8.40	10.3	1	1.8	189.5	0.56	<0.05	11.2	0.241	2.80	2.9
M675756		605	186.0	<0.002	1.87	40.2	9.6	1	4.1	206	0.53	0.08	11.4	0.225	2.84	4.0
M675757		635	179.5	0.002	1.95	42.2	9.4	<1	3.8	193.5	0.51	0.07	11.1	0.223	2.83	4.0
M675758		180.0	148.5	<0.002	0.41	7.67	9.9	<1	1.9	206	0.66	<0.05	11.8	0.238	2.50	4.1
M675759		23.9	120.5	<0.002	0.14	3.93	10.3	<1	1.8	349	0.59	<0.05	11.0	0.254	1.78	3.4
M675760		26.4	161.0	0.002	0.43	11.50	9.9	1	2.1	122.5	0.53	0.17	10.9	0.241	3.31	4.0
M675761		22.5	121.5	0.002	0.35	3.74	10.2	<1	1.7	264	0.56	0.12	10.4	0.255	2.05	3.5
M675762		919	105.0	<0.002	0.49	10.95	9.9	<1	2.0	248	0.61	0.08	11.7	0.249	1.77	3.4
M675763		41.7	92.5	<0.002	0.11	2.40	10.5	1	1.5	437	0.62	0.09	11.2	0.254	1.20	3.7
M675764		166.5	123.0	<0.002	0.66	6.73	10.6	1	2.0	263	0.58	0.21	11.0	0.251	2.13	4.1
M675765		1.9	1.4	<0.002	0.01	0.10	0.2	<1	<0.2	45.6	<0.05	<0.05	<0.2	<0.005	<0.02	0.4
M675766		40.0	89.8	<0.002	0.09	2.61	9.6	<1	1.5	366	0.56	<0.05	10.7	0.255	1.22	3.2
M675767		17.7	109.0	<0.002	0.03	1.87	10.5	1	1.5	395	0.71	<0.05	14.2	0.251	1.22	4.5
M675768		231	137.0	<0.002	0.33	7.32	9.9	1	1.6	338	0.72	0.07	13.5	0.252	1.76	5.3
M675769		178.5	136.5	<0.002	0.30	6.98	10.9	1	1.7	344	0.77	0.05	13.2	0.262	1.91	5.4
M675770		93.8	161.5	<0.002	0.90	13.20	9.8	1	1.5	207	0.70	<0.05	13.8	0.249	2.71	4.2
M675771		487	165.5	0.004	2.66	28.1	8.7	1	5.4	108.5	0.49	0.35	11.6	0.206	2.57	5.4
M675772		1165	162.0	<0.002	1.96	22.3	8.2	1	3.1	269	0.64	0.08	11.5	0.260	2.65	7.0
M675773		32.5	98.6	<0.002	0.59	8.98	6.0	1	2.6	370	0.72	0.09	11.3	0.300	1.53	5.1
M675774		166.5	159.0	<0.002	1.10	9.40	10.0	1	2.7	248	0.63	0.25	13.8	0.263	2.40	4.4
M675775		1660	145.5	<0.002	3.92	102.0	8.3	1	9.6	118.5	0.52	0.53	9.9	0.213	2.36	7.1
M675776		161.0	179.0	<0.002	1.24	14.50	10.4	1	2.2	206	0.70	0.17	14.1	0.259	3.30	4.7
M675777		34.9	119.5	<0.002	0.17	6.09	10.2	1	1.7	384	0.67	0.09	12.3	0.255	1.59	4.7
M675778		45.7	124.5	<0.002	0.21	6.90	10.3	1	1.6	332	0.63	<0.05	12.1	0.259	2.03	3.8

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Finalized Date: 12-AUG-2015
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CERTIFICATE OF ANALYSIS WH15115631

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	V	W	Y	Zn	Zr
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	1	0.1	0.1	2	0.5
M675743		67	4.6	12.5	59	28.5
M675744		65	6.8	12.1	1240	38.5
M675745		67	3.0	11.1	121	26.1
M675746		67	5.8	11.2	124	24.6
M675747		2	0.1	0.7	17	<0.5
M675748		67	3.2	12.4	77	23.1
M675749		70	5.2	13.8	66	26.3
M675750		64	5.9	10.5	2510	26.6
M675751		53	1.0	8.2	75	162.5
M675752		58	3.9	12.0	853	21.8
M675753		68	3.9	13.5	95	25.9
M675754		67	1.7	14.0	57	25.6
M675755		66	3.3	13.3	80	26.2
M675756		62	4.8	11.6	868	29.7
M675757		62	4.9	11.3	963	29.3
M675758		66	2.6	13.2	205	39.7
M675759		71	1.9	13.8	66	31.2
M675760		69	3.3	12.6	77	29.6
M675761		71	2.3	12.7	66	31.7
M675762		69	2.5	13.6	1460	40.3
M675763		68	1.6	15.1	88	33.9
M675764		72	2.5	12.6	384	31.0
M675765		2	0.1	0.8	14	0.5
M675766		72	1.8	13.4	79	28.2
M675767		69	1.4	17.2	40	37.7
M675768		70	1.7	16.6	389	37.1
M675769		75	1.8	19.0	351	40.0
M675770		67	2.7	15.8	149	36.3
M675771		65	5.3	12.5	898	32.3
M675772		62	2.7	14.6	2490	83.6
M675773		53	1.4	12.6	65	131.0
M675774		68	2.6	16.0	322	39.9
M675775		55	6.0	11.0	4660	51.8
M675776		69	4.6	16.0	292	37.0
M675777		70	1.3	16.4	59	34.6
M675778		71	1.7	16.0	73	34.2

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Finalized Date: 12-AUG-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15115631

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	ME-MS61

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 21-AUG-2015
Account: ROCKHA

CERTIFICATE WH15115633

Project: KLAZA

P.O. No.: BATCH 99

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 2-AUG-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
CRU-32	Fine Crushing 90% <2mm
SPL-21	Split sample - riffle splitter
PUL-35a	Pulv 1 kg split to 95%<106 um
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate
PUL-35ad	Pulv 1 kg split to 95%<106 um DUP
BAG-01	Bulk Master for Storage
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
BAG-06	Double Bagging Coarse Rejects
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Zn-OG62	Ore Grade Zn - Four Acid	VARIABLE
Zn-VOL50	Zn by titration	
As-OG62	Ore Grade As - Four Acid	VARIABLE
Au-AA24	Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
ME-MS61	48 element four acid ICP-MS	
Ag-OG62	Ore Grade Ag - Four Acid	VARIABLE
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Cu-OG62	Ore Grade Cu - Four Acid	VARIABLE
Pb-OG62	Ore Grade Pb - Four Acid	VARIABLE

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
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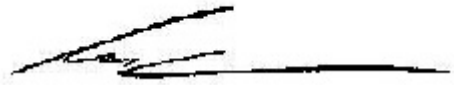
This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.

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CERTIFICATE OF ANALYSIS WH15115633

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	Au-AA24 Au ppm 0.005	Au-GRA22 Au ppm 0.05	Au-GRA22 Au Check ppm 0.05	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1
R499382		2.13	>10.0	14.55		>100	0.59	1905	530	0.16	1725	1.06	>1000	2.53	5.3	1
R499383		1.44	>10.0	9.86	9.53	>100	3.79	8140	1580	1.16	289	0.76	>1000	22.0	8.0	8
R499384		4.26	3.07			29.8	4.63	8190	620	1.10	12.75	1.52	38.9	35.5	29.5	8
R499385		0.17	>10.0	14.20		>100	4.69	167.0	660	0.48	2.01	2.14	886	19.15	63.3	49
R499386		5.72	0.996			31.4	3.64	1065	400	1.08	18.20	3.42	29.9	32.1	55.8	10
R499387		3.59	<0.005			0.07	0.08	3.0	30	0.12	0.07	20.6	0.25	1.52	0.7	1
R499388		3.88	4.30			>100	0.68	>10000	1730	0.20	178.0	1.67	829	4.31	97.5	10
R499389		1.71	1.540			38.7	4.74	752	1870	1.14	12.95	1.42	584	26.0	14.5	32
R499390		0.95	1.770			82.9	1.74	882	190	0.48	103.0	1.28	3.50	9.02	51.8	15
R499391		1.64	0.758			92.4	3.17	5070	290	0.86	3.46	8.06	151.0	21.2	7.4	7
R499392		5.37	>10.0	19.60		>100	3.71	>10000	1540	0.93	29.0	0.97	452	20.4	4.3	9
R499393		1.78	7.06			>100	3.03	8640	420	0.91	35.4	3.17	411	21.6	3.7	6
R499394		0.35	1.760			38.6	5.81	2460	1170	1.10	32.4	1.63	41.6	39.5	17.2	22
R499395		1.58	>10.0	46.8		>100	2.16	>10000	330	0.62	125.0	1.49	>1000	9.14	3.4	7
R499396		3.56	0.224			12.20	7.61	945	1380	1.50	4.30	1.52	38.5	42.7	16.2	12
R499397		<0.02	0.210			14.30	6.85	797	1580	1.45	3.93	1.36	38.1	44.0	16.0	11
R499398		2.57	>10.0	21.4		>100	4.02	>10000	1840	0.84	25.0	0.55	>1000	21.1	4.9	8
R499399		2.52	0.134			8.10	2.28	80.2	270	0.47	1.41	0.44	13.00	3.79	4.8	18
R499400		2.52	0.458			4.03	6.30	540	60	1.05	1.76	0.50	17.35	15.25	15.1	10
R499401		2.49	0.304			5.89	6.25	253	390	1.37	1.43	2.51	46.3	44.2	6.0	7
R499402		1.40	>10.0	12.30		75.6	4.36	>10000	220	0.82	2.87	0.82	697	23.5	12.8	8
R499403		1.23	9.43			15.50	5.76	>10000	210	1.06	11.05	1.54	226	39.2	6.4	10
R499404		1.79	>10.0	20.0		>100	2.27	>10000	30	0.57	219	1.23	>1000	14.70	3.5	6
R499405		4.17	0.009			0.04	0.05	7.0	30	0.05	0.05	20.2	0.77	1.16	0.6	<1
R499406		1.88	7.28	6.51		>100	1.45	6590	50	0.28	117.5	0.82	44.8	7.89	12.2	9
R499407		1.29	>10.0	15.50		>100	1.86	>10000	40	0.33	8.01	0.62	975	12.65	4.1	9
R499408		1.40	2.56			>100	3.42	8440	190	0.75	1.68	2.51	318	24.3	7.2	9
R499409		<0.02	2.48			>100	3.57	9340	200	0.83	1.42	2.62	332	25.4	10.2	9
R499410		1.17	>10.0	21.4		>100	0.17	>10000	30	0.07	5.82	0.85	>1000	85.0	1.1	7
R499411		2.05	>10.0	34.9		>100	0.48	5070	40	0.10	691	0.18	12.55	4.33	114.5	13
R499412		1.04	2.79			40.6	4.11	5520	30	0.86	15.55	2.84	655	21.6	4.1	9
R499413		1.34	5.76			>100	3.61	6630	30	0.69	452	2.28	986	12.90	7.1	9
R499414		2.71	>10.0	14.15		32.8	3.47	6770	30	0.79	21.7	1.36	34.6	12.70	131.0	9
R499415		1.37	1.615			>100	4.16	1470	80	0.77	2.04	0.69	268	112.5	71.8	10
R499416		1.23	4.20			73.3	5.21	>10000	110	1.30	1.15	1.52	88.8	49.6	8.5	13
R499417		1.55	>10.0	17.45		>100	4.40	>10000	60	0.82	0.41	0.97	414	15.75	3.9	7

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CERTIFICATE OF ANALYSIS WH15115633

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
	LOR	0.05	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1
R499382		2.07	9690	16.10	2.70	0.08	<0.1	146.0	0.25	0.9	2.8	0.33	2420	3.21	0.01	0.5
R499383		11.00	4130	10.15	9.70	0.09	0.8	61.1	1.59	10.3	11.5	0.39	1140	2.63	0.03	3.4
R499384		9.59	104.0	5.88	11.35	0.08	0.8	0.639	1.65	20.9	58.8	0.56	1650	4.30	0.02	4.9
R499385		1.48	>10000	9.66	16.35	0.13	0.5	3.26	0.84	9.8	6.9	0.84	1780	158.0	1.12	2.2
R499386		7.39	186.0	6.55	8.43	0.07	0.9	0.411	0.91	18.4	74.5	1.15	1740	26.0	0.02	4.6
R499387		0.19	3.4	0.50	0.25	0.06	<0.1	0.020	0.03	0.8	1.8	12.85	218	0.12	<0.01	0.3
R499388		1.33	3710	28.5	2.57	0.12	<0.1	6.23	0.28	1.8	4.0	0.67	1840	1.30	<0.01	0.7
R499389		11.65	608	9.51	13.00	0.11	1.6	1.490	1.95	9.2	17.0	0.50	1270	6.31	0.02	4.0
R499390		1.60	2670	10.65	4.64	0.06	0.1	0.834	0.79	4.9	13.3	0.48	764	2.09	0.01	1.5
R499391		6.75	279	6.31	8.29	0.07	0.6	0.548	1.31	11.3	12.8	2.90	4050	4.04	0.02	3.4
R499392		11.50	1745	7.04	9.33	0.08	0.7	10.10	1.45	10.8	24.4	0.38	1860	12.05	0.01	3.5
R499393		11.00	383	6.40	7.38	0.08	0.5	6.15	1.22	11.5	33.7	1.09	7280	27.0	0.01	3.3
R499394		10.25	1145	8.77	13.70	0.12	0.7	1.535	2.50	21.6	16.2	0.67	2270	15.95	0.06	4.8
R499395		6.43	3750	9.12	6.02	0.07	0.3	36.3	0.88	3.6	14.1	0.54	1980	12.30	0.01	1.9
R499396		17.20	74.9	5.79	16.20	0.10	1.0	0.914	3.19	23.5	21.3	0.77	2090	9.81	0.02	6.8
R499397		17.45	70.3	5.08	16.40	0.12	0.9	0.815	2.91	23.7	20.6	0.69	1840	9.43	0.02	7.0
R499398		6.16	1585	9.30	14.40	0.09	0.5	56.4	1.76	9.6	11.5	0.28	1870	13.60	0.01	4.0
R499399		4.45	33.4	3.15	5.89	0.05	0.2	0.227	0.95	1.9	17.9	0.31	510	2.61	0.03	2.8
R499400		9.09	30.3	6.48	14.75	0.08	0.9	0.326	2.88	6.6	13.2	0.46	428	3.94	0.03	5.5
R499401		15.75	45.2	3.44	15.65	0.10	1.2	0.628	2.58	23.7	61.0	0.95	1440	5.24	0.02	6.8
R499402		9.21	196.5	9.16	11.25	0.10	1.1	1.945	1.94	11.8	23.1	0.40	855	6.39	0.02	4.6
R499403		12.15	409	5.24	14.55	0.09	0.8	6.73	2.40	21.7	25.4	0.60	1680	3.83	0.02	5.9
R499404		7.01	>10000	8.97	6.52	0.09	0.5	57.0	0.90	7.0	19.5	0.44	1760	35.2	0.01	2.4
R499405		0.22	5.4	0.48	0.19	0.11	<0.1	0.022	0.02	0.5	1.0	12.45	224	0.36	<0.01	0.1
R499406		1.23	>10000	25.6	3.87	0.14	0.2	7.80	0.69	3.9	6.5	0.33	655	4.42	0.01	1.3
R499407		2.58	631	10.60	5.99	0.08	0.3	2.43	0.81	6.3	11.3	0.28	3160	13.05	0.01	1.9
R499408		9.14	260	4.97	8.83	0.07	0.7	0.941	1.42	13.7	24.8	0.87	2900	8.91	0.01	3.9
R499409		9.03	237	5.04	8.98	0.06	0.7	0.899	1.47	14.2	26.7	0.92	3010	9.11	0.02	3.9
R499410		0.26	916	23.8	3.28	0.19	<0.1	4.96	0.07	44.7	5.7	0.16	2170	3.14	<0.01	0.1
R499411		0.38	>10000	30.6	2.03	0.15	0.1	7.77	0.23	2.5	5.1	0.06	220	9.13	<0.01	0.4
R499412		10.40	839	7.23	9.72	0.07	0.5	6.02	1.74	9.7	19.4	1.00	4850	11.45	0.02	4.0
R499413		8.92	2640	8.06	8.92	0.08	0.5	17.85	1.53	3.3	17.6	0.81	3960	8.30	0.01	3.9
R499414		4.12	145.5	11.45	8.75	0.09	0.4	0.424	1.64	5.0	19.8	0.49	1420	32.7	0.02	3.3
R499415		4.83	1040	8.32	11.30	0.11	0.7	17.95	1.76	76.5	7.8	0.37	1180	1.05	0.06	4.5
R499416		18.40	124.5	6.15	13.25	0.08	1.2	0.329	2.19	26.7	25.6	0.34	1070	3.56	0.02	6.3
R499417		7.55	253	12.10	16.60	0.11	0.9	1.830	2.05	6.3	10.0	0.31	11700	226	0.02	3.1

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Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Units	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.2	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005
R499382		1.5	40	>10000	14.6	<0.002	>10.0	239	0.9	9	17.3	38.4	<0.05	2.62	0.5	0.016
R499383		2.4	240	6980	101.0	0.002	>10.0	155.0	5.2	3	8.2	74.1	0.27	0.69	5.2	0.112
R499384		4.6	370	5160	88.7	<0.002	4.54	101.5	6.1	1	5.5	113.0	0.37	0.94	6.5	0.153
R499385		19.3	570	>10000	27.0	0.072	>10.0	188.0	11.5	10	19.2	235	0.14	0.54	1.8	0.184
R499386		6.1	340	3420	50.1	0.006	5.47	81.2	4.0	1	6.5	198.5	0.31	2.96	5.0	0.124
R499387		1.6	170	9.4	1.2	<0.002	0.01	0.27	0.2	<1	<0.2	48.9	<0.05	<0.05	<0.2	<0.005
R499388		2.5	70	>10000	15.2	<0.002	>10.0	484	0.8	3	18.6	44.0	0.06	8.00	0.8	0.022
R499389		3.5	620	6210	109.5	<0.002	>10.0	64.2	13.8	2	5.2	137.0	0.25	0.18	3.2	0.279
R499390		2.2	140	385	50.3	<0.002	>10.0	200	2.6	1	7.8	28.1	0.12	2.95	2.6	0.053
R499391		2.4	290	>10000	79.7	<0.002	4.64	131.0	4.7	1	6.0	198.0	0.26	0.17	4.8	0.111
R499392		2.5	250	>10000	77.6	<0.002	6.78	430	4.8	1	9.6	64.9	0.29	<0.05	6.4	0.115
R499393		1.6	190	>10000	65.8	<0.002	5.80	216	5.2	1	8.9	111.0	0.25	<0.05	5.2	0.107
R499394		14.5	440	1620	141.5	0.002	7.62	106.0	8.3	1	10.5	64.6	0.38	0.65	9.1	0.164
R499395		1.5	150	>10000	45.5	<0.002	>10.0	1245	2.7	3	18.9	78.1	0.16	0.08	3.0	0.066
R499396		2.8	570	3770	154.5	<0.002	3.32	48.8	9.5	1	7.6	71.4	0.57	0.35	11.9	0.243
R499397		2.9	500	3220	152.5	<0.002	2.92	49.1	9.5	1	7.9	70.4	0.55	0.30	11.6	0.218
R499398		1.9	280	>10000	88.2	<0.002	>10.0	418	5.5	2	16.7	24.0	0.33	<0.05	6.4	0.127
R499399		1.9	150	3160	56.3	<0.002	2.63	27.7	4.0	<1	2.5	18.2	0.27	0.17	4.9	0.084
R499400		2.9	460	775	169.5	<0.002	6.60	13.40	7.6	1	5.7	28.0	0.43	0.36	9.5	0.173
R499401		2.7	500	1970	154.5	<0.002	2.31	21.3	9.2	1	6.1	154.5	0.55	0.20	11.1	0.203
R499402		2.9	320	>10000	116.0	<0.002	>10.0	112.0	5.4	2	7.8	54.2	0.36	0.46	6.6	0.137
R499403		2.5	430	1250	125.5	<0.002	4.09	77.2	7.9	1	9.5	75.9	0.47	0.11	10.7	0.182
R499404		1.9	150	>10000	49.7	<0.002	>10.0	758	2.5	5	8.3	52.9	0.18	0.23	3.5	0.075
R499405		1.7	160	8.2	1.2	<0.002	0.01	0.21	0.1	<1	<0.2	48.6	<0.05	<0.05	<0.2	<0.005
R499406		1.6	90	2640	43.2	<0.002	>10.0	222	1.6	1	10.6	17.4	0.10	1.60	2.1	0.039
R499407		2.5	150	>10000	62.1	<0.002	>10.0	954	2.4	2	17.1	18.7	0.17	0.28	3.2	0.064
R499408		3.2	340	>10000	97.8	0.002	4.85	155.0	4.5	1	13.9	242	0.33	0.06	5.9	0.124
R499409		3.6	360	>10000	98.4	0.002	4.90	158.5	4.6	1	13.4	256	0.33	0.06	5.9	0.129
R499410		1.3	60	>10000	4.1	<0.002	>10.0	491	0.7	3	25.1	29.2	<0.05	0.43	0.2	<0.005
R499411		2.3	30	3360	12.7	0.004	>10.0	268	0.6	5	21.1	5.3	<0.05	7.35	0.7	0.014
R499412		1.7	250	7690	94.0	<0.002	6.61	112.5	5.6	1	5.8	102.0	0.33	0.08	6.7	0.128
R499413		2.5	290	>10000	85.7	<0.002	10.00	199.0	5.7	3	7.3	117.0	0.30	0.72	3.8	0.136
R499414		4.8	180	5330	107.5	<0.002	>10.0	86.7	3.4	2	9.5	46.9	0.25	1.54	4.0	0.101
R499415		3.7	270	>10000	106.5	<0.002	9.86	195.5	4.8	1	6.6	30.4	0.39	0.97	6.7	0.133
R499416		4.4	500	9750	160.0	<0.002	5.87	189.5	6.5	1	4.4	156.5	0.46	0.18	8.1	0.199
R499417		2.6	630	>10000	138.5	<0.002	9.92	481	7.7	1	31.0	45.1	0.17	0.18	1.4	0.223

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 21-AUG-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15115633

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Ag-OG62	Cu-OG62	Pb-OG62	Zn-OG62	Zn-VOL50	As-OG62
	Analyte	Tl	U	V	W	Y	Zn	Zr	Ag	Cu	Pb	Zn	Zn	As
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	%
	LOR	0.02	0.1	1	0.1	0.1	2	0.5	1	0.001	0.001	0.001	0.01	0.001
R499382		0.99	1.0	6	0.5	1.6	>10000	2.9	981		3.31	>30.0	33.81	
R499383		1.94	3.0	36	4.8	6.6	>10000	28.4	212			11.20		
R499384		1.74	6.1	47	3.0	8.5	3140	26.6						
R499385		8.07	2.4	127	8.5	12.8	>10000	11.9	131	2.89	2.49	15.40		
R499386		1.10	11.0	34	3.3	8.9	2200	38.2						
R499387		<0.02	0.7	2	0.1	0.8	38	0.5						
R499388		0.39	0.6	5	0.6	2.1	>10000	5.5	355		2.28	7.02		1.630
R499389		2.45	9.8	108	15.2	14.1	>10000	64.7				3.84		
R499390		0.63	1.6	19	2.2	3.3	279	6.5						
R499391		1.37	4.8	35	4.2	9.2	>10000	23.6			1.665	1.130		
R499392		1.78	2.8	32	3.6	7.0	>10000	16.4	148		3.79	2.93		4.15
R499393		1.57	3.9	34	4.2	8.2	>10000	15.3	115		1.960	2.86		
R499394		2.19	5.7	55	7.1	9.9	3330	22.5						
R499395		1.34	1.8	18	2.9	4.3	>10000	9.7	761		15.85	10.45		3.29
R499396		3.18	8.7	68	7.1	12.3	2800	31.7						
R499397		3.19	8.2	62	7.1	12.0	2500	30.7						
R499398		1.76	3.1	35	3.3	6.8	>10000	18.7	102		1.430	11.70		2.69
R499399		0.85	1.6	30	2.5	3.7	918	8.8						
R499400		2.36	2.4	51	6.1	5.9	1010	29.1						
R499401		2.51	5.8	57	6.4	12.6	3070	38.2						
R499402		1.90	4.3	40	3.8	8.9	>10000	37.3			3.44	4.88		2.06
R499403		2.39	3.8	49	6.8	9.4	>10000	25.1				1.325		2.12
R499404		1.29	7.1	20	2.5	5.0	>10000	17.4	285	0.994	2.72	18.85		1.485
R499405		0.02	0.5	2	0.1	0.7	64	<0.5						
R499406		0.57	0.8	15	1.2	3.2	3550	4.9	173	1.095				
R499407		0.98	1.9	20	2.9	4.9	>10000	6.9	655		14.10	6.65		4.46
R499408		1.47	6.4	35	3.3	6.1	>10000	23.5	134		3.17	2.28		
R499409		1.51	6.4	37	3.4	6.0	>10000	24.3	128		3.01	2.24		
R499410		0.20	0.7	3	0.2	26.7	>10000	<0.5	252		2.93	12.95		4.90
R499411		0.23	0.4	9	1.2	0.7	809	1.6	369	2.81				
R499412		2.04	3.0	36	6.2	8.0	>10000	13.9				4.20		
R499413		1.85	5.1	43	4.2	8.8	>10000	11.8	341		3.22	6.56		
R499414		1.45	3.2	34	2.9	8.4	2620	11.6						
R499415		1.53	3.1	56	8.8	7.3	>10000	18.4	145		3.94	2.96		
R499416		2.12	4.0	50	3.7	8.0	6340	43.5						1.245
R499417		2.34	4.9	81	6.3	7.4	>10000	34.5	110		1.575	2.80		6.07

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: KLAZA

Finalized Date: 21-AUG-2015
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH15115633

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

BAG-01	BAG-06	CRU-32	CRU-QC
LOG-21	LOG-21d	LOG-23	PUL-35a
PUL-35ad	PUL-QC	SPL-21	SPL-21d
WEI-21			

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Ag-OG62	As-OG62	Au-AA24	Au-GRA22
Cu-OG62	ME-MS61	ME-OG62	Pb-OG62
Zn-OG62	Zn-VOL50		

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 15-AUG-2015
Account: ROCKHA

CERTIFICATE WH15115634

Project: KLAZA

P.O. No.: BATCH 99

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 2-AUG-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
FND-02	Find Sample for Addn Analysis

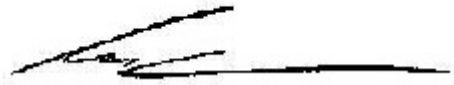
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION
C-GAS05	Inorganic Carbon (CO2)

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
2103 Dollarton Hwy
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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 15-AUG-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15115634

Sample Description	Method Analyte Units LOR	C-GAS05 C % 0.05	C-GAS05 CO2 % 0.2
R499382		0.62	2.3
R499383		0.39	1.4
R499384		0.92	3.4
R499385		0.11	0.4
R499386		1.83	6.7
R499387		12.25	44.8
R499388		0.96	3.5
R499389		0.65	2.4
R499390		0.67	2.5
R499391		4.53	16.6
R499392		0.60	2.2
R499393		2.16	7.9
R499394		0.90	3.3
R499395		0.80	2.9
R499396		1.05	3.8
R499397		1.07	3.9
R499398		0.32	1.2
R499399		0.24	0.9
R499400		0.23	0.9
R499401		1.40	5.1
R499402		0.50	1.8
R499403		0.85	3.1
R499404		0.68	2.5
R499405		12.70	46.5
R499406		0.44	1.6
R499407		0.55	2.0
R499408		1.52	5.6
R499409		1.46	5.3
R499410		0.50	1.9
R499411		0.09	0.3
R499412		1.95	7.1
R499413		1.40	5.1
R499414		0.72	2.6
R499415		0.33	1.2
R499416		0.58	2.1
R499417		1.02	3.7

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: KLAZA

Finalized Date: 15-AUG-2015
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH15115634

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.
FND-02

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.
C-GAS05

ALS Canada Ltd.

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 22-AUG-2015
Account: ROCKHA

CERTIFICATE WH15117165

Project: Klaza

P.O. No.: BATCH 97

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 5-AUG-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21d	Sample logging - ClientBarCode Dup
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
BAG-06	Double Bagging Coarse Rejects
SPL-21d	Split sample - duplicate
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31d	Pulverize Split - duplicate

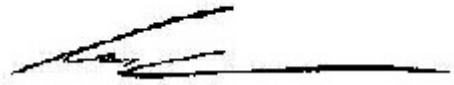
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Zn-OG62	Ore Grade Zn - Four Acid	VARIABLE
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	
Ag-OG62	Ore Grade Ag - Four Acid	VARIABLE
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
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VANCOUVER BC V6B 1L8

Finalized Date: 22-AUG-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15117165

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
M675779		1.34	0.133	1.79	7.16	53.6	620	1.47	0.23	3.10	4.93	47.1	6.9	9	21.2	18.6
M675780		1.27	0.043	1.08	7.38	56.7	2220	1.88	0.36	3.36	1.32	48.2	7.5	8	30.4	12.9
M675781		3.32	0.023	1.22	7.39	51.1	2570	1.42	0.74	2.87	0.90	55.0	6.2	9	25.0	8.9
M675782		3.42	0.209	3.60	7.34	559	1380	1.50	1.42	1.51	42.1	36.4	12.2	10	13.85	14.5
M675783		3.08	0.020	0.58	8.63	93.4	1530	1.93	0.57	1.95	0.83	53.2	8.7	11	32.4	5.6
M675784		<0.02	0.021	0.93	8.16	86.6	1390	1.88	0.75	1.95	0.89	55.9	9.7	9	30.7	6.3
M675785		6.50	0.008	0.08	7.64	12.4	2460	2.15	0.09	3.05	0.12	57.7	6.8	9	29.4	5.0
M675786		5.55	<0.005	0.15	7.93	16.2	2550	1.96	0.07	3.59	0.14	59.8	6.6	10	28.3	3.4
M675787		9.06	0.098	3.59	7.51	103.0	2360	1.81	0.53	3.03	8.53	58.7	8.7	17	28.5	21.1
M675788		7.13	0.005	0.36	7.20	25.7	950	2.25	0.23	3.67	0.84	54.0	6.1	29	31.0	11.3
M675789		9.93	0.005	0.27	7.48	27.8	2290	1.90	0.22	3.23	0.25	60.7	6.1	25	32.4	10.6
M675790		0.30	0.885	13.05	6.87	1560	1070	1.46	12.75	1.95	35.0	49.6	19.5	19	14.80	298
M675791		5.34	1.050	40.2	6.83	2380	1340	1.59	2.65	1.81	69.6	45.3	13.4	12	18.05	53.3
M675792		7.19	<0.005	0.19	8.27	25.1	2190	1.99	0.23	2.94	0.39	70.5	6.5	24	30.5	11.6
M675793		12.66	<0.005	0.18	7.63	19.4	1210	1.87	0.16	2.50	0.22	56.9	6.1	24	31.6	8.8
M675794		4.51	<0.005	0.28	7.91	28.6	1100	2.05	0.23	3.29	0.41	62.0	6.2	30	32.6	14.5
M675795		2.75	1.440	17.20	7.79	1555	1680	1.94	3.11	1.91	49.9	55.4	13.2	19	23.8	57.8
M675796		4.85	<0.005	0.03	0.08	0.9	30	0.08	0.04	22.4	0.11	1.40	1.0	<1	0.28	1.7
M675797		3.96	0.006	0.29	7.97	29.0	1860	1.51	0.25	3.24	0.52	61.5	7.2	14	31.1	8.7
M675798		5.02	0.010	0.47	8.21	47.9	1880	1.71	0.30	2.91	1.42	75.6	6.6	14	25.8	5.7
M675799		0.31	0.401	4.70	7.24	776	1000	1.45	3.32	2.24	11.45	52.8	13.0	26	14.35	341
M675800		1.33	0.135	11.45	6.43	375	640	1.63	0.66	3.99	84.4	81.1	11.8	6	17.25	22.4
M675801		4.67	<0.005	0.45	7.90	40.6	2050	1.77	0.22	2.65	1.58	55.0	8.0	13	26.3	12.0
M675802		10.59	<0.005	0.13	7.80	15.3	2550	1.58	0.20	3.04	0.32	52.2	7.8	12	27.9	11.5
M675803		8.10	0.010	0.13	7.94	19.0	1990	1.47	0.22	2.52	0.19	50.6	7.6	14	23.3	11.9
M675804		3.28	0.006	0.12	7.89	19.8	2070	1.62	0.23	2.59	0.17	55.7	8.4	10	23.5	14.1
M675805		1.12	0.020	2.32	7.97	50.9	1220	1.76	0.80	2.05	11.70	52.7	7.3	13	24.2	8.0
M675806		2.44	0.476	9.19	8.00	1115	1890	1.68	0.31	5.35	26.4	82.0	4.2	4	29.9	22.9
M675807		1.75	0.682	28.0	8.15	5150	1120	1.40	0.72	1.44	89.5	62.4	5.1	5	12.75	95.1
M675808		5.06	<0.005	0.06	0.08	2.8	30	<0.05	0.04	21.9	0.22	1.40	1.0	<1	0.24	1.8
M675809		1.90	2.07	>100	7.41	8680	1060	1.08	0.81	0.87	162.0	60.4	4.5	6	8.89	448
M675810		3.07	0.540	19.80	6.96	1045	280	1.15	3.80	2.36	52.4	59.3	10.3	5	16.50	45.1
M675811		5.20	0.030	0.77	6.69	72.3	1120	1.41	0.30	2.75	1.02	47.8	7.8	15	22.4	12.6
M675812		6.56	0.005	0.48	6.78	18.9	950	1.45	0.28	1.94	3.80	42.8	5.4	10	24.4	10.3
M675813		5.54	0.085	2.97	6.76	119.0	1040	1.61	0.12	2.37	6.16	47.8	6.7	14	24.3	24.1
M675814		0.95	0.581	7.37	6.32	2170	610	1.32	0.40	1.66	54.2	55.2	6.8	14	12.15	29.4

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 22-AUG-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15117165

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
M675779		3.25	16.00	0.20	1.6	0.075	3.19	24.1	36.2	1.08	810	1.23	0.28	8.1	3.4	640
M675780		2.66	16.70	0.21	3.0	0.050	2.93	25.2	46.0	1.08	751	1.13	0.06	9.1	3.9	700
M675781		3.26	15.70	0.22	1.3	0.088	2.95	29.5	43.7	1.18	943	0.91	0.05	8.2	2.7	650
M675782		3.82	16.10	0.18	1.0	0.200	3.60	19.3	12.2	0.66	1710	6.74	0.04	6.3	3.2	610
M675783		2.73	17.90	0.20	1.3	0.051	3.82	28.2	24.6	0.81	1180	1.98	0.05	8.3	2.9	620
M675784		2.76	18.45	0.15	1.3	0.055	3.65	27.3	29.1	0.76	1140	1.70	0.04	9.1	2.7	690
M675785		2.74	19.00	0.18	3.7	0.033	3.08	27.9	70.3	1.05	610	0.68	0.03	10.8	4.2	770
M675786		2.63	19.05	0.20	3.3	0.031	3.22	29.6	60.8	1.12	578	0.49	0.03	10.9	4.5	750
M675787		2.97	18.05	0.16	3.3	0.066	2.97	29.8	75.4	1.00	673	1.33	0.04	9.6	9.9	710
M675788		2.29	19.75	0.18	3.9	0.034	2.58	25.9	191.0	0.87	502	0.95	0.05	10.0	19.9	710
M675789		2.34	19.85	0.18	3.5	0.031	2.69	29.2	81.0	1.08	530	1.00	0.05	9.9	15.6	740
M675790		6.95	16.00	0.13	1.1	0.866	3.00	24.3	20.6	0.80	1820	8.93	0.13	7.0	12.9	540
M675791		4.88	15.35	0.16	1.6	0.189	2.91	22.2	18.9	0.75	2060	2.67	0.03	7.1	8.2	560
M675792		2.70	20.4	0.22	4.0	0.032	2.21	34.4	152.5	1.02	671	1.16	0.03	11.5	11.9	1090
M675793		2.31	19.15	0.18	3.2	0.030	2.88	27.1	56.3	0.86	487	1.11	0.06	9.6	14.6	780
M675794		2.71	20.4	0.19	3.9	0.027	2.79	30.4	107.5	1.21	791	0.95	0.05	10.3	18.4	720
M675795		3.90	18.30	0.15	2.8	0.270	3.07	27.1	28.8	0.87	1300	3.36	0.03	8.7	16.4	600
M675796		0.50	0.38	0.24	<0.1	0.005	0.03	0.6	1.8	13.80	211	0.16	<0.01	0.2	1.5	200
M675797		2.96	16.45	0.30	1.4	0.054	2.98	32.1	36.9	1.13	882	2.25	0.03	8.6	2.8	630
M675798		3.14	17.10	0.29	1.5	0.074	3.51	40.9	42.7	1.08	1580	2.36	0.06	8.9	2.7	650
M675799		5.55	15.65	0.16	1.1	0.317	3.20	28.4	26.0	0.85	1980	13.15	0.16	6.4	14.7	560
M675800		5.70	14.20	0.13	1.1	0.103	2.95	45.1	15.4	1.50	3240	3.44	0.03	6.5	2.6	500
M675801		3.23	16.55	0.17	1.5	0.044	3.33	27.4	60.0	0.78	856	1.87	1.19	8.7	3.3	620
M675802		3.21	16.55	0.18	1.4	0.044	2.94	25.8	38.7	0.79	677	1.91	1.29	8.7	2.4	630
M675803		3.18	17.30	0.20	1.6	0.046	3.05	24.1	76.4	0.72	930	37.7	0.93	9.2	2.5	620
M675804		3.27	17.05	0.24	1.6	0.051	3.00	26.8	66.4	0.75	915	29.3	1.00	9.4	2.4	630
M675805		3.35	17.80	0.17	1.6	0.066	3.37	25.5	83.8	0.74	2770	2.28	0.05	9.4	2.2	590
M675806		4.21	17.90	0.15	1.7	0.166	3.28	40.6	17.5	1.72	8360	4.72	0.06	6.1	2.9	1040
M675807		6.36	21.0	0.16	1.6	0.227	3.77	28.7	9.8	0.64	2540	3.13	0.07	5.7	3.2	1150
M675808		0.53	0.32	0.23	<0.1	<0.005	0.03	0.6	1.5	13.55	228	0.10	0.01	0.1	1.5	190
M675809		5.93	19.85	0.22	1.6	0.296	3.48	29.0	15.7	0.40	908	67.0	0.06	5.1	2.6	1060
M675810		6.27	18.80	0.12	1.6	0.220	3.35	30.0	10.6	0.98	2780	23.4	0.06	5.2	4.2	980
M675811		2.55	16.35	0.15	1.4	0.051	3.08	23.7	14.3	0.82	2130	3.61	0.03	8.6	2.6	560
M675812		2.67	16.15	0.18	1.4	0.052	2.80	20.7	53.3	0.64	1180	3.26	0.05	8.1	2.0	540
M675813		2.67	15.95	0.16	1.4	0.045	2.97	23.8	32.7	0.77	2390	6.14	0.03	8.3	2.6	530
M675814		3.67	15.20	0.17	1.2	0.237	3.08	29.9	14.6	0.63	2680	16.45	0.03	7.2	2.7	480

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 22-AUG-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15117165

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
M675779		281	121.5	<0.002	0.25	13.05	9.9	1	1.7	301	0.65	0.06	10.8	0.277	1.82	3.2
M675780		52.8	105.0	<0.002	0.20	21.8	8.0	1	1.8	376	0.70	<0.05	9.1	0.298	1.84	6.9
M675781		57.6	145.0	<0.002	0.24	12.20	11.2	1	2.0	280	0.64	0.09	12.4	0.268	1.90	2.8
M675782		953	213	<0.002	2.52	15.00	11.5	1	2.5	92.5	0.53	0.57	10.9	0.256	2.68	4.9
M675783		54.2	193.0	<0.002	0.51	8.75	11.2	1	1.8	202	0.67	0.06	13.9	0.279	3.20	3.8
M675784		48.8	186.0	<0.002	0.53	9.48	12.5	1	2.0	199.0	0.74	0.26	15.4	0.282	3.16	4.2
M675785		17.1	127.0	<0.002	0.08	17.80	8.3	1	1.5	642	0.81	<0.05	11.1	0.305	1.97	5.3
M675786		18.8	136.0	<0.002	0.12	25.1	7.9	1	1.2	567	0.82	<0.05	11.9	0.289	2.07	6.6
M675787		453	132.5	<0.002	0.73	21.8	8.1	1	1.9	631	0.75	0.16	12.2	0.281	2.20	4.9
M675788		40.6	84.6	<0.002	0.08	9.38	6.2	1	1.7	714	0.78	<0.05	10.9	0.288	1.48	4.9
M675789		25.6	95.7	<0.002	0.17	9.34	6.6	1	1.6	566	0.77	<0.05	11.4	0.288	1.81	5.3
M675790		1400	171.0	<0.002	4.88	75.4	10.2	2	8.3	103.0	0.57	1.57	12.5	0.220	2.78	5.7
M675791		8400	160.5	<0.002	3.79	56.6	8.9	1	4.3	182.0	0.56	1.40	11.5	0.234	2.75	3.8
M675792		30.0	81.5	<0.002	0.14	25.9	7.2	1	1.7	490	0.80	<0.05	11.2	0.356	1.64	4.6
M675793		28.8	92.8	<0.002	0.14	6.77	6.4	1	1.5	344	0.74	<0.05	10.9	0.297	1.86	4.8
M675794		29.5	97.2	<0.002	0.14	9.55	6.7	1	1.7	720	0.80	<0.05	11.8	0.304	1.90	5.6
M675795		3050	152.0	<0.002	2.13	35.2	9.0	1	3.4	310	0.71	2.19	12.9	0.275	2.50	7.1
M675796		4.5	1.5	<0.002	<0.01	0.17	0.2	1	<0.2	53.1	<0.05	<0.05	0.2	<0.005	0.02	0.8
M675797		35.1	132.5	<0.002	0.38	9.74	10.7	1	2.0	285	0.71	0.06	16.2	0.272	2.27	3.2
M675798		56.8	165.0	<0.002	0.37	12.65	11.3	1	2.2	221	0.73	0.07	16.6	0.278	2.67	5.0
M675799		552	167.5	0.003	2.96	31.3	9.7	1	5.7	116.0	0.53	0.33	12.7	0.225	2.62	5.4
M675800		3700	163.0	<0.002	2.87	19.25	9.2	1	3.1	202	0.53	0.24	12.3	0.207	2.57	10.6
M675801		99.1	138.5	<0.002	0.16	9.22	11.2	1	1.9	303	0.71	0.05	15.3	0.273	1.98	4.8
M675802		29.3	119.5	<0.002	0.10	9.65	11.2	1	1.7	311	0.71	<0.05	14.5	0.276	1.43	4.5
M675803		21.0	119.0	0.002	0.10	11.45	11.2	1	1.8	264	0.80	0.06	14.7	0.283	1.57	4.0
M675804		23.3	126.5	<0.002	0.10	10.35	11.7	1	2.0	262	0.79	<0.05	15.4	0.285	1.64	4.5
M675805		533	142.5	<0.002	0.66	14.20	11.2	1	2.2	165.0	0.80	0.49	15.7	0.268	2.64	7.4
M675806		1175	182.0	<0.002	1.73	28.5	13.1	1	4.5	323	0.37	0.14	5.0	0.399	3.38	6.4
M675807		4250	220	<0.002	6.03	53.4	14.7	1	18.5	108.0	0.31	0.43	3.4	0.421	3.55	3.7
M675808		12.4	1.5	<0.002	0.02	0.18	0.2	<1	<0.2	50.1	<0.05	<0.05	<0.2	<0.005	0.02	0.6
M675809		7420	209	<0.002	6.43	243	12.5	1	32.3	68.1	0.28	0.39	3.2	0.386	3.13	5.9
M675810		2000	208	<0.002	4.50	43.1	12.5	1	8.2	92.5	0.29	3.81	3.1	0.355	3.09	7.1
M675811		53.2	145.5	<0.002	0.54	13.75	10.2	1	2.0	154.5	0.68	0.07	12.4	0.241	3.29	5.9
M675812		134.5	111.5	<0.002	0.17	14.85	9.8	1	1.9	158.0	0.64	0.10	11.4	0.245	2.31	3.4
M675813		267	132.0	<0.002	0.62	25.5	9.7	<1	2.0	143.0	0.68	<0.05	11.8	0.235	2.66	9.1
M675814		1310	203	<0.002	2.96	41.0	9.4	1	4.8	62.8	0.56	0.08	10.9	0.206	2.85	8.0

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 22-AUG-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15117165

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Ag-OG62	Zn-OG62
	Analyte	V	W	Y	Zn	Zr	Ag	Zn
	Units	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	1	0.1	0.1	2	0.5	1	0.001
M675779		69	1.7	16.1	316	56.6		
M675780		71	2.0	15.5	144	118.5		
M675781		65	1.8	17.8	127	39.9		
M675782		76	6.1	10.0	2410	29.0		
M675783		76	3.6	13.7	86	41.4		
M675784		77	3.9	14.3	87	37.5		
M675785		71	2.2	15.1	66	132.5		
M675786		67	3.0	14.7	65	119.5		
M675787		65	2.8	13.5	599	119.5		
M675788		52	1.7	11.6	117	147.5		
M675789		54	2.1	12.8	67	123.0		
M675790		64	6.4	12.7	2510	32.2		
M675791		60	6.0	11.0	4590	51.5		
M675792		64	3.1	13.5	84	155.0		
M675793		55	2.8	12.3	70	111.0		
M675794		57	21.1	13.8	80	146.0		
M675795		65	37.8	15.2	3120	96.8		
M675796		2	0.2	0.9	19	0.9		
M675797		71	17.3	17.8	77	39.6		
M675798		74	10.4	18.4	126	40.8		
M675799		71	5.7	12.4	953	34.0		
M675800		62	9.3	15.5	5250	31.7		
M675801		73	3.1	17.7	143	40.2		
M675802		74	2.7	17.6	58	39.9		
M675803		74	4.9	16.4	47	42.0		
M675804		76	4.3	17.7	48	40.7		
M675805		71	18.2	15.5	781	43.2		
M675806		126	6.1	16.9	1790	60.2		
M675807		125	5.4	10.5	6160	55.5		
M675808		3	0.1	0.8	32	0.5		
M675809		111	4.8	10.2	>10000	60.6	103	1.060
M675810		112	7.9	12.1	3290	59.2		
M675811		68	6.3	14.9	99	42.4		
M675812		68	4.8	13.9	228	40.6		
M675813		65	3.9	15.7	397	40.6		
M675814		56	3.4	11.9	3400	33.6		

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: Klaza

Finalized Date: 22-AUG-2015
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH15117165

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Ag-OG62	Au-AA24	ME-MS61	ME-OG62
Zn-OG62			

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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 22-AUG-2015
Account: ROCKHA

CERTIFICATE WH15117166

Project: Klaza

P.O. No.: BATCH 98

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 5-AUG-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21d	Sample logging - ClientBarCode Dup
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
BAG-06	Double Bagging Coarse Rejects
SPL-21d	Split sample - duplicate
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31d	Pulverize Split - duplicate

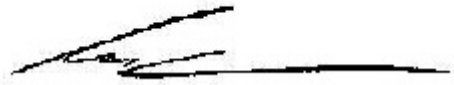
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
As-OG62	Ore Grade As - Four Acid	VARIABLE
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.

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Finalized Date: 22-AUG-2015
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Project: Klaza

CERTIFICATE OF ANALYSIS WH15117166

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
M675815		1.58	0.020	2.54	6.86	122.0	2650	1.66	0.12	2.07	11.20	44.6	6.9	12	24.9	16.1
M675816		2.68	0.071	2.58	6.59	320	1950	1.51	0.13	2.84	23.5	48.7	5.7	13	21.4	14.5
M675817		1.69	1.510	5.33	6.76	3950	780	1.48	0.11	1.87	45.1	51.7	6.6	10	21.7	30.4
M675818		3.16	0.184	5.46	6.91	749	1250	1.72	0.11	2.37	34.3	52.2	7.8	11	24.8	25.6
M675819		4.95	<0.005	0.04	0.08	7.2	20	0.05	0.03	20.6	0.20	1.35	0.6	2	0.24	1.1
M675820		8.16	<0.005	0.25	7.24	14.1	1950	1.47	0.16	2.44	0.31	51.4	7.1	11	20.3	8.8
M675821		1.15	0.382	12.45	7.21	1665	2010	1.55	0.51	2.91	4.36	49.3	7.1	11	17.75	20.7
M675822		2.44	<0.005	0.27	7.64	13.6	1970	1.56	0.15	3.04	0.15	44.5	6.4	12	18.50	44.3
M675823		2.22	<0.005	0.24	7.93	46.2	1190	1.80	0.12	1.65	0.32	49.4	6.2	10	24.4	12.7
M675824		<0.02	0.005	0.27	8.18	51.2	1350	1.87	0.14	1.70	0.36	49.9	6.3	12	25.2	13.7
M675825		7.84	<0.005	0.09	7.16	4.1	2240	1.62	0.14	2.68	0.12	45.1	7.3	11	14.85	17.3
M675826		9.14	<0.005	0.26	7.56	12.3	2160	1.58	0.16	2.83	0.55	54.6	7.8	11	22.4	22.3
M675827		5.73	<0.005	0.15	7.67	34.8	2000	1.52	0.19	2.23	0.15	50.3	7.0	13	28.0	25.4
M675828		0.33	0.369	4.55	6.63	710	1130	1.39	3.41	2.08	10.60	51.6	12.0	23	13.60	310
M675829		2.30	0.192	7.69	7.08	1710	1170	1.38	0.57	2.44	2.41	50.6	7.0	9	14.20	25.9
M675830		2.18	0.007	0.60	6.83	17.6	1680	1.57	0.79	2.88	0.14	53.6	17.7	12	22.4	7.2
M675831		1.46	<0.005	0.11	7.25	10.5	2230	1.66	0.34	2.37	0.15	49.5	6.9	12	10.70	12.5
M675832		3.13	0.021	0.79	6.70	71.8	2160	1.57	0.43	2.43	0.63	41.1	4.9	13	11.15	12.7
M675833		1.36	0.052	2.74	6.45	41.1	2080	1.45	1.74	2.78	14.05	41.7	6.2	12	10.55	52.7
M675834		6.92	<0.005	0.10	7.18	5.3	2220	1.66	0.32	2.58	0.23	46.0	6.8	13	15.40	6.3
M675835		4.27	<0.005	0.09	7.21	5.9	2210	1.66	0.52	2.54	0.12	51.6	7.1	12	13.75	6.9
M675836		0.94	0.021	0.98	7.00	80.7	2540	1.75	1.03	1.45	0.60	55.5	5.4	12	11.20	14.8
M675837		6.66	<0.005	0.19	7.26	9.9	2340	1.62	0.34	1.85	0.16	46.3	6.0	14	12.60	5.4
M675838		1.36	0.031	4.39	6.59	206	780	1.50	3.39	1.82	1.66	41.2	4.2	10	12.50	14.4
M675839		3.92	<0.005	1.74	8.47	46.5	760	1.85	0.41	1.95	1.39	52.3	4.8	8	27.6	8.9
M675840		1.54	0.584	13.75	6.31	714	460	1.14	16.45	0.76	3.08	35.6	9.3	10	7.46	32.9
M675841		5.04	<0.005	0.03	0.10	0.7	30	0.05	0.05	22.0	0.07	1.71	0.7	1	0.24	2.1
M675842		3.00	0.099	1.74	7.77	238	1770	1.34	0.82	2.30	0.34	53.5	2.8	17	10.45	8.2
M675843		6.90	0.027	0.71	6.76	78.0	2290	1.39	0.64	3.38	1.46	52.9	6.3	13	20.3	8.8
M675844		5.46	<0.005	0.07	7.60	5.7	2330	1.49	0.34	2.47	0.11	48.6	7.1	13	14.55	8.2
M675845		3.19	<0.005	0.43	8.31	31.1	1970	1.30	0.43	1.39	0.80	53.6	5.2	12	14.05	16.3
M675846		0.33	0.926	11.85	6.75	1610	1400	1.25	12.10	1.96	31.9	46.0	17.3	26	13.65	297
M675847		1.68	1.740	64.3	5.33	>10000	2530	0.90	6.28	0.84	69.4	26.3	5.9	14	7.59	250
M675848		2.41	<0.005	0.70	8.39	71.7	1780	1.35	0.28	1.27	0.98	55.8	6.0	15	25.8	9.0
M675849		1.68	0.066	3.91	7.00	114.0	1920	1.42	1.34	2.43	2.41	46.1	10.3	12	24.4	12.6
M675850		2.76	<0.005	0.32	8.37	19.8	2900	1.53	0.21	1.70	0.37	51.2	5.9	14	31.2	8.7

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 22-AUG-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15117166

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
M675815		2.54	16.35	0.16	1.5	0.059	2.91	21.8	71.1	0.68	1370	3.16	0.02	8.3	2.7	540
M675816		2.98	15.25	0.16	1.3	0.097	2.30	25.0	92.1	0.87	2340	2.47	0.02	7.6	2.5	520
M675817		3.19	15.95	0.16	1.2	0.065	2.73	27.1	26.8	0.67	1700	3.72	0.02	7.4	2.3	480
M675818		3.32	16.55	0.18	1.2	0.050	3.12	27.3	15.5	0.72	2120	2.87	0.02	8.0	2.5	530
M675819		0.46	0.27	0.28	<0.1	<0.005	0.03	0.7	1.0	12.10	203	0.24	0.02	0.2	1.4	190
M675820		2.94	16.95	0.19	1.4	0.051	3.04	25.9	45.1	0.64	663	2.09	0.89	8.4	2.2	580
M675821		4.60	15.55	0.17	1.3	0.093	3.52	24.4	37.1	0.96	3390	1.82	0.08	7.6	2.4	560
M675822		3.20	16.55	0.20	1.5	0.057	3.54	20.2	37.7	0.81	986	1.49	1.03	8.8	2.2	690
M675823		2.78	16.15	0.19	1.4	0.040	2.30	23.5	432	0.60	1040	1.29	0.06	8.4	2.0	610
M675824		2.70	17.10	0.20	1.4	0.040	2.25	23.6	460	0.61	1050	1.45	0.05	8.6	2.1	600
M675825		3.11	16.20	0.21	1.4	0.043	2.76	20.9	27.3	0.82	609	2.33	2.25	8.5	2.3	590
M675826		3.07	16.85	0.25	1.2	0.053	2.97	26.2	36.6	0.80	749	3.16	1.82	8.6	2.5	600
M675827		3.21	16.65	0.22	1.2	0.056	2.84	24.1	106.5	0.66	809	3.16	1.24	8.6	2.4	630
M675828		5.10	15.25	0.20	1.1	0.286	2.97	27.3	24.1	0.81	1870	15.95	0.15	6.5	14.3	500
M675829		4.10	14.60	0.19	1.1	0.193	3.38	26.0	13.3	0.86	2840	3.03	0.03	7.4	2.6	590
M675830		3.55	16.20	0.21	1.2	0.063	3.14	27.0	40.6	0.83	1100	2.78	0.38	7.8	2.4	540
M675831		2.90	16.80	0.25	1.2	0.043	2.63	24.5	30.8	0.77	528	2.78	2.10	8.5	2.9	570
M675832		3.01	15.30	0.21	1.4	0.120	3.42	19.0	12.6	0.63	1380	1.64	0.99	8.2	2.0	540
M675833		2.83	14.90	0.19	1.5	0.736	3.06	19.4	12.2	0.51	1380	1.64	0.96	8.2	2.1	510
M675834		3.05	16.60	0.21	1.4	0.066	2.87	21.5	12.5	0.71	758	1.33	1.85	9.2	2.4	590
M675835		2.97	16.95	0.25	1.3	0.056	2.72	24.9	11.9	0.75	751	1.27	1.91	9.0	2.6	570
M675836		4.21	16.65	0.20	1.2	0.182	3.26	28.9	27.6	0.83	2250	1.24	0.05	7.8	2.6	540
M675837		2.98	16.25	0.22	1.2	0.093	3.05	22.7	20.3	0.57	1120	1.45	0.66	8.3	2.1	580
M675838		4.43	14.65	0.19	1.0	0.206	3.18	21.1	8.5	0.76	2590	1.62	0.03	6.7	1.9	470
M675839		2.90	16.80	0.19	1.5	0.107	3.71	26.4	8.7	0.83	2140	1.29	0.03	8.5	2.0	650
M675840		9.36	14.60	0.15	1.0	0.435	3.10	17.5	7.0	0.38	1260	3.13	0.03	6.6	4.6	460
M675841		0.53	0.30	0.15	<0.1	0.007	0.04	0.8	1.0	13.70	217	0.15	0.01	0.2	1.8	200
M675842		3.23	14.80	0.18	1.3	0.156	3.81	27.5	7.2	0.87	2920	2.68	0.03	7.9	2.0	630
M675843		3.54	14.80	0.19	1.3	0.139	3.17	27.4	14.4	1.12	2370	1.51	0.04	7.7	3.5	520
M675844		3.39	17.85	0.17	1.7	0.056	3.15	22.2	15.8	0.68	811	1.20	1.33	9.4	2.4	620
M675845		3.53	16.95	0.18	1.5	0.136	3.57	26.8	25.5	0.72	1940	1.23	0.08	8.7	2.1	620
M675846		6.90	15.00	0.17	1.1	0.760	3.03	23.6	17.0	0.83	1840	9.28	0.13	6.7	12.3	540
M675847		6.75	11.60	0.13	0.9	0.391	2.57	12.8	12.9	0.36	3110	6.41	0.02	5.4	2.2	380
M675848		3.04	16.90	0.16	1.4	0.041	3.34	28.3	94.5	0.56	1260	1.00	0.10	8.4	1.8	630
M675849		3.66	14.55	0.19	1.2	0.047	2.72	23.9	70.0	0.86	1360	1.06	0.04	7.0	2.9	500
M675850		2.71	17.15	0.19	1.4	0.037	2.85	24.9	111.5	0.65	1060	1.14	0.06	8.7	2.0	630

***** See Appendix Page for comments regarding this certificate *****

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VANCOUVER BC V6B 1L8

Finalized Date: 22-AUG-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15117166

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
M675815		319	120.0	<0.002	0.56	17.65	10.1	1	1.8	215	0.67	<0.05	11.8	0.235	2.59	7.1
M675816		480	116.5	<0.002	0.71	19.60	9.8	<1	2.6	197.0	0.61	<0.05	12.2	0.226	2.32	4.9
M675817		931	159.0	<0.002	1.97	35.3	9.3	1	7.8	97.0	0.61	<0.05	12.0	0.213	2.49	4.6
M675818		1210	162.5	<0.002	2.05	19.90	10.1	<1	4.6	114.0	0.63	<0.05	12.6	0.233	3.18	7.2
M675819		6.4	1.7	<0.002	0.01	0.16	0.2	<1	<0.2	52.2	<0.05	<0.05	0.7	<0.005	0.03	3.8
M675820		27.6	119.5	0.002	0.17	9.77	10.6	1	2.2	226	0.66	0.05	11.1	0.261	1.76	3.6
M675821		2400	198.0	0.002	2.62	38.4	10.2	1	3.2	123.5	0.60	<0.05	11.2	0.250	2.71	4.8
M675822		21.8	123.5	<0.002	0.08	16.80	9.6	1	1.8	240	0.73	<0.05	11.1	0.283	2.04	3.3
M675823		25.7	84.7	0.002	0.24	43.9	10.4	1	1.8	169.0	0.67	<0.05	12.0	0.273	1.42	3.2
M675824		23.0	87.1	0.002	0.27	44.7	10.4	1	1.9	175.0	0.68	<0.05	11.9	0.275	1.44	3.2
M675825		18.0	92.0	0.002	0.01	2.79	10.0	1	1.7	376	0.70	<0.05	11.0	0.267	1.13	3.6
M675826		38.2	120.0	<0.002	0.05	6.75	11.1	1	2.0	328	0.68	<0.05	12.9	0.273	1.54	3.8
M675827		17.9	116.5	0.002	0.14	23.9	10.7	1	2.0	269	0.67	<0.05	12.8	0.279	1.45	3.5
M675828		485	158.0	0.005	2.70	28.9	9.1	1	6.0	106.0	0.54	0.34	11.0	0.212	2.37	5.1
M675829		631	215	<0.002	2.55	42.1	10.3	1	3.6	62.3	0.58	0.06	11.3	0.249	2.91	4.4
M675830		14.2	155.0	<0.002	1.06	11.60	9.9	1	1.9	144.0	0.63	0.33	12.5	0.232	2.35	4.0
M675831		20.5	104.0	0.002	0.24	3.22	10.3	1	2.0	369	0.69	0.12	13.3	0.250	1.23	3.9
M675832		105.5	141.5	<0.002	0.24	6.14	9.1	1	2.3	184.5	0.74	<0.05	10.5	0.234	2.08	4.3
M675833		203	123.5	<0.002	0.42	7.74	8.9	1	2.4	203	0.79	<0.05	11.3	0.226	1.77	5.1
M675834		19.3	111.0	<0.002	0.03	4.34	10.1	1	2.3	319	0.81	<0.05	11.5	0.261	1.41	3.8
M675835		16.5	119.0	0.002	0.03	3.85	10.6	1	2.4	322	0.79	<0.05	13.1	0.248	1.29	4.4
M675836		65.4	212	<0.002	0.62	15.05	10.2	1	3.5	76.3	0.62	<0.05	13.5	0.227	2.89	5.4
M675837		24.1	136.0	<0.002	0.18	12.25	10.4	1	2.3	152.0	0.65	<0.05	12.3	0.253	1.93	4.1
M675838		278	203	<0.002	2.16	19.15	8.7	1	3.5	68.6	0.59	<0.05	11.7	0.204	3.18	6.7
M675839		70.9	183.5	<0.002	0.29	8.37	10.8	1	2.3	252	0.73	0.55	14.3	0.283	3.59	5.3
M675840		824	197.0	0.002	8.90	20.7	9.0	1	6.0	24.1	0.57	0.45	11.0	0.201	2.62	5.2
M675841		2.5	2.1	<0.002	0.02	0.16	0.2	<1	<0.2	48.9	<0.05	<0.05	<0.2	<0.005	0.02	0.7
M675842		53.1	230	<0.002	0.49	11.50	9.5	<1	2.3	59.4	0.69	0.47	14.4	0.260	3.21	6.5
M675843		67.4	187.5	0.002	0.61	9.02	9.9	1	2.2	146.0	0.67	0.16	13.2	0.230	3.03	5.5
M675844		22.3	121.0	<0.002	0.03	7.99	10.8	1	2.3	262	0.81	<0.05	11.8	0.275	1.59	4.6
M675845		56.0	161.5	<0.002	0.20	14.80	10.4	1	2.3	81.6	0.76	<0.05	13.5	0.271	2.19	5.4
M675846		1340	161.0	<0.002	4.82	65.0	9.0	2	8.5	95.9	0.53	1.22	11.1	0.223	2.46	5.2
M675847		2870	162.0	<0.002	6.17	172.0	6.8	1	5.6	39.6	0.43	0.15	6.8	0.170	2.07	5.3
M675848		47.8	144.0	<0.002	0.12	22.5	10.5	1	2.0	146.5	0.72	<0.05	14.3	0.275	1.88	3.4
M675849		182.0	140.5	<0.002	1.54	34.0	8.9	1	1.9	123.5	0.57	<0.05	11.3	0.224	3.07	4.5
M675850		13.8	120.0	0.002	0.20	20.2	10.0	1	2.3	179.0	0.72	<0.05	13.2	0.286	2.07	3.7

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CERTIFICATE OF ANALYSIS WH15117166

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	As-OG62
	Analyte	V	W	Y	Zn	Zr	As
	Units	ppm	ppm	ppm	ppm	ppm	%
	LOR	1	0.1	0.1	2	0.5	0.001
M675815		66	3.3	14.9	675	42.4	
M675816		62	3.5	15.0	1430	34.5	
M675817		59	4.3	13.4	3170	35.4	
M675818		63	4.4	14.4	2090	35.1	
M675819		2	0.1	0.8	26	0.5	
M675820		68	3.1	15.0	54	41.6	
M675821		65	4.4	15.7	355	38.3	
M675822		72	2.9	14.9	46	43.9	
M675823		68	5.9	14.5	58	41.6	
M675824		68	6.2	14.9	58	41.0	
M675825		70	1.6	15.9	43	42.6	
M675826		72	3.5	17.2	69	35.4	
M675827		72	4.6	16.4	49	36.5	
M675828		65	5.8	11.9	866	34.0	
M675829		68	7.4	13.3	232	32.1	
M675830		65	3.3	15.2	41	35.2	
M675831		66	2.2	16.6	44	35.1	
M675832		63	3.3	13.4	110	39.3	
M675833		59	4.1	13.3	1520	40.1	
M675834		70	1.6	16.3	49	40.1	
M675835		67	1.3	18.0	50	37.6	
M675836		64	7.6	14.1	118	34.7	
M675837		68	3.3	14.9	59	33.1	
M675838		57	4.6	11.5	186	28.8	
M675839		75	4.8	14.8	216	40.3	
M675840		53	9.1	9.4	365	29.5	
M675841		2	0.1	0.9	17	<0.5	
M675842		68	6.0	14.0	66	35.5	
M675843		60	4.0	15.8	215	37.1	
M675844		72	2.7	17.0	56	45.6	
M675845		73	4.9	16.3	137	39.8	
M675846		64	6.1	11.3	2460	31.8	
M675847		49	6.5	7.6	5930	25.1	1.060
M675848		74	7.2	15.5	106	39.1	
M675849		65	7.8	14.3	199	34.4	
M675850		74	4.2	14.7	77	37.9	

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

2103 Dollarton Hwy
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www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: Klaza

Finalized Date: 22-AUG-2015
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH15117166

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

As-OG62	Au-AA24	ME-MS61	ME-OG62

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 20-AUG-2015
Account: ROCKHA

CERTIFICATE WH15117168

Project: Klaza

P.O. No.: BATCH 100

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 5-AUG-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21d	Sample logging - ClientBarCode Dup
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
BAG-06	Double Bagging Coarse Rejects
SPL-21d	Split sample - duplicate
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31d	Pulverize Split - duplicate

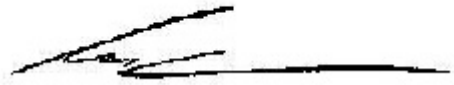
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Pb-OG62	Ore Grade Pb - Four Acid	VARIABLE
Zn-OG62	Ore Grade Zn - Four Acid	VARIABLE
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 20-AUG-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15117168

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
M675851		2.71	<0.005	0.10	7.72	12.5	2370	1.46	0.40	2.79	0.09	54.5	7.0	16	21.0	8.5
M675852		1.00	0.083	6.26	7.14	502	2010	1.44	0.20	2.51	26.1	44.2	6.1	15	16.90	42.9
M675853		3.30	<0.005	0.18	8.14	9.5	2430	1.49	0.16	2.14	0.22	49.5	7.0	14	9.59	17.9
M675854		1.61	0.256	3.41	6.96	207	1180	1.62	0.53	2.04	8.83	52.6	7.4	15	14.10	31.4
M675855		2.99	0.006	0.15	8.77	8.4	2220	1.25	0.18	0.46	0.19	59.4	6.1	14	8.91	14.8
M675856		2.58	0.066	0.97	6.78	41.1	1670	1.36	0.18	1.56	0.16	43.6	9.0	10	17.55	8.0
M675857		<0.02	0.114	0.89	6.58	44.5	1630	1.50	0.18	1.52	0.20	45.4	8.1	9	18.05	6.9
M675858		2.89	<0.005	0.12	8.06	5.0	2390	1.74	0.16	1.24	0.14	62.1	8.6	11	13.70	8.1
M675859		2.16	0.007	1.58	7.60	58.7	2240	1.43	0.22	1.01	15.85	53.2	8.0	9	16.20	21.7
M675860		2.26	0.034	1.76	6.97	359	1840	1.52	0.29	1.94	15.30	51.0	7.9	11	16.40	21.2
M675861		2.92	0.040	3.90	6.98	292	2560	1.42	0.22	1.52	30.8	45.9	7.1	13	15.40	23.7
M675862		1.88	<0.005	0.13	7.81	12.0	2050	1.13	0.15	0.64	0.24	59.2	6.6	10	13.45	5.6
M675863		2.59	0.098	1.47	6.55	967	2500	1.43	0.20	1.81	16.90	48.0	4.8	9	17.25	16.7
M675864		3.27	<0.005	0.26	8.01	29.4	1930	1.80	0.19	1.81	0.31	56.5	7.1	11	23.0	8.6
M675865		8.66	<0.005	0.08	7.36	8.4	2210	1.59	0.17	2.47	0.16	55.4	6.6	12	14.05	8.0
M675866		4.18	<0.005	0.07	7.55	6.1	2080	1.37	0.16	1.88	0.11	56.0	6.4	12	15.55	11.9
M675867		1.15	0.006	0.38	7.05	20.7	1940	1.56	0.21	1.59	0.29	54.3	10.3	8	24.1	4.6
M675868		0.30	0.357	4.32	6.57	681	370	1.43	3.37	2.05	9.98	50.6	12.4	27	14.65	319
M675869		1.10	0.286	39.9	4.27	197.5	210	1.32	0.25	1.60	28.0	32.1	6.3	12	15.70	29.1
M675870		2.75	<0.005	0.28	6.83	23.1	1150	1.82	0.25	1.81	0.21	43.8	7.0	14	27.5	3.5
M675871		5.38	<0.005	0.21	7.52	10.0	3100	1.08	0.13	1.05	0.14	55.8	6.9	10	13.35	8.1
M675872		2.58	<0.005	0.21	7.72	12.6	2380	1.21	0.18	1.10	0.09	56.0	7.9	11	12.95	10.6
M675873		5.61	<0.005	0.10	7.60	11.0	1960	1.21	0.60	1.56	0.09	47.4	6.4	10	12.85	6.8
M675874		2.13	<0.005	0.08	7.80	9.9	2070	1.25	0.18	1.41	0.09	53.9	6.4	10	14.15	5.0
M675875		2.24	<0.005	0.11	7.69	8.0	2160	1.38	0.14	1.07	0.19	57.6	6.9	9	13.40	8.4
M675876		1.60	<0.005	0.08	7.51	8.4	1880	1.21	0.26	1.35	0.10	46.8	6.9	10	20.0	10.3
M675877		1.32	0.553	45.2	6.31	690	350	1.64	3.69	1.15	90.1	47.6	7.7	9	16.50	274
M675878		4.94	<0.005	0.09	0.12	0.6	30	0.06	0.02	20.0	0.19	1.44	0.8	2	0.36	2.3
M675879		5.64	<0.005	0.28	7.09	13.4	2070	1.71	0.80	2.43	0.33	46.2	8.2	13	19.20	19.7
M675880		1.73	0.260	97.1	6.55	349	860	1.68	11.20	2.04	42.8	46.9	6.7	10	20.0	412
M675881		1.79	<0.005	0.73	7.37	26.6	1180	1.65	0.34	1.29	0.96	49.1	7.6	12	27.8	21.2
M675882		0.32	0.916	10.85	6.35	1495	120	1.42	13.65	1.84	30.5	46.3	19.1	20	14.60	287
M675883		0.83	0.240	36.1	5.31	666	680	1.35	4.53	4.94	34.7	40.6	6.3	9	16.15	122.5
M675884		4.99	<0.005	0.09	0.08	1.3	40	<0.05	0.04	20.3	0.12	1.26	0.7	1	0.23	2.6
M675885		1.90	<0.005	0.68	6.84	49.3	1500	1.61	3.51	2.07	0.93	46.7	7.3	10	25.9	25.0
M675886		3.03	<0.005	0.24	6.93	27.4	2340	1.37	0.39	1.90	0.27	40.4	8.6	11	18.50	21.7

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 20-AUG-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15117168

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
M675851		3.15	16.25	0.24	1.4	0.037	3.06	26.4	25.0	0.73	668	3.79	2.00	8.6	2.4	600
M675852		3.26	14.90	0.19	1.3	0.218	3.58	21.3	11.1	0.67	1360	2.07	1.12	7.5	2.2	540
M675853		3.64	16.80	0.22	1.4	0.056	3.17	24.8	18.3	0.92	655	1.32	1.72	9.3	2.2	650
M675854		4.56	14.95	0.18	1.1	0.268	3.24	26.6	22.1	0.85	3380	1.57	0.06	7.1	2.3	500
M675855		3.63	17.70	0.19	1.6	0.085	3.10	30.5	32.1	0.78	846	1.09	0.11	9.1	2.4	640
M675856		2.97	14.40	0.10	1.0	0.068	2.95	22.0	41.9	0.63	1340	1.39	0.11	6.5	2.4	490
M675857		2.94	14.80	0.12	1.1	0.065	3.00	22.7	42.2	0.61	1340	1.38	0.11	7.1	2.1	530
M675858		3.81	16.70	0.17	1.3	0.041	3.03	34.1	31.7	0.83	517	1.15	0.75	8.5	2.7	600
M675859		3.08	16.15	0.12	1.3	0.079	3.33	26.5	33.4	0.68	1760	1.03	0.18	8.0	2.3	600
M675860		3.25	14.80	0.12	1.2	0.084	3.22	26.8	31.8	0.64	2260	0.79	1.10	7.2	2.5	530
M675861		3.61	15.10	0.12	1.1	0.139	3.48	24.2	21.3	0.72	3030	1.34	0.09	7.0	2.5	500
M675862		2.80	15.75	0.12	1.3	0.065	3.06	32.6	40.8	0.63	798	1.91	0.12	8.8	2.8	640
M675863		3.64	15.00	0.13	1.1	0.133	3.43	24.4	27.9	0.68	3990	0.81	0.09	7.1	2.0	530
M675864		3.81	16.95	0.14	1.3	0.105	2.97	30.0	26.7	0.80	908	1.11	0.76	8.4	2.7	680
M675865		2.83	15.50	0.14	1.3	0.047	2.81	29.1	18.9	0.77	599	3.12	2.09	7.8	2.5	580
M675866		2.92	16.15	0.14	1.4	0.064	2.93	28.7	29.9	0.63	580	2.46	1.07	8.3	2.3	620
M675867		2.89	15.85	0.13	1.3	0.124	3.14	26.9	85.5	0.61	1080	0.92	0.09	8.2	3.1	640
M675868		5.08	14.65	0.12	1.0	0.310	3.04	28.4	25.6	0.79	1930	15.40	0.15	6.2	14.9	520
M675869		2.87	9.25	0.10	0.7	0.386	1.90	17.8	60.2	0.59	1380	10.90	0.04	4.1	2.4	320
M675870		2.86	15.35	0.12	1.2	0.141	3.00	21.3	230	0.64	996	1.18	0.08	7.8	3.1	590
M675871		2.83	14.65	0.12	1.3	0.049	2.86	30.3	37.4	0.62	553	1.02	0.13	8.2	3.1	630
M675872		2.61	17.05	0.13	1.3	0.063	2.85	29.4	38.7	0.59	527	1.26	0.14	8.0	2.5	570
M675873		2.80	15.25	0.13	1.2	0.065	2.79	24.8	31.3	0.64	455	0.87	0.49	7.1	2.5	530
M675874		3.15	16.00	0.13	1.3	0.070	2.98	28.8	33.7	0.68	503	0.93	0.48	8.3	2.4	630
M675875		3.37	16.40	0.14	1.3	0.077	3.00	30.9	24.8	0.60	874	0.80	0.40	8.2	2.5	620
M675876		2.68	16.55	0.13	1.4	0.048	2.85	22.6	45.9	0.53	688	1.06	0.38	8.6	2.2	580
M675877		4.07	13.55	0.13	1.2	0.512	3.03	26.0	14.7	0.54	1560	5.69	0.04	6.6	2.5	470
M675878		0.45	0.33	0.09	<0.1	0.006	0.04	0.7	1.6	12.50	191	0.10	0.01	0.3	1.4	180
M675879		2.86	15.90	0.11	1.5	0.044	2.91	23.5	28.8	0.70	661	1.83	1.80	8.1	2.6	570
M675880		3.56	13.65	0.13	1.2	1.220	2.85	25.9	86.3	0.84	2670	1.66	0.06	6.5	2.2	510
M675881		2.57	15.50	0.13	1.3	0.072	3.10	26.1	167.5	0.51	1220	1.68	0.09	7.9	2.3	580
M675882		6.57	14.45	0.11	1.0	0.795	2.90	24.2	19.3	0.76	1820	8.95	0.13	6.3	12.6	540
M675883		4.53	11.65	0.10	0.9	0.447	2.36	23.0	23.4	1.70	5480	5.35	0.02	5.3	2.0	350
M675884		0.44	0.24	0.08	<0.1	0.006	0.03	0.6	1.8	12.70	199	0.18	<0.01	0.2	1.4	210
M675885		2.70	14.75	0.12	1.3	0.058	2.99	23.5	45.4	0.66	995	1.69	0.99	7.7	2.2	530
M675886		2.63	15.95	0.12	1.3	0.046	2.79	19.5	59.7	0.52	976	1.04	0.17	8.0	2.3	560

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Finalized Date: 20-AUG-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15117168

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
M675851		16.2	116.0	0.002	0.03	4.65	10.6	1	2.0	347	0.72	<0.05	13.5	0.274	1.45	4.2
M675852		795	160.0	0.002	0.70	16.10	8.7	1	2.3	222	0.66	<0.05	12.1	0.243	2.19	4.7
M675853		17.9	118.0	<0.002	0.02	5.97	11.0	1	2.1	314	0.79	<0.05	13.6	0.301	1.25	5.2
M675854		317	170.0	<0.002	1.67	28.3	9.3	1	4.9	67.7	0.58	0.06	12.4	0.224	2.76	5.8
M675855		17.9	126.5	0.002	0.06	27.9	11.6	1	3.3	73.9	0.79	<0.05	15.3	0.288	1.39	3.1
M675856		27.5	125.5	<0.002	0.39	41.0	9.4	1	1.6	103.0	0.52	0.11	12.0	0.218	1.80	4.6
M675857		27.4	129.5	<0.002	0.33	47.0	9.9	1	1.7	105.5	0.56	0.08	12.2	0.227	1.94	4.8
M675858		17.3	130.0	<0.002	0.02	6.78	10.9	1	1.8	193.5	0.67	<0.05	17.2	0.263	1.20	3.1
M675859		180.0	147.5	<0.002	0.19	10.95	10.3	1	2.0	105.5	0.64	<0.05	15.2	0.254	1.84	4.7
M675860		409	147.5	<0.002	0.45	10.70	9.9	1	2.3	223	0.56	<0.05	13.9	0.233	2.06	5.3
M675861		1065	174.0	<0.002	0.63	17.90	9.2	1	2.5	80.9	0.53	<0.05	13.7	0.227	2.58	5.9
M675862		22.7	135.0	<0.002	0.06	25.5	11.5	1	2.2	82.0	0.66	<0.05	17.4	0.284	1.51	3.2
M675863		371	194.0	<0.002	0.99	15.80	9.9	<1	2.5	93.3	0.55	<0.05	13.2	0.228	2.78	5.3
M675864		29.5	145.5	<0.002	0.17	9.63	12.8	1	2.5	177.0	0.64	<0.05	15.6	0.279	1.71	4.5
M675865		24.5	119.5	<0.002	0.03	2.76	10.6	1	2.0	352	0.59	<0.05	15.8	0.245	1.18	5.1
M675866		15.3	118.0	<0.002	0.03	6.95	11.0	1	2.0	223	0.65	<0.05	15.5	0.259	1.27	3.4
M675867		17.4	135.5	<0.002	0.23	16.85	10.7	1	2.0	116.5	0.65	<0.05	14.0	0.268	2.14	3.6
M675868		476	166.0	0.004	2.70	29.7	9.1	1	5.4	110.5	0.47	0.29	12.4	0.212	2.34	5.1
M675869		6810	115.0	<0.002	1.29	72.4	5.8	1	2.6	87.1	0.32	0.05	8.2	0.139	1.61	13.8
M675870		37.1	117.5	<0.002	0.27	15.35	9.6	1	1.9	155.5	0.64	0.06	12.7	0.248	2.12	4.2
M675871		39.0	121.5	<0.002	0.06	28.2	10.2	1	1.8	100.5	0.65	<0.05	16.3	0.272	1.22	2.8
M675872		20.4	127.0	<0.002	0.07	21.1	11.1	1	2.1	102.5	0.63	<0.05	16.6	0.247	1.35	2.5
M675873		17.9	116.0	<0.002	0.06	9.61	10.2	1	2.0	123.0	0.55	<0.05	14.5	0.234	1.29	3.1
M675874		15.4	133.0	<0.002	0.05	10.00	11.0	1	2.0	125.0	0.61	<0.05	16.1	0.267	1.37	4.4
M675875		20.8	140.0	<0.002	0.06	13.80	11.4	1	2.0	105.0	0.61	<0.05	15.9	0.264	1.45	4.6
M675876		14.9	121.0	<0.002	0.07	17.00	11.1	1	2.5	132.0	0.69	<0.05	13.3	0.260	1.32	5.0
M675877		>10000	183.5	<0.002	3.44	262	9.2	1	7.1	50.6	0.54	0.07	13.8	0.207	2.55	6.0
M675878		21.9	2.3	<0.002	0.01	0.62	0.2	1	<0.2	48.7	<0.05	<0.05	0.2	<0.005	0.02	1.2
M675879		49.2	126.0	<0.002	0.09	8.28	10.2	1	2.2	317	0.65	<0.05	14.3	0.251	1.40	4.6
M675880		9170	167.5	<0.002	1.53	571	9.1	1	2.2	107.5	0.52	0.14	13.7	0.207	2.43	8.5
M675881		118.5	132.5	<0.002	0.19	24.9	10.1	1	2.7	163.0	0.59	<0.05	14.7	0.257	2.09	4.0
M675882		1295	165.5	0.002	4.63	64.2	9.1	2	7.4	96.4	0.50	1.09	12.1	0.210	2.37	5.3
M675883		6910	147.0	<0.002	1.73	84.6	7.0	1	2.5	97.2	0.43	0.32	10.9	0.168	2.43	9.6
M675884		13.1	1.6	<0.002	<0.01	0.37	0.2	1	<0.2	49.2	<0.05	<0.05	<0.2	<0.005	0.02	0.6
M675885		84.9	133.0	<0.002	0.26	12.20	9.3	1	2.3	220	0.65	<0.05	14.1	0.233	2.09	4.2
M675886		36.3	110.5	<0.002	0.25	12.80	9.5	1	2.3	149.5	0.65	<0.05	12.4	0.237	1.62	4.9

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 20-AUG-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15117168

Sample Description	Method Analyte Units LOR	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Pb-OG62 Pb % 0.001	Zn-OG62 Zn % 0.001
M675851		71	2.1	16.9	46	38.4		
M675852		63	3.3	13.2	2000	36.8		
M675853		79	3.8	18.1	53	37.6		
M675854		72	19.1	15.5	1070	30.7		
M675855		77	33.6	18.5	62	42.3		
M675856		66	5.1	15.3	51	30.6		
M675857		66	6.0	16.1	51	32.8		
M675858		72	4.3	17.8	46	37.7		
M675859		70	15.3	16.0	1080	38.2		
M675860		64	6.4	16.7	1180	34.1		
M675861		63	6.8	15.1	2170	31.8		
M675862		72	5.8	18.4	57	38.6		
M675863		63	3.0	14.3	1160	30.6		
M675864		82	4.6	18.8	65	37.9		
M675865		67	1.2	19.1	44	39.5		
M675866		70	3.3	19.1	40	41.3		
M675867		76	2.7	15.9	77	40.4		
M675868		66	5.1	12.8	896	31.5		
M675869		43	5.4	10.7	1590	20.7		
M675870		68	3.5	14.6	59	35.8		
M675871		70	5.3	18.2	46	39.5		
M675872		68	4.9	17.7	39	40.8		
M675873		65	2.9	15.5	40	37.0		
M675874		73	3.1	17.7	47	40.2		
M675875		75	2.8	18.3	60	37.5		
M675876		73	3.0	16.1	44	40.9		
M675877		58	4.2	13.2	>10000	36.1	1.120	1.015
M675878		2	0.1	0.9	32	0.5		
M675879		68	1.2	17.5	69	44.5		
M675880		59	3.3	16.4	4870	36.8		
M675881		68	1.6	14.8	128	38.6		
M675882		62	5.6	15.4	2420	30.3		
M675883		48	5.1	14.7	3970	27.0		
M675884		2	0.1	0.8	23	<0.5		
M675885		64	1.6	15.7	136	38.8		
M675886		66	3.3	16.0	59	41.0		

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: Klaza

Finalized Date: 20-AUG-2015
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH15117168

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

Applies to Method:				
	BAG-06	CRU-31	CRU-QC	LOG-21
	LOG-21d	LOG-23	PUL-31	PUL-31d
	PUL-QC	SPL-21	SPL-21d	WEI-21

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:				
	Au-AA24	ME-MS61	ME-OG62	Pb-OG62
	Zn-OG62			

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 16-AUG-2015
Account: ROCKHA

CERTIFICATE WH15117169

Project: KLAZA

P.O. No.: BATCH 101

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 5-AUG-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21d	Sample logging - ClientBarCode Dup
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
BAG-06	Double Bagging Coarse Rejects
SPL-21d	Split sample - duplicate
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31d	Pulverize Split - duplicate

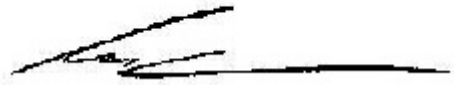
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Pb-OG62	Ore Grade Pb - Four Acid	VARIABLE
Zn-OG62	Ore Grade Zn - Four Acid	VARIABLE
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	
Ag-OG62	Ore Grade Ag - Four Acid	VARIABLE
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.

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VANCOUVER BC V6B 1L8

Finalized Date: 16-AUG-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15117169

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
M675887		1.42	7.10	>100	3.33	2570	300	0.90	7.66	2.18	252	22.2	19.2	11	8.37	1845
M675888		2.00	0.006	0.66	7.57	25.3	2010	1.76	0.51	2.20	0.97	50.5	8.7	14	21.3	19.2
M675889		2.00	0.008	0.97	7.55	13.3	2460	1.56	2.55	2.94	1.00	42.6	8.6	15	12.25	26.0
M675890		1.39	0.073	6.48	7.54	51.9	1370	1.70	5.55	1.74	14.60	50.0	23.8	13	14.85	50.3
M675891		1.85	<0.005	0.88	7.52	14.7	2020	1.57	3.58	2.59	1.14	40.8	8.7	14	12.80	20.6
M675892		2.07	<0.005	0.46	7.44	8.5	2410	1.71	0.52	2.52	1.65	44.7	7.8	14	8.70	13.1
M675893		1.27	0.034	17.50	7.18	16.9	2140	1.54	6.01	3.27	4.66	42.7	8.3	9	9.68	33.9
M675894		4.89	<0.005	0.08	0.06	0.5	20	0.05	0.04	21.6	0.08	1.25	2.4	1	0.14	5.5
M675895		4.38	<0.005	0.17	7.61	9.5	2450	1.57	1.72	2.54	0.39	48.9	7.3	13	9.49	11.1
M675896		1.51	0.088	1.91	7.02	590	960	1.55	2.03	1.73	9.12	50.0	6.7	11	12.55	14.8
M675897		1.79	<0.005	0.09	7.27	7.2	2360	1.59	0.92	2.58	0.10	47.0	8.6	11	10.35	15.1
M675898		2.06	0.016	0.27	7.81	16.3	2880	1.39	1.43	1.22	0.15	46.2	7.8	10	15.80	14.2
M675899		0.30	0.378	4.20	6.72	723	840	1.34	3.86	2.09	11.25	48.3	12.9	25	13.85	323
M675900		2.52	0.166	7.21	6.88	827	1210	1.33	1.76	2.17	6.19	43.6	5.5	11	15.00	31.6
M675901		3.86	0.064	0.90	7.23	308	1260	1.59	0.33	3.00	2.58	40.5	7.7	11	18.90	27.2
M675902		1.91	0.671	4.89	6.60	4450	450	1.32	0.33	2.69	13.65	44.4	8.1	9	14.20	21.7
M675903		4.95	0.074	0.40	6.79	173.5	2110	1.63	0.39	2.87	0.29	37.4	8.1	11	22.2	21.4
M675904		2.65	0.082	0.79	6.67	71.0	1820	1.70	0.28	3.39	0.83	50.8	7.4	9	24.0	15.9
M675905		<0.02	0.093	0.95	6.70	75.8	2560	1.57	0.23	3.45	0.84	48.6	6.1	10	24.0	13.4
M675906		2.07	0.027	0.16	6.79	18.7	1810	1.63	0.39	2.70	0.21	41.0	5.8	11	23.3	18.7
M675907		3.41	0.103	1.46	6.86	335	1410	1.58	0.60	2.57	1.69	44.9	5.4	11	20.9	15.2
M675908		4.14	0.036	0.25	7.23	30.4	1510	1.71	0.30	2.50	0.23	43.6	4.9	11	23.2	10.0
M675909		5.11	0.026	0.46	7.10	82.7	1730	1.50	0.16	2.15	0.79	39.3	6.4	11	25.6	10.4
M675910		4.09	0.023	0.39	6.85	33.1	2250	1.53	0.35	3.22	0.61	43.5	5.2	11	23.3	8.0
M675911		2.17	0.016	0.58	6.88	32.6	1700	1.62	0.47	2.43	0.37	43.0	6.1	9	25.3	10.3
M675912		8.81	<0.005	0.14	7.56	13.5	2230	1.62	0.51	2.33	0.10	45.8	7.6	12	22.4	22.8
M675913		3.24	0.018	2.80	6.91	49.5	5390	1.49	0.58	3.02	1.81	49.4	7.9	8	26.8	26.6
M675914		5.34	0.012	1.39	6.63	29.7	1730	1.51	0.77	3.13	0.48	36.1	7.3	8	29.2	30.7
M675915		2.58	0.013	1.47	6.78	43.3	2230	1.63	1.71	2.22	0.56	37.0	8.0	8	27.7	16.3
M675916		4.89	<0.005	0.08	0.11	0.7	50	0.05	0.03	21.2	0.06	1.42	0.7	1	0.36	1.4
M675917		2.79	<0.005	0.17	6.93	18.2	1480	1.48	0.41	2.17	0.11	34.9	6.8	11	27.0	13.1
M675918		0.31	0.995	12.10	6.74	1600	750	1.23	12.95	1.87	33.8	48.4	17.3	19	14.65	296
M675919		2.52	0.049	1.45	6.76	30.7	2330	1.41	1.16	2.80	4.56	37.3	7.2	12	15.65	25.1
M675920		2.14	<0.005	0.19	7.39	16.5	2410	1.39	0.38	2.70	0.11	44.4	7.0	12	12.75	11.4
M675921		2.47	0.005	0.16	7.64	18.1	2020	1.16	0.49	1.30	0.15	42.0	8.1	9	18.60	16.9
M675922		1.37	0.064	1.04	6.71	44.9	2180	1.42	0.65	2.55	0.27	41.4	7.8	10	22.2	13.2

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VANCOUVER BC V6B 1L8

Finalized Date: 16-AUG-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15117169

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
M675887		8.22	7.93	0.11	0.6	1.535	1.52	12.0	31.0	0.68	5710	11.35	0.02	3.1	3.1	230
M675888		3.12	18.05	0.12	1.5	0.058	3.20	25.1	105.0	0.68	1060	3.69	1.17	8.7	3.1	650
M675889		3.38	18.05	0.12	1.4	0.053	2.62	22.2	11.7	0.83	806	1.01	2.28	8.6	2.7	660
M675890		4.56	17.45	0.12	1.6	0.265	2.91	27.5	23.0	0.80	1640	25.3	0.56	7.3	2.6	570
M675891		3.01	18.25	0.11	1.5	0.046	2.68	21.1	23.0	0.67	873	3.64	1.53	8.3	2.6	630
M675892		3.37	18.20	0.12	1.5	0.104	2.98	22.0	14.8	0.88	812	0.93	2.20	8.6	2.6	640
M675893		3.72	17.40	0.12	1.4	0.172	2.83	21.7	13.8	0.83	1840	0.87	1.34	7.7	2.3	590
M675894		0.48	0.22	0.17	<0.1	0.006	0.02	0.6	1.2	13.40	209	0.07	0.01	0.1	1.6	180
M675895		3.25	16.80	0.10	1.5	0.077	2.87	25.0	10.6	0.75	689	0.75	1.96	8.1	2.9	630
M675896		3.83	15.85	0.11	1.3	0.246	3.51	26.5	12.1	0.61	2060	1.04	0.45	7.7	2.3	610
M675897		3.04	17.05	0.13	1.4	0.052	2.84	23.6	10.0	0.78	621	0.85	2.20	8.1	2.4	580
M675898		3.05	18.15	0.11	1.2	0.072	3.16	24.2	36.0	0.54	1040	1.02	0.11	8.3	2.3	670
M675899		5.09	16.40	0.12	1.1	0.298	3.03	27.7	26.4	0.78	1920	13.20	0.14	6.3	14.8	540
M675900		3.80	15.40	0.11	1.0	0.146	3.40	24.6	16.3	0.77	4800	2.68	0.03	6.2	2.3	520
M675901		3.32	18.10	0.12	1.3	0.100	3.65	20.3	52.7	0.73	3420	0.96	0.14	8.2	2.5	670
M675902		4.59	16.15	0.11	1.1	0.070	3.19	23.2	14.0	0.83	4550	6.28	0.02	7.2	2.6	570
M675903		3.11	18.00	0.11	1.3	0.055	3.69	17.5	23.6	0.62	1950	1.13	0.98	8.3	2.6	630
M675904		3.04	16.95	0.12	1.2	0.084	3.19	26.6	23.2	0.96	2840	0.95	0.10	7.3	2.4	570
M675905		3.03	14.10	0.11	0.9	0.071	2.96	25.4	19.3	0.94	3060	0.97	0.13	7.3	2.2	540
M675906		2.80	14.85	0.11	1.0	0.056	3.34	20.1	24.5	0.60	1340	0.70	0.78	8.3	1.9	590
M675907		3.30	14.25	0.12	1.0	0.081	3.40	22.8	25.6	0.73	3510	0.96	0.05	7.8	1.9	560
M675908		3.01	15.30	0.13	1.2	0.052	3.17	21.4	26.7	0.67	1310	0.60	0.77	8.6	2.1	620
M675909		2.93	15.85	0.12	1.3	0.061	2.82	19.0	118.0	0.56	1400	0.73	0.16	9.0	2.2	600
M675910		3.17	13.95	0.12	1.0	0.078	2.97	22.7	56.4	0.84	1720	0.48	0.09	7.7	2.0	550
M675911		2.85	14.85	0.13	1.1	0.047	2.93	22.2	83.4	0.66	1380	0.38	0.08	8.0	2.1	550
M675912		3.05	17.60	0.12	1.5	0.041	2.85	22.3	23.8	0.63	610	0.68	1.48	9.1	2.4	640
M675913		3.32	15.95	0.13	1.1	0.066	2.89	26.6	36.1	0.87	4040	0.81	0.04	7.6	2.5	570
M675914		2.83	16.85	0.13	1.1	0.053	2.92	17.3	107.0	0.59	2300	0.73	0.20	8.1	2.3	580
M675915		2.76	17.05	0.14	1.2	0.064	3.05	17.8	49.1	0.64	2210	0.61	0.06	8.4	2.5	580
M675916		0.49	0.29	0.06	<0.1	0.007	0.04	0.7	1.5	13.55	216	0.13	0.01	0.3	1.6	210
M675917		2.77	16.60	0.12	1.3	0.051	3.18	16.6	109.0	0.59	952	0.61	0.27	8.2	2.2	620
M675918		6.73	15.85	0.11	1.0	0.782	2.95	26.2	15.1	0.78	1890	8.72	0.13	6.7	11.8	550
M675919		2.93	16.15	0.11	1.3	0.104	2.66	17.7	10.1	0.70	963	0.62	1.78	8.0	2.3	590
M675920		2.88	15.90	0.15	1.2	0.036	2.68	22.4	8.7	0.69	633	0.80	2.24	8.0	2.3	590
M675921		2.89	17.25	0.13	1.2	0.042	2.65	20.7	43.6	0.55	702	0.54	0.12	9.0	2.2	770
M675922		2.92	15.35	0.12	1.2	0.035	2.69	20.8	135.5	0.87	1160	0.73	0.08	7.3	2.5	550

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 16-AUG-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15117169

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
M675887		>10000	94.6	0.003	8.83	545	4.6	1	4.0	55.0	0.28	0.47	6.6	0.100	1.56	9.6
M675888		90.9	132.5	<0.002	0.21	14.15	11.3	1	2.4	265	0.80	<0.05	14.7	0.275	2.08	4.4
M675889		96.0	101.5	<0.002	0.12	3.31	11.9	1	2.6	410	0.69	<0.05	12.4	0.298	1.37	3.8
M675890		1850	151.5	0.002	1.24	10.10	10.5	1	4.9	140.5	0.60	0.28	14.3	0.252	2.10	4.8
M675891		66.4	98.7	<0.002	0.17	4.53	10.8	1	2.5	292	0.71	<0.05	12.6	0.273	1.46	3.5
M675892		209	114.0	<0.002	0.07	2.37	11.0	1	2.3	403	0.75	<0.05	13.3	0.284	1.38	4.6
M675893		8180	112.5	<0.002	0.34	15.85	10.5	1	2.7	295	0.70	0.09	12.4	0.259	1.83	4.4
M675894		15.7	1.0	<0.002	0.01	0.13	0.3	<1	<0.2	48.4	<0.05	<0.05	<0.2	<0.005	<0.02	0.7
M675895		42.7	105.0	<0.002	0.08	3.51	10.2	1	2.1	352	0.77	0.51	14.0	0.265	1.36	4.8
M675896		267	179.0	<0.002	1.88	11.40	10.8	1	3.3	121.0	0.67	0.81	13.2	0.256	2.72	5.2
M675897		19.5	107.0	<0.002	0.08	1.54	10.3	1	2.0	376	0.72	0.14	14.0	0.258	1.33	4.4
M675898		13.0	137.0	<0.002	0.23	26.0	11.6	1	2.2	123.5	0.66	0.39	12.9	0.284	2.11	3.3
M675899		491	166.0	0.003	2.71	28.6	9.5	1	6.2	110.5	0.54	0.27	12.7	0.215	2.68	5.6
M675900		1060	219	<0.002	2.12	28.8	9.4	1	3.3	85.9	0.52	0.10	12.4	0.219	3.34	5.2
M675901		114.5	154.5	<0.002	0.87	19.25	11.1	1	2.4	174.5	0.67	<0.05	11.6	0.282	3.33	4.1
M675902		492	213	<0.002	3.63	51.5	10.7	1	4.7	74.4	0.57	<0.05	12.1	0.243	3.41	5.5
M675903		24.5	137.0	<0.002	0.33	10.85	10.5	1	2.3	258	0.72	0.06	10.4	0.278	2.86	3.7
M675904		45.2	141.0	<0.002	0.89	18.25	9.8	1	2.1	168.5	0.64	<0.05	12.9	0.243	3.82	4.2
M675905		44.5	141.0	<0.002	1.02	18.65	10.0	1	1.6	171.0	0.50	0.09	11.5	0.230	2.95	3.5
M675906		16.9	131.5	<0.002	0.16	8.06	10.9	1	1.8	235	0.57	<0.05	11.6	0.257	2.09	3.6
M675907		112.0	164.0	<0.002	0.97	16.55	10.6	1	2.1	147.0	0.58	<0.05	12.5	0.239	2.71	4.2
M675908		19.6	134.5	<0.002	0.22	9.35	11.5	1	1.8	230	0.60	<0.05	12.4	0.270	2.18	3.5
M675909		52.8	114.5	<0.002	0.33	15.85	11.5	1	2.1	161.0	0.66	<0.05	11.9	0.266	1.81	3.6
M675910		34.7	131.5	<0.002	0.65	12.95	9.0	1	1.8	193.5	0.53	<0.05	11.9	0.233	2.36	4.6
M675911		40.3	131.5	<0.002	0.75	14.55	9.6	1	1.8	177.0	0.56	<0.05	12.3	0.238	2.51	4.7
M675912		17.5	113.5	<0.002	0.11	7.15	10.3	1	2.2	316	0.78	<0.05	14.4	0.269	1.63	4.3
M675913		105.5	143.0	<0.002	0.72	31.7	10.0	<1	2.1	195.0	0.63	0.13	14.4	0.240	3.16	5.0
M675914		71.8	100.0	<0.002	0.29	21.2	8.7	1	1.9	247	0.66	0.09	11.5	0.245	2.50	4.1
M675915		126.0	121.0	<0.002	0.53	20.1	9.4	1	2.1	175.5	0.67	<0.05	11.7	0.249	3.25	5.0
M675916		3.6	1.9	<0.002	<0.01	0.16	0.2	<1	<0.2	53.3	<0.05	<0.05	0.2	0.005	0.02	0.6
M675917		15.2	114.0	<0.002	0.19	14.75	9.1	1	1.8	202	0.65	<0.05	11.2	0.256	2.54	3.6
M675918		1355	182.0	<0.002	4.78	65.6	9.3	2	8.3	100.5	0.54	1.07	13.4	0.216	2.67	5.7
M675919		145.5	98.0	<0.002	0.19	4.08	9.3	1	2.0	337	0.63	<0.05	11.1	0.246	1.59	3.7
M675920		19.6	101.0	<0.002	0.07	1.82	9.8	1	1.8	392	0.64	<0.05	13.7	0.256	1.33	4.3
M675921		15.9	107.0	<0.002	0.14	26.7	10.9	1	2.2	122.5	0.72	<0.05	13.3	0.298	1.61	3.3
M675922		22.3	96.3	<0.002	0.32	25.8	9.0	1	1.7	162.0	0.62	<0.05	13.0	0.236	1.98	4.3

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 16-AUG-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15117169

Sample Description	Method Analyte Units LOR	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Ag-OG62 Ag ppm 1	Pb-OG62 Pb % 0.001	Zn-OG62 Zn % 0.001
M675887		31	3.2	9.6	>10000	15.2	240	2.26	2.49
M675888		74	1.4	17.5	128	38.1			
M675889		80	4.0	18.1	139	37.7			
M675890		67	9.1	14.4	1630	33.5			
M675891		73	5.8	15.9	164	41.1			
M675892		75	1.7	17.2	216	39.3			
M675893		69	2.9	16.1	484	35.2			
M675894		2	0.1	0.8	17	<0.5			
M675895		72	2.0	16.5	75	37.5			
M675896		69	4.8	15.1	978	35.7			
M675897		69	1.0	17.3	45	35.9			
M675898		74	4.8	16.1	56	31.8			
M675899		67	6.2	12.5	909	32.6			
M675900		59	5.0	13.5	569	24.7			
M675901		76	4.0	15.5	247	34.8			
M675902		67	6.5	13.8	1060	28.3			
M675903		75	2.8	14.8	59	33.6			
M675904		65	4.5	14.5	105	29.7			
M675905		64	3.6	14.5	109	27.9			
M675906		72	2.3	14.9	52	31.5			
M675907		66	3.7	14.4	184	29.9			
M675908		75	2.4	15.0	55	35.0			
M675909		75	6.1	14.3	101	37.5			
M675910		66	2.5	15.3	89	30.1			
M675911		66	2.6	14.7	65	32.3			
M675912		73	3.2	15.5	42	38.4			
M675913		68	3.7	17.1	190	32.4			
M675914		69	3.4	13.0	71	32.9			
M675915		70	3.5	12.8	73	34.6			
M675916		2	0.1	0.9	13	<0.5			
M675917		71	2.9	11.7	51	35.4			
M675918		64	6.5	12.3	2500	31.2			
M675919		69	1.7	15.2	317	35.9			
M675920		70	2.0	16.2	46	33.5			
M675921		79	6.0	15.4	52	33.7			
M675922		66	7.9	15.3	55	33.6			

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: KLAZA

Finalized Date: 16-AUG-2015
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH15117169

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Ag-OG62	Au-AA24	ME-MS61	ME-OG62
Pb-OG62	Zn-OG62		

ALS Canada Ltd.

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 18-AUG-2015
Account: ROCKHA

CERTIFICATE WH15117170

Project: Klaza

P.O. No.: BATCH 102

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 5-AUG-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21d	Sample logging - ClientBarCode Dup
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
BAG-06	Double Bagging Coarse Rejects
SPL-21d	Split sample - duplicate
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31d	Pulverize Split - duplicate

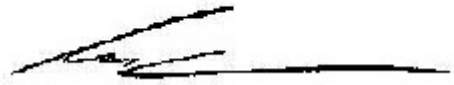
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.

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VANCOUVER BC V6B 1L8

Finalized Date: 18-AUG-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15117170

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
K289539		2.61	<0.005	0.24	7.14	15.2	1880	1.44	0.11	2.81	0.53	46.9	8.4	13	18.90	10.3
K289540		3.69	0.006	0.56	7.25	76.1	1220	1.55	0.11	2.93	1.04	51.1	8.3	11	19.60	10.2
K289541		<0.02	0.006	0.52	7.13	78.6	1370	1.57	0.10	2.94	0.86	47.5	8.6	11	19.45	9.3
K289542		0.92	0.570	8.43	5.63	9490	480	1.14	0.13	4.75	14.35	41.3	8.9	8	17.20	15.8
K289543		2.96	0.018	2.33	6.79	339	1030	1.42	0.11	4.12	1.99	49.4	7.3	9	18.60	13.3
K289544		2.90	0.007	1.31	7.68	225	1040	1.64	0.22	2.66	2.26	54.4	7.9	11	18.25	16.9
K289545		2.12	0.007	1.06	7.47	184.0	1330	1.55	0.40	2.56	1.98	52.1	8.0	10	17.60	17.3
K289546		0.69	0.108	9.29	6.72	882	1330	1.34	0.77	1.28	7.02	45.7	10.2	9	16.20	20.1
K289547		4.54	<0.005	0.08	7.02	6.3	2310	1.39	0.62	2.63	0.10	42.6	8.0	12	9.65	6.8
K289548		0.30	0.845	11.75	6.62	1570	770	1.46	11.75	1.87	33.3	46.6	16.3	19	13.50	277
K289549		5.91	<0.005	0.13	7.22	6.7	2090	1.41	0.42	2.97	0.11	44.6	8.0	12	12.10	6.0
K289550		0.58	0.071	11.35	5.32	781	970	1.17	0.19	5.56	6.26	39.8	8.7	6	11.35	46.6
K289551		2.76	0.009	1.64	7.25	193.5	1760	1.45	0.14	2.89	0.41	48.5	8.5	11	14.35	24.0
K289552		2.68	<0.005	0.07	7.02	4.0	2160	1.40	0.10	3.18	0.12	44.4	8.1	11	17.80	5.2
K289553		0.81	0.019	6.94	7.35	750	1270	1.56	0.10	3.04	23.9	50.5	8.8	7	22.7	34.4
K289554		2.92	<0.005	0.64	7.31	37.4	1840	1.99	0.21	2.57	2.77	44.4	8.2	8	40.2	7.5
K289555		3.35	<0.005	0.15	6.92	8.3	1960	1.43	0.21	3.04	0.35	40.5	5.9	11	8.91	6.0
K289556		1.64	0.049	0.90	7.20	84.8	1010	1.49	1.01	2.25	15.85	49.3	32.3	10	8.45	12.8
K289557		1.51	<0.005	0.53	7.23	27.8	480	2.28	0.21	3.57	0.36	61.5	7.3	19	23.8	13.3
K289558		0.30	0.385	4.48	6.90	747	380	1.44	3.40	2.11	11.40	52.2	12.0	26	13.85	315
K289559		1.28	<0.005	0.50	7.34	45.3	630	2.55	0.18	2.83	0.35	60.0	7.8	18	29.6	12.8
K289560		0.80	0.249	11.85	5.26	217	830	2.57	6.57	3.88	11.85	51.8	32.9	10	28.2	53.9
K289561		4.83	<0.005	0.03	0.07	0.5	40	0.08	0.02	20.7	0.11	1.32	0.9	1	0.26	2.3
K289562		1.02	<0.005	0.17	7.81	26.0	850	1.92	0.11	2.46	0.32	81.5	9.4	33	27.2	19.3
K289563		1.54	<0.005	0.03	7.94	24.7	1410	1.87	0.12	2.32	0.23	78.9	9.7	36	30.2	6.8
K289564		0.88	<0.005	0.08	7.69	25.3	9390	1.76	0.10	2.53	0.36	81.5	9.7	34	26.7	16.2
K289565		1.30	0.030	1.27	7.11	147.0	1020	1.79	0.70	2.96	0.82	47.0	13.3	9	28.0	45.0
K289566		2.56	0.176	1.50	7.28	854	1210	1.79	0.43	3.17	2.53	51.2	8.6	9	23.5	30.2
K289567		7.83	<0.005	0.13	7.37	14.7	1320	1.99	0.20	2.39	0.33	68.8	4.5	14	33.1	3.7
K289568		1.29	0.128	2.89	6.40	189.0	980	1.86	3.61	1.84	2.72	61.9	17.6	11	32.0	12.3
K289569		0.88	0.252	10.20	5.95	417	240	1.54	3.25	2.10	15.95	46.1	48.2	10	17.35	35.0
K289570		5.18	<0.005	0.02	0.06	<0.2	30	0.07	0.02	21.4	0.09	1.26	0.9	<1	0.22	3.9
K289571		2.46	0.008	0.48	7.44	20.1	1980	1.37	0.24	2.18	0.45	44.2	9.2	10	15.90	13.3
K289572		3.75	<0.005	0.12	7.67	6.3	2020	1.54	0.13	2.23	0.14	46.9	8.7	13	23.0	8.4
K289573		2.18	0.045	1.69	7.70	154.0	610	1.56	1.29	1.47	5.44	54.6	19.0	11	14.20	36.4
K289574		4.74	<0.005	0.06	8.11	4.3	1840	1.25	0.19	1.39	0.15	40.3	7.2	11	18.95	7.5

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 18-AUG-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15117170

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
K289539		3.31	16.20	0.14	1.1	0.099	3.13	23.0	20.5	0.80	1930	0.67	1.39	7.6	2.6	650
K289540		3.45	15.90	0.15	1.1	0.111	3.38	26.8	64.5	0.91	3250	0.51	0.26	7.3	2.5	610
K289541		3.34	15.95	0.11	1.1	0.095	3.33	24.1	65.4	0.87	3060	0.48	0.36	7.3	2.4	610
K289542		5.13	12.30	0.05	0.8	0.304	2.29	22.5	28.4	1.67	5350	1.13	0.03	5.6	2.4	500
K289543		3.19	14.25	0.07	0.9	0.092	2.88	27.3	20.5	1.24	3440	2.19	0.03	6.3	2.3	550
K289544		3.33	16.50	0.10	1.0	0.147	3.44	29.2	58.3	0.92	3680	2.92	0.04	7.4	2.6	620
K289545		3.15	15.85	0.13	1.0	0.120	3.24	28.1	77.0	0.92	3080	3.98	0.04	7.0	2.2	620
K289546		7.92	14.45	0.08	0.9	0.526	3.12	24.6	19.4	0.76	11850	2.72	0.05	6.4	7.2	550
K289547		3.27	17.20	0.15	1.0	0.065	2.57	20.0	25.4	0.70	1030	2.22	1.19	7.8	3.2	670
K289548		6.57	14.85	0.10	1.0	0.782	2.89	24.8	19.1	0.78	1860	8.43	0.12	6.3	11.5	540
K289549		3.29	17.85	0.13	1.1	0.074	2.53	21.1	29.6	0.83	1010	0.76	1.38	7.9	2.7	670
K289550		4.36	11.80	0.08	0.7	0.172	2.49	21.4	27.8	1.48	4650	0.68	0.03	4.9	2.5	430
K289551		3.35	15.95	0.16	0.9	0.098	3.53	24.7	33.7	0.88	2930	0.98	0.54	7.2	2.4	600
K289552		3.19	16.35	0.18	1.0	0.035	2.57	20.8	17.4	0.83	877	0.32	1.99	7.7	2.6	650
K289553		3.24	16.50	0.18	0.9	0.135	3.70	26.2	37.3	0.90	7650	0.35	0.22	7.4	2.5	640
K289554		3.14	17.00	0.18	1.1	0.074	2.71	21.5	56.9	0.68	1500	2.03	0.59	7.8	2.4	660
K289555		3.47	17.05	0.19	1.1	0.106	2.86	19.0	18.7	0.87	1200	0.28	1.67	7.7	2.5	620
K289556		5.12	17.70	0.16	1.0	0.241	3.44	23.5	21.0	0.75	3700	0.25	0.21	8.8	2.8	720
K289557		2.68	18.95	0.21	3.5	0.028	3.04	30.3	61.3	1.26	819	1.54	0.08	10.5	6.2	1150
K289558		5.18	15.80	0.17	1.1	0.316	3.03	29.2	27.5	0.80	2010	14.30	0.15	6.3	14.1	550
K289559		2.57	19.10	0.23	3.7	0.031	2.94	29.3	45.2	1.06	753	1.88	0.09	10.9	6.8	1180
K289560		3.53	12.85	0.13	1.9	0.105	1.70	27.4	46.1	1.38	1320	3.68	0.06	7.2	5.5	630
K289561		0.48	0.26	0.17	<0.1	0.005	0.03	0.6	1.2	13.30	220	0.09	<0.01	0.2	1.3	230
K289562		3.49	19.25	0.23	4.4	0.040	2.38	40.5	53.7	1.31	832	1.04	0.06	11.8	11.8	1820
K289563		3.72	20.0	0.18	4.3	0.042	2.51	37.9	63.0	1.17	845	0.52	0.07	12.7	12.5	1960
K289564		3.45	19.50	0.21	4.4	0.037	2.34	40.9	67.6	1.33	860	1.23	0.06	11.7	12.0	1780
K289565		3.48	15.55	0.20	0.9	0.084	2.75	25.0	37.2	1.13	1530	24.9	0.07	6.8	2.5	590
K289566		3.50	15.60	0.18	0.9	0.099	2.59	27.2	103.0	1.14	2230	13.50	0.05	7.1	2.6	610
K289567		2.50	17.70	0.25	2.6	0.030	2.72	34.6	92.1	0.94	767	0.86	0.08	11.4	2.7	910
K289568		2.95	15.25	0.18	2.0	0.081	2.09	33.4	64.0	0.73	569	4.70	0.05	9.1	3.0	710
K289569		5.00	13.90	0.13	1.2	0.235	2.56	24.2	29.7	0.82	2350	3.89	0.04	6.5	3.2	570
K289570		0.49	0.25	0.20	<0.1	<0.005	0.03	0.6	1.3	13.75	215	0.55	<0.01	0.1	1.3	200
K289571		3.75	15.80	0.19	0.9	0.102	3.04	22.3	53.1	0.94	1920	0.51	0.09	7.3	2.5	650
K289572		3.49	17.60	0.22	1.3	0.050	2.84	21.7	30.1	0.79	983	1.30	0.82	8.8	3.0	710
K289573		4.79	16.85	0.17	1.1	0.086	3.30	29.4	30.9	0.72	1980	1.82	0.07	7.6	3.0	590
K289574		3.06	18.15	0.21	1.1	0.044	2.64	18.9	37.5	0.45	785	11.60	0.10	8.7	2.5	690

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 18-AUG-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15117170

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
K289539		33.5	137.5	<0.002	0.12	7.24	11.4	1	1.6	309	0.66	<0.05	11.9	0.286	1.88	4.3
K289540		69.7	171.0	<0.002	0.47	16.40	11.4	1	1.8	184.0	0.63	<0.05	13.6	0.270	2.62	5.0
K289541		72.0	157.5	<0.002	0.42	15.85	11.1	1	1.7	200	0.65	<0.05	12.4	0.271	2.58	5.0
K289542		777	143.5	<0.002	1.31	133.5	10.1	1	2.0	237	0.45	<0.05	8.6	0.228	2.27	8.5
K289543		156.5	179.5	<0.002	0.55	28.6	9.8	1	1.7	164.0	0.53	<0.05	11.6	0.242	2.87	5.9
K289544		114.5	208	<0.002	0.49	20.3	11.4	1	2.2	143.0	0.64	<0.05	13.4	0.278	3.03	4.4
K289545		88.2	192.0	0.002	0.38	20.8	11.0	1	2.0	147.0	0.62	<0.05	12.5	0.269	2.82	4.3
K289546		863	181.5	0.002	1.13	31.0	10.2	1	2.6	96.7	0.51	0.07	10.5	0.248	2.43	3.9
K289547		12.9	93.4	<0.002	0.06	8.86	12.0	1	1.8	198.0	0.62	<0.05	9.6	0.295	1.33	2.6
K289548		1290	164.5	<0.002	4.65	66.4	9.0	2	7.7	95.6	0.52	1.22	10.9	0.214	2.47	5.0
K289549		12.9	93.5	<0.002	0.09	4.78	12.0	1	2.0	226	0.65	<0.05	10.5	0.294	1.36	3.3
K289550		739	176.5	<0.002	1.54	49.3	7.9	1	2.5	172.0	0.42	<0.05	9.2	0.187	2.24	4.2
K289551		35.3	180.0	<0.002	0.50	17.05	11.1	1	1.8	199.0	0.59	<0.05	11.6	0.273	2.38	4.0
K289552		19.7	88.9	<0.002	<0.01	3.81	11.9	1	1.5	469	0.63	<0.05	10.9	0.292	1.05	3.7
K289553		871	201	<0.002	0.55	37.5	11.4	1	2.4	171.0	0.59	<0.05	13.0	0.280	2.77	4.9
K289554		149.5	101.5	<0.002	0.08	10.25	11.8	1	1.9	270	0.63	<0.05	11.4	0.288	1.51	3.3
K289555		16.1	125.5	<0.002	0.13	2.30	11.2	1	2.0	191.0	0.63	<0.05	10.0	0.279	1.80	3.5
K289556		286	165.5	<0.002	1.91	5.38	14.0	1	3.7	88.6	0.66	0.26	10.9	0.327	2.59	3.7
K289557		30.7	120.5	<0.002	0.18	13.50	7.1	1	1.7	386	0.72	<0.05	8.7	0.315	3.04	5.4
K289558		500	164.0	0.004	2.76	29.2	9.4	1	5.7	111.5	0.52	0.32	12.1	0.215	2.48	5.5
K289559		28.7	109.5	<0.002	0.20	14.35	7.2	1	1.5	350	0.75	<0.05	8.9	0.321	3.23	5.1
K289560		1030	89.5	<0.002	1.48	32.3	5.5	1	3.0	522	0.49	0.70	7.6	0.197	1.60	7.0
K289561		3.2	1.4	<0.002	<0.01	0.08	0.2	<1	<0.2	50.1	<0.05	<0.05	<0.2	<0.005	0.02	0.6
K289562		14.4	87.9	<0.002	0.03	27.3	8.1	1	1.4	470	0.78	<0.05	8.5	0.453	1.78	3.2
K289563		12.8	87.0	<0.002	0.03	21.1	8.4	1	1.8	480	0.82	<0.05	8.4	0.483	1.84	3.1
K289564		14.9	88.5	<0.002	0.24	24.2	8.2	1	1.5	534	0.79	<0.05	8.4	0.444	1.69	3.5
K289565		114.5	121.0	0.002	0.44	13.80	11.0	1	2.0	274	0.52	0.36	11.2	0.272	2.17	5.1
K289566		199.5	145.0	<0.002	0.80	20.7	11.3	1	2.3	272	0.54	<0.05	12.8	0.267	2.21	4.2
K289567		34.1	97.9	<0.002	0.05	6.93	6.0	1	1.6	338	0.76	<0.05	10.2	0.265	1.80	4.8
K289568		245	96.9	<0.002	1.55	23.3	5.7	<1	3.2	387	0.64	0.44	9.6	0.224	1.60	6.4
K289569		1500	139.0	<0.002	3.10	21.5	7.4	1	3.7	328	0.49	0.91	8.7	0.209	2.05	5.7
K289570		3.0	1.2	<0.002	0.01	0.07	0.2	<1	<0.2	51.4	<0.05	<0.05	<0.2	<0.005	<0.02	1.0
K289571		44.5	136.0	<0.002	0.28	13.60	10.8	<1	1.8	180.0	0.60	<0.05	10.9	0.278	1.97	3.9
K289572		19.9	112.5	<0.002	0.06	9.74	12.4	1	1.9	275	0.80	<0.05	13.1	0.305	1.34	4.7
K289573		331	173.0	<0.002	2.56	24.9	11.2	1	5.6	117.5	0.67	0.11	13.7	0.260	2.34	6.5
K289574		17.7	100.0	0.003	0.01	17.50	12.3	<1	1.9	132.5	0.70	<0.05	11.0	0.315	1.16	3.3

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 18-AUG-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15117170

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	V	W	Y	Zn	Zr
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	1	0.1	0.1	2	0.5
K289539		82	2.5	16.2	103	27.3
K289540		77	2.8	16.3	151	26.2
K289541		78	2.6	15.6	142	26.1
K289542		74	4.5	12.3	1300	18.0
K289543		72	3.5	14.6	225	22.2
K289544		81	4.4	15.6	272	26.2
K289545		79	3.0	15.2	265	24.2
K289546		71	5.3	13.3	672	20.8
K289547		91	3.1	15.1	67	26.9
K289548		63	5.9	10.9	2380	31.2
K289549		91	4.2	15.0	63	26.8
K289550		62	4.7	15.3	886	16.9
K289551		77	3.5	15.3	104	22.9
K289552		82	1.9	17.0	86	26.4
K289553		79	4.4	17.1	1520	23.3
K289554		86	4.4	15.7	249	29.8
K289555		82	2.1	13.1	80	28.3
K289556		94	4.8	14.7	1220	26.0
K289557		66	1.7	14.2	74	145.0
K289558		68	5.8	12.3	902	34.1
K289559		67	1.6	14.0	77	148.5
K289560		48	3.1	11.0	828	76.7
K289561		2	0.1	0.8	19	0.6
K289562		89	1.7	15.0	96	188.0
K289563		93	2.7	14.5	98	186.5
K289564		88	1.8	15.4	109	188.0
K289565		78	10.4	14.9	126	26.7
K289566		77	6.1	15.6	237	26.3
K289567		52	2.0	13.6	103	91.9
K289568		47	2.7	11.3	242	69.5
K289569		55	4.6	11.1	1140	42.6
K289570		2	0.1	0.8	16	0.6
K289571		80	5.8	14.8	106	25.6
K289572		88	4.0	17.1	70	34.1
K289573		78	12.0	15.1	662	27.8
K289574		87	18.0	13.2	71	29.8

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 18-AUG-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15117170

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	ME-MS61

ALS Canada Ltd.

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 21-AUG-2015
Account: ROCKHA

CERTIFICATE WH15117171

Project: Klaza

P.O. No.: BATCH 104

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 5-AUG-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21d	Sample logging - ClientBarCode Dup
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
BAG-06	Double Bagging Coarse Rejects
SPL-21d	Split sample - duplicate
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31d	Pulverize Split - duplicate

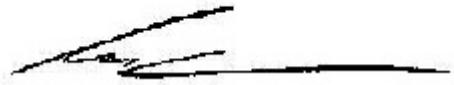
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Zn-OG62	Ore Grade Zn - Four Acid	VARIABLE
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.

2103 Dollarton Hwy
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www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 21-AUG-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15117171

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
M675923		6.64	<0.005	0.09	6.58	9.5	2850	1.18	1.10	1.82	0.14	34.4	6.9	9	17.00	15.9
M675924		2.34	<0.005	0.40	6.65	41.7	1230	1.33	0.35	1.90	0.25	45.7	6.8	10	19.15	19.7
M675925		1.22	0.836	58.8	3.53	2390	50	0.98	2.44	2.14	93.1	23.6	36.2	11	13.05	171.0
M675926		4.93	<0.005	0.12	0.08	2.2	40	0.06	0.02	20.5	0.16	1.36	0.8	3	0.22	3.2
M675927		5.27	0.011	0.70	6.50	111.0	690	1.61	0.35	2.24	0.69	45.4	6.9	10	27.8	12.0
M675928		1.74	0.056	1.80	6.08	208	2690	1.25	0.87	4.51	0.48	42.0	6.3	10	21.3	12.4
M675929		1.96	0.006	0.17	6.90	23.7	1880	1.54	0.33	2.57	0.24	41.0	6.8	10	17.05	17.2
M675930		1.94	<0.005	0.21	7.53	24.3	1980	1.68	0.40	2.28	0.13	43.5	7.4	8	16.15	13.5
M675931		2.75	0.334	4.28	7.23	397	1360	1.49	5.48	1.94	1.74	58.8	18.3	16	17.30	8.9
M675932		0.44	0.894	11.30	6.54	1430	1400	1.41	10.20	1.86	29.7	45.2	18.4	24	14.05	279
M675933		1.91	0.298	5.56	5.66	328	1950	1.22	2.60	1.75	7.37	33.3	14.7	13	5.89	9.1
M675934		4.02	0.018	1.48	7.33	34.2	740	1.57	3.64	2.23	0.27	43.5	18.2	9	9.92	3.6
M675935		2.49	0.009	0.60	7.54	36.6	2470	1.46	0.86	2.85	0.23	44.9	9.7	12	19.70	6.3
M675936		4.01	0.045	2.50	7.82	597	1030	1.50	0.74	1.98	7.14	47.2	8.2	15	15.30	23.5
M675937		1.33	1.150	17.70	7.08	3430	600	1.25	2.39	0.59	127.5	50.7	6.0	13	11.10	251
M675938		4.92	<0.005	0.04	0.07	0.2	30	<0.05	0.03	21.7	0.09	1.17	0.7	1	0.16	2.0
M675939		1.95	0.006	0.39	6.64	17.7	1910	1.67	0.77	3.09	0.49	36.5	8.8	10	9.67	11.2
M675940		1.57	<0.005	0.12	7.26	7.7	2320	1.47	0.81	2.74	0.13	42.5	8.1	11	8.90	11.1
M675941		1.49	<0.005	0.23	7.80	11.5	1850	1.75	0.34	1.70	0.47	44.9	6.5	9	15.95	14.3
M675942		2.01	0.024	1.39	7.32	76.6	1520	1.76	1.02	1.57	2.91	50.9	8.2	14	22.8	7.1
M675943		5.87	<0.005	0.18	7.71	22.4	1120	1.89	0.27	1.35	0.61	71.6	6.3	16	19.20	20.8
M675944		4.64	0.006	0.57	7.82	30.5	920	1.99	0.64	1.50	0.87	72.1	6.9	17	19.10	50.1
M675945		0.34	0.360	4.44	6.87	667	1300	1.41	3.10	2.10	9.97	49.3	12.0	30	14.10	314
M675946		2.63	0.357	7.51	6.84	164.0	830	2.17	2.50	1.47	18.00	50.6	17.7	12	29.2	60.3
M675947		5.17	<0.005	0.16	7.02	21.8	770	2.27	0.15	3.38	0.17	43.3	6.9	9	33.3	8.0
M675948		12.24	<0.005	0.07	6.89	18.8	1130	2.05	0.10	3.66	0.14	42.8	6.8	9	27.2	5.9
M675949		4.43	<0.005	0.16	7.36	26.4	4310	2.02	0.13	3.65	0.37	46.4	7.1	9	25.5	5.4
M675950		1.35	0.151	2.35	7.66	63.9	4250	1.82	1.74	2.88	2.10	41.1	10.4	10	25.9	25.9
M675951		2.44	<0.005	0.15	7.36	17.1	1130	2.16	0.21	3.47	0.91	43.8	6.2	9	28.1	5.7
M675952		1.31	0.074	2.44	7.45	51.9	1920	1.75	0.74	2.37	6.15	46.2	11.9	13	21.6	18.0
M675953		<0.02	0.068	2.66	7.69	53.7	2020	1.74	0.82	2.47	6.10	47.9	12.2	15	21.7	18.0
M675954		8.10	<0.005	0.13	7.18	8.8	2160	1.78	0.35	3.01	0.13	38.9	8.8	9	16.55	6.6
M675955		2.44	0.010	0.17	7.15	11.4	2060	1.81	0.36	3.16	0.28	41.0	7.5	11	12.50	6.1
M675956		1.43	0.014	0.15	7.11	9.4	1910	1.53	0.26	2.85	0.23	42.3	7.4	10	12.20	5.4
M675957		2.15	0.045	2.50	8.16	66.7	2010	1.44	1.97	2.62	0.63	35.2	17.3	11	14.60	5.0
M675958		1.48	0.233	7.73	7.27	1480	1900	1.64	1.74	2.70	30.6	34.2	12.8	11	20.1	42.3

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Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
M675923		2.66	16.40	0.10	1.3	0.038	2.85	16.1	37.1	0.35	585	0.47	0.20	8.5	2.2	590
M675924		2.41	15.15	0.14	1.3	0.059	2.58	22.7	191.0	0.60	1000	0.37	0.10	7.9	2.1	560
M675925		5.00	8.30	0.10	0.5	0.364	1.59	11.2	37.3	0.69	3920	2.69	0.02	3.6	2.6	260
M675926		0.46	0.24	0.07	<0.1	0.005	0.03	0.7	2.0	12.75	198	0.13	<0.01	0.2	1.5	170
M675927		2.30	15.45	0.11	1.3	0.044	2.98	21.8	36.9	0.68	1460	0.54	0.04	8.4	2.5	560
M675928		2.89	12.20	0.11	1.1	0.033	2.59	23.9	20.2	1.45	2420	0.98	0.05	6.3	3.2	410
M675929		2.80	16.70	0.15	1.5	0.033	2.98	19.7	28.6	0.64	663	0.58	1.75	8.8	2.5	560
M675930		3.03	17.20	0.24	1.2	0.036	3.12	21.9	36.5	0.71	744	1.10	1.02	9.0	2.4	630
M675931		3.79	14.80	0.16	1.1	0.101	3.03	32.7	49.0	0.76	1840	1.23	0.04	6.9	2.8	540
M675932		6.47	14.15	0.13	1.0	0.761	2.85	24.3	19.0	0.78	1800	8.21	0.12	6.3	12.6	510
M675933		3.73	12.65	0.13	1.0	0.150	2.66	17.3	20.5	0.66	2700	3.46	0.03	5.3	2.0	390
M675934		3.33	17.20	0.18	1.4	0.065	3.47	23.0	22.5	0.85	1630	1.86	0.10	8.0	2.7	580
M675935		2.98	14.85	0.13	1.3	0.037	2.99	22.7	57.4	0.95	1100	1.68	0.09	8.3	2.3	580
M675936		3.44	15.50	0.15	1.1	0.068	3.14	24.3	99.7	0.68	3600	1.45	0.04	7.9	2.6	600
M675937		4.82	14.50	0.13	1.0	1.955	3.15	27.5	7.4	0.34	1760	1.06	0.03	6.7	2.3	510
M675938		0.47	0.22	0.13	<0.1	<0.005	0.03	0.6	1.1	13.40	217	0.05	<0.01	0.2	1.4	180
M675939		2.86	16.55	0.14	1.3	0.068	3.16	17.3	17.0	0.65	1340	1.56	1.12	8.0	2.1	590
M675940		2.95	16.65	0.21	1.2	0.043	2.72	21.6	8.9	0.78	527	1.24	2.20	8.3	2.3	580
M675941		3.19	17.70	0.19	1.3	0.040	3.26	22.6	79.9	0.57	432	1.34	0.40	9.1	1.9	660
M675942		3.19	16.35	0.14	1.2	0.079	3.23	27.4	25.6	0.71	1400	2.10	0.14	7.2	2.7	560
M675943		2.56	20.0	0.20	4.5	0.036	2.64	39.3	59.9	0.77	564	0.92	0.05	11.4	5.5	1220
M675944		2.64	20.9	0.22	4.7	0.072	2.60	39.6	78.9	0.85	570	1.12	0.06	11.9	5.8	1190
M675945		5.12	14.75	0.14	1.0	0.297	3.01	28.0	26.5	0.81	1920	14.85	0.15	6.3	15.6	530
M675946		3.92	15.45	0.14	2.0	0.404	2.61	28.1	34.9	0.67	1410	6.89	0.06	8.0	4.4	600
M675947		2.63	20.2	0.18	3.8	0.031	2.80	21.6	42.6	1.05	709	0.89	0.08	11.5	4.4	800
M675948		2.50	19.45	0.21	3.6	0.030	2.78	21.8	41.3	1.08	562	0.50	0.07	11.0	4.3	760
M675949		2.56	19.15	0.19	3.6	0.023	2.81	23.7	37.8	1.05	611	1.30	0.06	10.8	4.3	780
M675950		3.00	16.75	0.14	2.5	0.151	3.16	19.9	23.3	0.84	953	1.69	0.08	9.3	3.8	660
M675951		2.73	20.1	0.19	3.7	0.030	3.07	21.8	33.4	1.07	775	0.55	0.08	11.6	4.3	830
M675952		2.83	15.80	0.15	1.6	0.123	3.30	23.0	60.8	0.80	1880	1.48	0.33	8.5	2.9	640
M675953		3.00	15.60	0.16	1.7	0.118	3.38	24.5	58.9	0.84	1960	1.42	0.34	8.5	3.4	680
M675954		2.90	17.30	0.17	1.2	0.044	2.87	19.5	23.8	0.75	567	1.29	1.95	8.8	2.3	600
M675955		3.42	18.40	0.17	1.3	0.103	2.78	19.5	11.3	0.82	934	1.62	2.06	9.6	2.6	670
M675956		2.82	16.55	0.17	1.1	0.065	2.59	21.3	10.5	0.70	721	1.91	1.92	8.2	2.1	570
M675957		7.42	18.95	0.15	1.2	0.190	3.15	16.9	57.4	1.54	2740	2.96	0.09	4.5	4.4	1140
M675958		7.53	17.75	0.13	1.1	0.313	3.21	17.0	34.1	1.35	5540	2.16	0.04	5.5	3.4	890

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	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
M675923		17.3	102.0	<0.002	0.10	16.50	9.7	1	1.9	154.5	0.66	<0.05	11.3	0.259	1.24	2.5
M675924		25.0	100.5	<0.002	0.26	20.9	9.7	1	1.9	157.0	0.66	0.06	13.4	0.245	1.61	5.4
M675925		4660	99.3	<0.002	4.03	119.0	4.9	1	2.6	72.0	0.28	0.52	6.0	0.118	1.34	3.8
M675926		9.3	1.4	<0.002	<0.01	0.33	0.2	1	<0.2	51.0	<0.05	<0.05	<0.2	<0.005	<0.02	0.6
M675927		43.1	130.5	<0.002	0.33	11.55	9.8	1	1.7	149.0	0.73	<0.05	13.5	0.235	2.98	6.0
M675928		37.7	144.5	<0.002	0.47	16.95	7.9	1	1.2	147.0	0.56	<0.05	11.9	0.188	2.51	6.4
M675929		19.3	102.5	<0.002	0.09	4.39	9.0	1	1.9	307	0.77	<0.05	10.9	0.250	1.48	3.8
M675930		16.9	109.0	<0.002	0.18	8.26	10.4	1	2.1	260	0.69	<0.05	12.5	0.270	1.70	3.8
M675931		92.9	161.0	<0.002	1.67	11.60	9.5	1	2.4	114.0	0.56	0.60	13.5	0.229	2.23	5.5
M675932		1290	164.5	<0.002	4.57	63.0	8.7	2	7.4	96.3	0.48	1.01	11.5	0.206	2.29	4.7
M675933		206	164.5	<0.002	3.03	20.8	7.2	1	4.0	51.8	0.41	0.86	9.0	0.172	2.17	4.6
M675934		30.4	164.5	<0.002	1.69	6.93	10.5	1	2.3	87.5	0.65	1.21	12.3	0.245	2.59	4.7
M675935		25.4	114.5	<0.002	0.75	9.78	9.7	1	1.8	169.5	0.66	0.21	13.2	0.250	2.07	5.1
M675936		730	162.0	<0.002	1.41	11.10	10.0	1	4.2	158.0	0.60	0.16	13.6	0.255	2.40	3.6
M675937		6280	159.0	<0.002	4.91	40.6	9.2	1	6.1	39.3	0.51	0.34	12.7	0.223	2.54	4.2
M675938		4.0	1.4	<0.002	<0.01	0.12	0.2	<1	<0.2	45.8	<0.05	<0.05	<0.2	<0.005	0.02	0.6
M675939		52.1	114.5	<0.002	0.45	3.58	9.0	1	1.9	217	0.64	0.18	9.6	0.242	2.16	3.4
M675940		26.0	98.7	<0.002	0.26	1.74	9.8	1	2.0	368	0.64	0.06	11.4	0.257	1.19	3.4
M675941		35.7	119.0	<0.002	0.17	7.61	10.5	1	2.1	180.0	0.72	<0.05	12.7	0.272	1.74	4.0
M675942		209	171.0	<0.002	1.42	6.64	9.8	1	2.3	157.5	0.57	0.23	13.1	0.233	2.25	6.5
M675943		24.7	91.9	<0.002	0.04	24.3	5.8	1	1.6	423	0.71	<0.05	10.3	0.330	1.19	3.7
M675944		37.4	87.6	<0.002	0.06	33.7	5.9	1	2.0	381	0.74	0.07	10.3	0.345	1.20	3.7
M675945		493	165.5	0.004	2.73	28.9	9.0	1	5.3	112.0	0.50	0.31	12.1	0.210	2.36	5.0
M675946		1030	145.0	0.002	2.62	19.55	7.9	1	2.8	218	0.58	0.64	11.4	0.244	1.88	5.5
M675947		19.5	72.3	<0.002	0.08	16.70	7.6	<1	1.5	423	0.81	<0.05	7.8	0.312	1.92	4.5
M675948		16.6	79.4	<0.002	0.03	12.60	7.4	1	1.3	506	0.78	<0.05	7.9	0.291	1.50	4.2
M675949		20.8	83.8	<0.002	0.19	10.65	7.8	1	1.3	488	0.76	<0.05	8.5	0.306	1.91	4.6
M675950		79.2	119.5	<0.002	1.28	15.15	7.8	1	2.4	382	0.66	0.32	8.3	0.281	1.81	5.6
M675951		24.7	84.3	<0.002	0.03	8.75	7.7	1	1.5	510	0.83	<0.05	8.2	0.320	1.72	4.3
M675952		478	147.0	<0.002	0.71	8.58	9.3	1	2.1	292	0.63	0.17	11.9	0.260	2.03	4.1
M675953		487	152.0	<0.002	0.75	8.74	9.2	1	2.2	304	0.64	0.22	12.6	0.269	2.05	4.2
M675954		21.1	99.6	<0.002	0.11	3.26	10.1	1	1.8	428	0.67	0.11	10.8	0.263	1.29	3.7
M675955		28.4	94.7	<0.002	0.12	3.10	11.4	1	2.0	397	0.77	0.10	10.3	0.281	1.49	3.9
M675956		21.2	101.5	<0.002	0.12	2.65	9.9	1	1.6	366	0.64	0.08	10.6	0.245	1.32	3.6
M675957		30.5	178.5	<0.002	1.00	6.64	12.9	1	2.2	182.0	0.25	1.33	3.1	0.363	2.30	2.0
M675958		1230	205	<0.002	3.72	18.15	11.2	1	4.0	230	0.34	0.83	4.8	0.327	2.68	3.9

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VANCOUVER BC V6B 1L8

Finalized Date: 21-AUG-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15117171

Sample Description	Method Analyte Units LOR	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Zn-OG62 Zn % 0.001
M675923		72	3.4	13.7	43	37.5	
M675924		65	3.1	16.6	48	38.2	
M675925		33	2.4	8.8	6950	14.1	
M675926		2	0.1	0.9	26	0.6	
M675927		66	7.3	15.8	85	39.3	
M675928		62	6.8	15.7	84	31.5	
M675929		65	1.9	14.4	54	37.9	
M675930		75	1.7	14.7	47	32.4	
M675931		70	2.7	14.0	221	31.4	
M675932		61	5.6	11.9	2370	30.7	
M675933		49	3.1	7.3	678	27.7	
M675934		71	3.6	12.0	54	34.0	
M675935		68	2.4	15.1	55	37.8	
M675936		68	3.0	13.5	872	35.3	
M675937		64	3.7	9.3	>10000	30.9	1.465
M675938		2	0.1	0.8	17	0.5	
M675939		70	1.1	11.3	97	32.7	
M675940		70	0.9	13.8	49	31.6	
M675941		74	2.3	15.1	94	33.1	
M675942		65	2.4	13.8	269	35.6	
M675943		58	1.4	10.8	151	171.5	
M675944		61	1.3	10.8	158	186.0	
M675945		66	5.3	12.6	893	32.9	
M675946		61	3.2	12.8	1480	80.1	
M675947		76	1.7	13.1	68	133.5	
M675948		69	1.4	12.9	59	123.5	
M675949		74	1.5	13.6	93	127.0	
M675950		75	2.7	13.1	239	101.5	
M675951		76	1.9	13.9	151	132.5	
M675952		69	2.3	14.9	575	58.3	
M675953		71	2.3	15.4	607	61.2	
M675954		70	1.3	14.4	47	31.0	
M675955		82	1.9	15.1	70	33.0	
M675956		65	1.4	13.9	56	29.0	
M675957		139	3.5	17.9	186	48.9	
M675958		114	6.9	15.8	2180	43.6	

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: Klaza

Finalized Date: 21-AUG-2015
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH15117171

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

Applies to Method:				
	BAG-06	CRU-31	CRU-QC	LOG-21
	LOG-21d	LOG-23	PUL-31	PUL-31d
	PUL-QC	SPL-21	SPL-21d	WEI-21

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:				
	Au-AA24	ME-MS61	ME-OG62	Zn-OG62

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Finalized Date: 20-AUG-2015
Account: ROCKHA

CERTIFICATE WH15119554

Project: Klaza

P.O. No.: BATCH 103

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 9-AUG-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21d	Sample logging - ClientBarCode Dup
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
BAG-06	Double Bagging Coarse Rejects
SPL-21d	Split sample - duplicate
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31d	Pulverize Split - duplicate

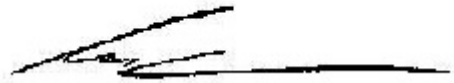
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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Finalized Date: 20-AUG-2015
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Project: Klaza

CERTIFICATE OF ANALYSIS WH15119554

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
K289575		2.77	<0.005	0.09	7.08	7.8	1840	1.20	0.36	1.73	0.17	40.1	7.4	10	12.35	11.2
K289576		1.04	0.034	0.76	6.47	115.0	980	1.45	0.46	3.31	0.47	51.5	9.4	8	13.80	33.0
K289577		5.56	<0.005	0.12	7.00	4.4	2010	1.24	0.24	2.60	0.11	47.1	7.2	9	15.25	12.6
K289578		2.70	0.013	9.40	6.80	59.1	2130	1.29	37.4	2.74	1.21	52.5	7.6	8	17.35	39.0
K289579		1.35	0.012	2.34	6.74	72.6	1230	1.46	4.84	2.96	1.13	45.7	7.1	8	17.25	20.3
K289580		2.99	<0.005	0.54	7.74	6.8	2370	1.59	4.07	1.50	0.14	52.5	6.6	8	12.20	7.4
K289581		6.96	0.007	4.44	6.77	15.3	1600	1.51	66.5	2.40	0.35	49.6	12.2	8	19.30	22.2
K289582		7.32	<0.005	0.24	8.06	6.8	1780	1.40	1.30	0.97	0.12	57.8	7.9	10	10.90	11.6
K289583		0.37	0.344	4.78	6.88	666	1110	1.43	3.39	2.14	10.50	53.2	11.7	23	13.80	330
K289584		5.09	<0.005	0.08	8.04	7.6	1790	1.26	0.67	1.10	0.14	55.6	6.5	10	11.25	8.0
K289585		3.35	<0.005	0.16	7.77	11.8	1590	1.63	1.80	1.01	0.06	67.8	6.0	8	20.4	3.7
K289586		2.36	0.044	0.72	7.19	62.1	2630	1.52	5.74	1.64	0.95	54.6	10.0	9	13.30	14.6
K289587		3.42	0.012	0.25	7.39	25.1	5070	1.11	0.48	1.45	0.28	49.8	6.7	9	5.92	13.3
K289588		6.09	0.016	0.08	8.14	6.2	2080	1.35	0.20	1.27	0.16	54.3	7.3	10	12.85	21.0
K289589		<0.02	<0.005	0.08	9.15	8.5	2680	1.54	0.16	1.32	0.18	62.5	8.2	11	14.55	14.1
K289590		5.79	<0.005	0.12	8.38	8.6	1490	1.54	0.15	0.98	0.17	60.2	7.8	10	12.85	20.1
K289591		7.26	<0.005	0.13	8.42	7.3	1540	1.37	0.19	1.18	0.23	62.5	8.3	13	10.95	9.3
K289592		3.83	0.039	1.67	7.89	333	1380	1.62	0.36	0.31	6.54	60.9	7.0	9	18.75	29.4
K289593		7.61	0.006	3.13	7.47	32.4	1060	1.37	30.9	1.95	1.77	49.9	9.0	10	18.30	21.4
K289594		7.88	0.373	1.44	6.91	99.7	670	1.09	1.54	2.00	5.69	48.5	11.6	12	10.85	55.7
K289595		4.08	<0.005	1.09	6.67	19.4	2360	1.44	21.3	3.64	0.14	45.5	8.5	8	25.6	13.9
K289596		0.35	0.927	13.45	6.63	1545	290	1.38	14.55	1.93	32.0	48.9	17.9	18	13.85	292
K289597		8.79	<0.005	0.08	7.22	2.5	2100	1.39	0.10	3.19	0.10	49.6	8.3	15	9.73	8.8
K289598		5.69	<0.005	0.14	7.21	4.6	2080	1.47	0.28	3.11	0.14	52.2	7.9	17	10.60	15.8
K289599		2.51	0.008	1.53	6.65	129.0	850	1.30	1.32	4.30	1.34	49.9	9.7	9	21.1	52.9
K289600		6.24	<0.005	0.23	7.28	9.0	1800	1.46	0.36	3.12	0.15	52.6	7.8	13	29.6	44.5
K289601		5.74	0.008	1.19	6.52	60.3	1660	1.23	1.28	4.71	0.37	45.4	8.2	8	18.90	90.5
K289602		5.08	<0.005	0.02	0.06	<0.2	30	<0.05	0.11	20.7	0.05	1.09	0.7	<1	0.17	4.8
K289603		6.54	<0.005	0.40	7.01	22.4	1870	1.78	0.59	3.04	0.22	45.8	9.4	11	16.40	121.0
K289604		6.33	<0.005	0.10	6.92	25.1	1560	1.79	0.14	2.99	0.30	45.5	8.6	11	24.0	10.3
K289605		1.68	<0.005	0.12	6.67	7.9	2150	1.53	0.31	4.02	0.15	46.9	8.2	9	12.40	13.8
K289606		5.15	<0.005	0.01	0.07	<0.2	20	0.07	0.04	20.2	0.06	1.22	0.6	<1	0.17	6.5
K289607		7.44	<0.005	0.18	7.20	2.5	2070	1.85	1.25	3.14	0.13	46.2	9.9	15	10.45	51.2
K289608		2.51	0.042	0.70	7.01	10.5	2160	1.32	2.56	2.30	0.23	40.1	13.6	9	12.00	18.9
K289609		4.06	<0.005	0.13	7.31	2.1	2030	1.78	0.28	2.78	0.14	50.1	8.8	13	9.08	34.4
K289610		3.85	<0.005	0.14	7.39	9.1	1430	1.53	2.75	1.76	0.09	39.7	8.8	11	15.70	13.4

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Finalized Date: 20-AUG-2015
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Project: Klaza

CERTIFICATE OF ANALYSIS WH15119554

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
K289575		3.05	17.15	0.11	1.1	0.069	2.90	18.7	28.5	0.57	1530	0.39	0.16	8.4	2.6	660
K289576		4.88	14.70	0.15	0.9	0.260	3.22	28.2	19.3	1.08	4720	0.35	0.05	6.4	3.2	580
K289577		3.31	16.40	0.14	1.0	0.059	2.82	23.5	27.3	0.76	1120	0.54	0.70	7.5	2.7	660
K289578		3.48	15.95	0.15	0.8	0.161	3.21	27.6	23.7	0.94	3780	0.20	0.11	7.0	2.9	590
K289579		3.21	16.05	0.14	0.9	0.127	3.42	23.0	18.7	0.90	3820	0.25	0.06	7.0	2.5	600
K289580		3.53	17.25	0.15	0.8	0.112	2.80	26.9	35.6	0.72	1430	0.11	0.48	7.7	2.7	640
K289581		3.18	16.60	0.15	1.0	0.113	2.95	25.8	27.7	0.96	1940	0.31	0.06	6.9	2.4	530
K289582		3.60	17.40	0.14	1.1	0.078	2.73	31.2	31.3	0.53	1300	0.21	0.29	8.4	2.9	700
K289583		5.34	16.15	0.16	1.1	0.328	3.13	29.7	27.3	0.81	2020	15.45	0.17	6.4	15.1	540
K289584		3.38	17.15	0.13	1.0	0.070	2.61	28.5	40.8	0.53	1230	0.25	0.08	8.0	2.9	680
K289585		3.88	18.45	0.16	0.9	0.207	2.82	36.3	33.4	0.66	1180	0.12	0.05	8.1	3.0	680
K289586		4.38	16.50	0.16	0.8	0.259	3.01	30.2	31.8	0.92	1980	0.25	0.06	7.1	2.6	580
K289587		3.08	13.90	0.14	1.1	0.081	2.21	25.3	50.1	0.57	1500	0.70	0.07	7.9	2.7	640
K289588		3.46	17.95	0.15	1.2	0.058	2.71	27.8	35.7	0.52	1270	1.15	0.13	8.7	2.5	710
K289589		3.85	19.85	0.17	1.3	0.067	3.03	31.6	42.1	0.58	1510	1.20	0.13	9.9	2.8	770
K289590		3.59	17.90	0.15	1.3	0.099	2.58	32.3	42.0	0.54	1760	0.71	0.07	9.2	3.1	680
K289591		3.44	17.00	0.16	1.2	0.094	2.24	34.0	51.7	0.58	1700	0.79	0.05	8.4	2.6	690
K289592		5.62	17.15	0.16	1.6	0.197	3.36	33.8	12.4	0.28	3480	8.31	0.20	7.7	2.4	590
K289593		3.73	16.60	0.14	1.4	0.063	2.54	25.3	51.7	0.79	2350	3.45	0.08	7.7	2.5	650
K289594		6.60	15.30	0.15	1.2	0.346	2.77	26.4	45.4	1.11	4130	1.26	0.17	6.7	2.9	560
K289595		2.75	15.65	0.15	1.1	0.069	2.20	23.2	40.8	0.84	1120	0.72	0.68	7.2	2.7	660
K289596		6.80	15.80	0.15	1.1	0.809	2.96	25.6	19.9	0.80	1900	9.40	0.13	6.5	12.4	550
K289597		3.24	17.10	0.17	1.4	0.041	2.43	24.0	12.8	0.95	785	1.02	2.24	7.7	3.3	680
K289598		3.17	16.75	0.15	1.4	0.036	2.56	26.7	13.4	0.91	829	1.44	2.16	7.7	2.8	670
K289599		3.25	15.50	0.15	1.1	0.037	2.65	25.3	13.5	1.00	2240	5.45	1.08	7.7	2.6	670
K289600		3.37	16.60	0.16	1.1	0.041	2.52	26.2	14.8	0.83	881	0.66	1.76	8.0	2.8	740
K289601		3.05	14.25	0.15	1.0	0.051	2.54	24.0	87.9	1.16	1460	7.75	0.23	6.4	2.8	570
K289602		0.44	0.22	0.09	<0.1	0.005	0.02	0.5	1.3	12.85	193	0.06	0.01	0.1	1.5	180
K289603		3.31	16.30	0.08	1.1	0.073	2.83	20.0	26.0	0.85	1520	2.98	1.45	8.1	2.8	660
K289604		3.10	15.85	0.08	1.0	0.089	2.72	20.7	158.0	0.80	1440	1.17	0.73	8.1	2.4	680
K289605		3.31	15.25	0.08	0.9	0.056	2.93	22.2	25.6	0.74	2120	21.4	0.87	7.2	2.3	590
K289606		0.47	0.19	0.08	<0.1	0.005	0.03	0.5	1.5	12.45	204	0.10	0.01	0.2	1.6	160
K289607		3.27	16.85	0.10	1.1	0.036	2.46	20.7	15.4	0.93	743	25.6	2.18	8.8	3.1	670
K289608		3.61	15.45	0.07	1.2	0.051	2.47	18.2	36.6	0.70	1220	5.42	0.50	7.8	2.5	610
K289609		3.19	16.95	0.09	1.2	0.038	2.57	22.5	14.0	0.87	725	0.81	2.07	8.5	2.5	660
K289610		3.69	16.95	0.08	1.1	0.062	2.92	17.5	63.8	0.80	1160	6.47	0.29	8.5	2.6	690

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Project: Klaza

CERTIFICATE OF ANALYSIS WH15119554

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
K289575		19.2	99.7	<0.002	0.12	10.90	11.3	1	1.9	155.5	0.69	<0.05	12.1	0.282	1.43	3.5
K289576		66.9	200	<0.002	2.10	22.0	10.6	1	2.6	142.5	0.51	<0.05	10.1	0.231	2.44	5.2
K289577		24.4	103.0	<0.002	0.05	4.81	11.5	1	1.6	301	0.61	<0.05	11.4	0.264	1.32	3.3
K289578		116.5	198.0	<0.002	0.62	19.85	10.9	2	3.2	122.0	0.57	0.28	11.4	0.252	2.57	5.1
K289579		77.5	182.5	<0.002	0.45	15.20	10.7	1	2.0	141.5	0.57	<0.05	10.7	0.252	2.77	4.9
K289580		13.2	141.5	<0.002	0.14	12.90	11.7	1	1.8	134.5	0.61	0.09	12.5	0.275	1.73	2.9
K289581		58.5	178.5	<0.002	0.36	21.5	10.5	2	1.6	104.5	0.62	1.20	11.9	0.235	2.49	3.9
K289582		12.6	121.5	<0.002	0.06	19.25	12.7	1	1.7	114.5	0.66	<0.05	13.5	0.289	1.40	2.5
K289583		517	163.5	0.004	2.82	31.4	9.4	1	5.8	117.5	0.55	0.34	12.0	0.215	2.45	5.3
K289584		11.4	103.5	<0.002	0.05	16.90	12.6	1	1.7	112.0	0.66	<0.05	14.0	0.292	1.40	2.7
K289585		8.6	155.5	<0.002	0.18	15.60	13.0	1	2.2	104.5	0.61	0.08	13.9	0.286	2.37	2.7
K289586		42.0	170.5	<0.002	0.63	18.10	10.9	1	3.1	97.7	0.60	0.65	12.2	0.255	2.04	3.8
K289587		21.4	83.8	<0.002	0.33	22.6	11.1	1	2.0	126.5	0.72	<0.05	12.9	0.263	1.05	3.7
K289588		17.6	110.5	<0.002	0.07	21.3	13.1	1	1.9	118.5	0.81	<0.05	14.8	0.295	1.19	3.2
K289589		18.0	131.5	<0.002	0.09	25.8	15.3	1	1.9	134.0	0.86	<0.05	16.8	0.321	1.33	3.5
K289590		16.8	130.5	<0.002	0.17	25.2	12.2	1	1.8	93.4	0.80	<0.05	16.2	0.287	1.44	3.6
K289591		15.1	122.0	<0.002	0.20	25.1	12.8	1	1.9	89.9	0.78	<0.05	15.8	0.285	1.36	2.6
K289592		606	198.0	<0.002	<0.01	9.57	11.9	1	4.6	55.9	0.73	<0.05	15.6	0.252	2.68	7.1
K289593		76.5	110.5	<0.002	0.24	23.6	12.1	1	2.0	91.2	0.64	0.19	12.2	0.281	1.66	4.4
K289594		270	158.0	<0.002	1.46	13.65	10.3	1	2.4	90.6	0.55	<0.05	12.3	0.239	2.11	7.3
K289595		27.2	106.5	<0.002	0.15	14.60	11.1	2	2.5	216	0.59	0.31	10.5	0.261	1.91	16.7
K289596		1385	165.5	<0.002	4.76	67.3	9.2	2	7.9	102.0	0.56	1.68	12.1	0.214	2.50	5.2
K289597		15.7	87.0	<0.002	0.01	3.20	12.3	1	1.4	414	0.61	<0.05	11.6	0.282	0.92	2.9
K289598		16.0	101.0	<0.002	0.02	2.24	12.2	1	1.6	398	0.64	<0.05	12.7	0.285	1.03	4.5
K289599		48.5	149.0	<0.002	0.30	19.60	12.3	1	1.9	202	0.60	<0.05	10.8	0.287	1.86	5.5
K289600		14.0	121.5	<0.002	0.06	8.37	13.4	1	1.9	354	0.62	<0.05	11.9	0.305	1.54	4.4
K289601		211	120.0	<0.002	0.39	49.9	9.9	1	1.6	208	0.51	<0.05	10.7	0.243	2.26	8.1
K289602		1.4	1.1	<0.002	<0.01	0.10	0.2	1	0.2	49.8	<0.05	<0.05	<0.2	<0.005	0.02	0.7
K289603		19.1	114.0	<0.002	0.23	9.69	11.9	1	1.7	339	0.57	0.05	10.7	0.299	1.87	3.6
K289604		25.2	116.0	<0.002	0.21	9.25	12.3	1	1.8	291	0.58	<0.05	10.7	0.290	1.78	5.2
K289605		19.5	134.0	0.002	0.17	3.59	10.5	1	1.6	261	0.54	<0.05	11.3	0.251	1.77	6.3
K289606		1.2	1.3	<0.002	<0.01	0.05	0.2	<1	<0.2	45.2	<0.05	<0.05	<0.2	<0.005	0.02	0.7
K289607		14.2	85.8	0.003	0.10	1.11	12.3	1	1.9	414	0.68	<0.05	11.6	0.296	1.02	3.8
K289608		18.0	82.6	<0.002	0.46	11.75	10.5	1	1.9	172.0	0.62	<0.05	11.6	0.269	1.18	3.4
K289609		15.8	85.4	<0.002	0.02	1.45	12.0	1	1.7	396	0.72	<0.05	12.7	0.288	0.99	4.0
K289610		22.3	93.7	<0.002	0.13	7.45	12.2	1	1.9	175.5	0.63	<0.05	10.6	0.307	1.90	3.5

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
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Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 20-AUG-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15119554

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	V	W	Y	Zn	Zr
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	1	0.1	0.1	2	0.5
K289575		84	3.1	13.5	85	28.5
K289576		75	4.9	16.7	112	22.6
K289577		81	2.7	15.5	73	27.1
K289578		79	3.1	14.7	200	22.5
K289579		76	3.0	15.0	165	24.6
K289580		89	2.9	16.0	95	23.3
K289581		82	2.9	14.5	90	27.1
K289582		86	2.8	16.2	93	28.1
K289583		68	5.3	12.3	929	35.9
K289584		87	2.3	16.8	89	26.9
K289585		85	2.7	15.3	87	24.3
K289586		80	2.6	13.9	181	23.1
K289587		62	7.3	15.4	91	28.7
K289588		89	6.8	17.7	83	31.7
K289589		98	8.1	20.1	95	34.9
K289590		80	7.0	17.4	91	33.2
K289591		76	8.9	17.3	92	31.9
K289592		98	11.8	19.3	913	49.6
K289593		84	7.3	15.8	267	41.0
K289594		74	7.3	14.0	883	37.5
K289595		77	4.7	14.2	122	33.5
K289596		64	5.6	11.3	2530	33.6
K289597		86	0.8	16.9	65	43.7
K289598		86	1.1	17.4	70	42.8
K289599		82	3.4	15.7	255	29.3
K289600		95	2.6	15.8	72	31.7
K289601		72	3.1	14.3	82	28.9
K289602		2	0.1	0.7	15	<0.5
K289603		86	4.3	15.3	69	31.2
K289604		87	4.4	14.8	84	26.6
K289605		73	11.7	15.6	76	23.7
K289606		2	0.1	0.7	15	<0.5
K289607		86	6.3	16.0	57	29.0
K289608		73	7.6	14.2	80	28.0
K289609		81	2.0	16.7	60	31.5
K289610		88	4.1	13.4	77	27.5

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: Klaza

Finalized Date: 20-AUG-2015
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH15119554

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	ME-MS61

ALS Canada Ltd.

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 20-AUG-2015
Account: ROCKHA

CERTIFICATE WH15119556

Project: Klaza

P.O. No.: BATCH 105

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 9-AUG-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21d	Sample logging - ClientBarCode Dup
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
BAG-06	Double Bagging Coarse Rejects
SPL-21d	Split sample - duplicate
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31d	Pulverize Split - duplicate

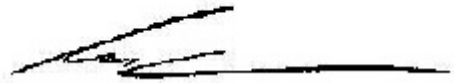
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 20-AUG-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15119556

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
M675959		2.54	0.006	0.26	7.04	21.5	1740	1.60	0.72	2.38	0.26	37.9	5.8	9	12.80	30.6
M675960		1.60	0.153	4.31	6.17	233	990	1.64	3.75	2.20	15.90	42.5	42.5	7	12.90	38.4
M675961		5.66	<0.005	0.14	6.87	17.2	2310	1.66	0.59	2.60	0.14	40.8	7.9	12	17.30	21.3
M675962		6.16	<0.005	0.10	7.16	11.7	2090	1.71	0.48	2.45	0.10	46.8	7.0	18	14.85	18.9
M675963		3.22	0.006	0.21	7.17	64.4	1030	1.62	0.35	3.18	0.25	50.3	8.5	6	23.9	25.5
M675964		0.34	0.344	4.63	6.84	742	580	1.64	3.37	2.13	11.00	49.7	13.2	27	14.00	326
M675965		2.39	<0.005	0.12	7.01	44.5	1680	1.36	0.23	2.80	0.23	47.1	7.6	9	20.3	14.4
M675966		6.00	<0.005	0.06	6.97	28.1	2370	1.85	0.25	2.89	0.12	37.9	6.5	12	15.20	10.2
M675967		4.68	<0.005	0.11	7.11	47.4	2240	1.79	0.25	2.53	0.10	41.1	6.9	11	14.75	9.9
M675968		9.72	<0.005	0.09	6.83	25.5	2150	1.65	0.35	2.55	0.13	43.1	6.4	11	13.20	12.6
M675969		<0.02	<0.005	0.09	7.44	27.0	2260	1.75	0.30	2.67	0.12	48.4	6.4	11	14.50	12.8
M675970		7.78	0.005	0.48	6.96	40.3	1600	1.79	0.58	2.57	0.24	40.4	8.5	10	22.7	24.0
M675971		4.41	0.050	1.72	7.40	101.0	1370	1.83	1.19	1.86	9.40	41.5	9.3	7	31.0	17.6
M675972		3.17	0.006	0.33	7.07	42.0	3630	1.79	0.16	2.06	0.35	62.9	6.2	25	24.3	15.9
M675973		2.28	0.207	7.35	7.10	313	1020	1.62	1.52	1.49	21.3	58.2	8.6	8	18.65	33.0
M675974		1.92	<0.005	0.10	7.50	17.9	2180	1.41	0.21	1.54	0.18	45.4	6.0	7	19.60	5.5
M675975		1.87	<0.005	0.07	7.33	7.2	2370	1.73	0.09	2.71	0.14	47.3	7.2	10	17.45	5.9
M675976		1.14	0.021	0.51	7.28	38.2	1410	1.64	0.38	2.19	0.63	47.6	5.3	9	28.4	8.2
M675977		2.92	<0.005	0.17	6.86	21.5	760	1.56	0.08	2.63	0.24	42.1	5.9	10	27.0	7.2
M675978		1.56	<0.005	0.16	6.95	21.7	570	1.63	0.08	2.66	0.25	45.2	6.2	8	27.4	8.5
M675979		1.03	0.239	1.57	7.38	2010	700	1.71	0.34	2.79	9.28	52.8	9.3	8	23.6	27.8
M675980		3.38	<0.005	0.15	7.15	21.9	2210	1.68	0.17	2.76	0.12	43.1	6.0	11	16.40	19.5
M675981		1.18	0.735	8.09	5.66	2230	110	1.34	0.31	2.69	6.13	33.8	7.8	7	21.9	20.9
M675982		4.91	<0.005	0.02	0.06	2.7	90	0.05	0.01	21.3	0.07	1.13	0.6	<1	0.15	1.1
M675983		2.74	0.030	0.55	7.05	301	1550	1.43	0.09	2.59	1.33	42.4	6.2	9	21.7	9.2
M675984		5.75	<0.005	0.06	7.43	8.0	2310	1.59	0.11	2.58	0.10	48.7	8.2	12	11.10	7.3
M675985		7.62	<0.005	0.06	7.59	8.6	2420	1.50	0.21	2.62	0.11	52.9	8.7	13	9.71	7.3
M675986		11.25	<0.005	0.13	7.14	9.7	2230	1.55	0.28	2.65	0.11	44.1	7.2	12	16.50	22.2
M675987		2.51	<0.005	0.23	7.73	20.8	2350	1.77	0.50	2.28	0.21	53.2	7.4	9	12.35	25.6
M675988		0.36	0.796	11.30	6.25	1560	1130	1.38	12.75	1.77	32.2	45.7	17.6	17	13.80	276
M675989		2.75	0.254	8.05	7.07	2030	910	1.51	3.34	1.57	41.3	47.9	32.6	15	9.04	39.4
M675990		5.05	<0.005	0.04	0.07	3.5	30	0.07	0.05	20.7	1.56	1.28	0.6	<1	0.15	2.7
M675991		1.73	0.594	18.80	7.27	3560	660	1.37	2.28	0.38	53.1	50.1	24.3	13	9.04	96.8
M675992		4.66	0.197	3.79	7.61	129.0	1250	1.53	3.84	2.12	10.20	52.5	7.1	9	19.65	105.5
M675993		6.36	0.011	0.66	7.62	30.0	1440	1.72	0.98	2.20	3.38	50.0	7.4	10	24.1	46.7
M675994		1.84	<0.005	0.06	7.68	5.2	2290	1.42	0.13	1.79	0.11	48.3	5.5	9	18.50	4.7

***** See Appendix Page for comments regarding this certificate *****

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 20-AUG-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15119556

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
M675959		3.09	16.45	0.08	1.3	0.046	2.84	17.1	59.2	0.83	909	0.72	1.17	8.2	2.2	590
M675960		7.56	13.45	0.08	1.1	0.247	2.98	20.9	29.0	0.90	2520	1.94	0.03	6.3	3.4	520
M675961		3.01	16.20	0.07	1.2	0.041	2.99	18.3	39.4	0.73	716	0.62	1.64	8.3	2.4	600
M675962		2.93	16.60	0.08	1.5	0.039	2.78	21.5	39.9	0.68	647	0.74	1.68	8.5	2.3	600
M675963		2.97	15.40	0.08	1.3	0.041	2.40	24.1	190.0	0.93	921	1.75	0.05	8.5	2.3	620
M675964		5.25	17.15	0.08	1.1	0.302	3.14	25.0	33.6	0.79	1930	14.70	0.15	7.0	14.8	550
M675965		3.12	17.10	0.08	1.2	0.046	2.73	21.6	96.9	0.90	705	1.20	0.46	8.8	2.4	630
M675966		2.99	16.90	0.07	1.2	0.042	2.83	16.8	18.5	0.69	587	1.55	2.12	8.6	2.4	630
M675967		3.04	17.00	0.07	1.1	0.046	2.92	17.9	37.1	0.69	617	1.84	2.09	8.7	2.2	610
M675968		2.82	15.75	0.07	1.2	0.058	2.73	19.2	14.9	0.68	563	1.71	2.05	8.3	2.1	580
M675969		3.00	16.65	0.08	1.2	0.061	2.87	22.5	16.0	0.72	584	1.84	2.15	9.0	2.3	610
M675970		3.09	17.00	0.07	1.3	0.039	2.87	17.9	47.8	0.72	774	6.71	1.29	9.1	2.7	620
M675971		2.84	17.75	0.07	1.0	0.103	3.20	18.6	57.4	0.80	1190	1.73	0.04	8.4	3.3	630
M675972		2.45	18.15	0.09	3.9	0.037	1.59	30.4	249	0.83	690	1.02	0.04	10.3	9.4	1060
M675973		3.85	17.25	0.10	1.6	0.192	3.25	28.7	29.3	0.66	1380	3.28	0.03	8.1	3.3	610
M675974		2.60	17.00	0.07	1.4	0.055	3.19	21.0	82.7	0.50	720	1.28	0.09	8.9	1.9	630
M675975		3.03	17.80	0.09	1.3	0.040	2.95	20.9	16.2	0.73	633	1.43	2.24	8.9	2.4	630
M675976		3.34	17.30	0.09	1.1	0.086	3.61	23.0	282	0.73	1830	1.85	0.13	8.3	2.3	600
M675977		2.68	16.40	0.08	1.2	0.040	2.82	19.6	151.5	0.80	964	1.84	0.05	8.2	2.1	600
M675978		2.80	16.85	0.08	1.3	0.044	2.84	20.4	196.5	0.81	994	3.58	0.05	8.7	2.2	620
M675979		4.08	17.70	0.09	1.3	0.079	3.36	25.2	81.0	0.88	2320	3.29	0.25	9.2	2.6	720
M675980		3.25	17.00	0.08	1.4	0.056	3.24	18.8	20.3	0.70	992	2.23	1.80	8.6	2.3	620
M675981		7.77	13.25	0.08	1.1	0.047	2.98	15.0	130.0	0.57	1960	2.22	0.12	6.7	2.1	460
M675982		0.50	0.16	0.07	<0.1	<0.005	0.02	0.5	1.3	13.10	208	0.15	<0.01	0.1	1.5	190
M675983		3.04	16.75	0.09	1.3	0.043	3.29	18.7	74.7	0.67	1640	1.97	1.00	8.3	2.2	580
M675984		3.12	18.05	0.09	1.5	0.040	2.83	22.4	17.7	0.87	645	1.53	2.45	9.2	2.5	630
M675985		3.05	18.00	0.09	1.5	0.040	2.87	24.5	16.2	0.84	595	1.92	2.44	9.3	2.5	610
M675986		3.07	17.35	0.08	1.3	0.049	2.79	20.6	16.2	0.73	585	0.88	2.13	8.9	2.4	610
M675987		3.11	17.85	0.15	1.2	0.060	3.27	28.0	28.4	0.58	626	2.03	1.27	8.6	11.3	640
M675988		6.22	15.40	0.09	1.0	0.788	2.83	24.5	20.1	0.72	1700	8.99	0.11	6.4	12.6	510
M675989		5.34	16.95	0.09	1.8	0.285	3.77	25.2	6.2	0.68	2870	3.21	0.03	7.0	6.5	660
M675990		0.46	0.27	0.18	<0.1	0.011	0.03	0.6	1.0	12.60	202	0.23	0.01	0.1	2.0	200
M675991		5.74	17.30	0.09	1.5	0.287	3.75	26.2	6.3	0.40	491	3.90	0.03	6.8	4.0	700
M675992		3.20	17.00	0.11	1.1	0.506	3.54	28.3	54.7	0.81	1470	2.14	0.05	7.8	2.2	590
M675993		3.01	15.95	0.12	1.0	0.201	3.13	26.5	229	0.80	892	3.03	0.06	7.6	2.4	600
M675994		2.92	16.55	0.12	1.1	0.041	2.91	25.0	69.5	0.57	548	1.42	1.34	8.3	2.1	630

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 20-AUG-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15119556

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
M675959		18.1	97.9	<0.002	0.32	6.06	9.9	1	2.4	316	0.61	0.10	11.9	0.255	1.55	3.9
M675960		290	175.5	0.003	6.02	8.04	8.4	2	3.2	164.0	0.48	1.67	11.3	0.202	2.46	5.9
M675961		17.0	97.9	<0.002	0.26	4.27	9.7	1	2.0	368	0.59	0.09	11.5	0.262	1.45	3.4
M675962		16.6	95.5	<0.002	0.17	4.26	10.1	1	2.3	343	0.68	0.08	13.1	0.263	1.17	3.9
M675963		17.8	87.8	<0.002	0.28	17.60	10.7	1	2.5	306	0.65	<0.05	13.8	0.257	1.36	7.4
M675964		516	150.5	0.004	2.80	30.2	9.8	1	5.9	113.0	0.52	0.32	12.3	0.217	2.54	5.6
M675965		16.5	87.6	<0.002	0.19	9.32	10.8	1	1.8	267	0.66	<0.05	12.3	0.266	1.35	3.7
M675966		17.2	87.5	<0.002	0.11	2.67	9.7	1	1.6	405	0.65	<0.05	10.4	0.270	1.20	3.6
M675967		21.1	91.6	<0.002	0.19	3.03	9.6	1	1.7	392	0.67	0.05	10.8	0.269	1.30	3.8
M675968		19.2	94.4	<0.002	0.12	2.32	9.5	1	1.6	374	0.68	<0.05	12.0	0.245	1.18	3.9
M675969		18.5	106.5	<0.002	0.12	2.35	10.5	1	1.7	396	0.72	<0.05	13.0	0.263	1.26	4.5
M675970		34.5	98.9	<0.002	0.16	7.32	10.2	1	1.8	315	0.71	0.08	10.1	0.272	1.70	4.0
M675971		389	118.5	<0.002	0.50	9.60	10.2	1	2.5	225	0.59	0.28	10.0	0.269	2.66	3.8
M675972		39.7	58.2	<0.002	0.16	18.80	6.3	1	1.9	630	0.68	<0.05	9.7	0.318	0.98	4.1
M675973		1090	173.5	<0.002	2.74	21.8	10.0	1	7.7	191.5	0.59	0.32	13.7	0.244	2.66	5.1
M675974		17.6	104.5	<0.002	0.13	15.65	10.3	1	2.1	156.0	0.70	<0.05	13.3	0.270	1.54	3.0
M675975		18.9	98.7	<0.002	0.03	1.80	10.5	1	1.9	393	0.64	<0.05	11.9	0.275	1.30	3.8
M675976		65.4	171.5	<0.002	0.65	18.80	10.8	1	2.9	183.5	0.60	0.07	12.4	0.258	2.44	3.6
M675977		17.7	83.8	<0.002	0.21	12.65	9.7	1	2.0	235	0.62	<0.05	11.7	0.259	1.96	4.8
M675978		20.8	85.2	<0.002	0.21	14.45	10.2	1	2.2	237	0.67	<0.05	11.9	0.265	1.97	5.1
M675979		168.5	181.0	<0.002	1.35	22.4	12.9	1	5.2	186.0	0.66	<0.05	12.9	0.297	2.65	5.0
M675980		18.4	109.5	<0.002	0.05	3.08	9.9	1	1.9	350	0.66	<0.05	11.3	0.269	1.56	3.6
M675981		1780	130.0	<0.002	6.96	32.4	8.0	<1	3.8	171.0	0.54	<0.05	9.2	0.203	2.02	4.0
M675982		4.7	1.0	<0.002	0.01	0.06	0.2	<1	<0.2	48.5	<0.05	<0.05	<0.2	<0.005	<0.02	0.7
M675983		81.7	126.5	<0.002	0.30	9.97	9.6	1	2.3	248	0.64	<0.05	11.0	0.251	2.01	3.9
M675984		17.2	97.6	<0.002	0.03	1.60	10.8	1	1.9	429	0.73	<0.05	12.9	0.273	1.14	4.8
M675985		17.7	103.0	<0.002	0.05	1.28	11.3	1	1.9	447	0.75	0.08	14.1	0.272	1.09	5.1
M675986		16.2	103.0	<0.002	0.11	3.92	10.4	1	2.0	388	0.65	0.06	12.5	0.264	1.32	3.8
M675987		28.2	137.0	0.003	0.36	7.45	11.6	1	2.1	303	0.64	0.14	13.3	0.274	1.60	4.5
M675988		1280	166.0	0.003	4.35	64.7	9.1	2	7.8	94.8	0.53	1.05	11.0	0.198	2.61	5.5
M675989		1230	257	0.003	4.68	24.5	10.6	1	4.7	47.0	0.51	1.03	9.7	0.269	3.11	5.8
M675990		5.3	1.7	<0.002	0.01	0.21	0.2	<1	<0.2	49.4	<0.05	<0.05	<0.2	<0.005	0.03	0.6
M675991		2340	239	0.005	5.84	44.1	11.0	1	8.7	27.2	0.54	0.74	10.4	0.287	3.06	4.5
M675992		542	175.0	0.002	0.85	30.5	10.1	1	2.4	152.0	0.65	0.09	13.7	0.249	2.76	6.8
M675993		46.6	136.0	0.002	0.40	23.8	10.0	1	1.8	214	0.61	0.09	12.4	0.254	2.20	4.6
M675994		16.4	118.0	0.002	0.04	9.41	10.3	1	1.8	265	0.67	<0.05	13.4	0.262	1.32	4.8

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 20-AUG-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15119556

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	V	W	Y	Zn	Zr
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	1	0.1	0.1	2	0.5
M675959		68	1.6	13.1	58	34.9
M675960		56	2.9	11.7	1300	35.4
M675961		69	1.6	13.1	48	34.4
M675962		68	1.4	14.9	44	39.2
M675963		70	1.7	17.0	51	35.7
M675964		68	5.8	11.9	914	33.4
M675965		71	1.6	16.4	54	33.4
M675966		71	1.6	13.9	44	32.5
M675967		72	1.7	13.8	52	31.7
M675968		66	1.7	14.4	45	32.2
M675969		71	1.7	16.1	46	33.3
M675970		73	3.5	14.7	50	34.8
M675971		69	4.6	13.4	633	30.4
M675972		59	5.2	12.0	87	158.5
M675973		65	5.7	12.7	1470	50.9
M675974		69	2.2	14.0	46	36.5
M675975		72	1.4	15.7	49	37.8
M675976		70	3.1	17.7	83	31.1
M675977		68	6.5	13.6	59	32.3
M675978		70	6.6	14.8	59	35.6
M675979		83	4.2	18.1	792	34.8
M675980		72	2.3	15.2	53	37.4
M675981		53	2.7	11.4	449	28.3
M675982		2	0.1	0.7	18	<0.5
M675983		68	3.2	14.2	140	34.8
M675984		74	1.9	17.6	46	40.5
M675985		71	3.1	18.5	43	41.2
M675986		71	3.0	15.9	46	36.3
M675987		75	2.3	16.7	60	34.9
M675988		60	5.8	11.0	2340	29.3
M675989		76	2.8	11.8	3380	64.5
M675990		2	0.1	0.8	98	0.5
M675991		85	4.4	7.3	4410	46.9
M675992		69	4.5	14.4	1030	29.6
M675993		70	3.7	14.3	373	26.9
M675994		71	2.4	15.8	43	29.6

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: Klaza

Finalized Date: 20-AUG-2015
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH15119556

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	ME-MS61

ALS Canada Ltd.

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 20-AUG-2015
Account: ROCKHA

CERTIFICATE WH15119557

Project: Klaza

P.O. No.: BATCH 106

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 9-AUG-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21d	Sample logging - ClientBarCode Dup
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
BAG-06	Double Bagging Coarse Rejects
SPL-21d	Split sample - duplicate
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31d	Pulverize Split - duplicate

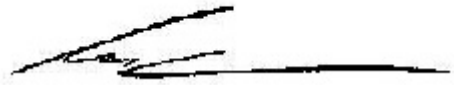
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Pb-OG62	Ore Grade Pb - Four Acid	VARIABLE
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.

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Finalized Date: 20-AUG-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15119557

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
M675995		2.95	0.032	7.44	7.69	148.0	1470	1.95	0.43	2.32	5.86	62.9	7.4	13	28.6	73.9
M675996		1.30	0.171	2.64	7.49	426	1770	2.02	0.36	2.69	8.99	87.6	11.5	12	33.0	23.1
M675997		1.43	0.760	17.50	6.78	4040	810	1.52	4.58	2.08	63.1	58.1	16.9	7	14.95	144.0
M675998		3.57	0.020	0.66	6.74	117.0	1090	1.79	0.59	2.56	2.05	37.2	5.2	10	15.70	12.8
M675999		3.39	0.006	0.20	6.85	16.0	1320	1.73	0.38	3.20	0.15	45.2	4.5	10	13.35	17.2
M676000		4.07	<0.005	0.08	7.50	6.5	1920	1.67	0.13	2.94	0.12	56.4	6.7	12	19.90	6.3
K289901		2.49	0.006	0.14	7.30	15.9	2870	1.48	0.30	2.46	0.20	53.2	14.5	9	15.20	4.5
K289902		0.32	0.356	4.77	7.06	774	1100	1.45	3.67	2.17	11.30	52.4	13.1	25	15.10	332
K289903		1.55	0.033	1.06	6.46	87.4	250	1.89	0.22	2.98	1.19	51.3	9.0	10	31.7	228
K289904		1.79	0.014	0.29	6.40	40.2	260	1.58	0.20	3.60	0.69	47.2	8.8	8	24.6	82.4
K289905		2.48	<0.005	0.27	7.54	16.1	320	1.57	0.11	3.03	0.29	48.5	6.0	8	30.2	35.6
K289906		2.25	0.005	0.15	6.93	18.1	1140	1.50	0.18	3.50	0.15	44.9	5.0	8	21.6	9.2
K289907		2.54	0.007	0.28	7.23	34.9	2390	1.84	0.15	3.52	0.13	51.8	6.3	9	23.2	10.4
K289908		<0.02	0.007	0.27	6.96	34.0	2150	1.80	0.17	3.52	0.14	48.7	5.7	14	23.2	11.4
K289909		1.65	<0.005	0.06	7.83	9.0	1710	1.42	0.11	2.58	0.11	51.7	6.7	9	26.9	15.5
K289910		3.10	<0.005	0.06	7.16	7.7	1780	1.53	0.13	2.52	0.12	48.5	7.0	11	21.1	8.8
K289911		2.04	0.018	1.82	7.69	165.0	1560	1.67	0.43	2.30	7.43	56.2	7.5	9	19.15	15.2
K289912		5.12	<0.005	0.06	7.62	5.6	2260	1.56	0.10	2.62	0.12	52.9	6.6	14	13.20	12.0
K289913		2.80	<0.005	0.05	7.38	4.4	2190	1.66	0.10	2.62	0.11	48.6	6.4	10	13.15	11.2
K289914		4.77	<0.005	0.10	7.43	5.5	2220	1.54	0.13	2.76	0.11	50.9	6.2	10	20.5	25.7
K289915		5.24	<0.005	0.09	7.66	8.0	2180	1.40	0.13	2.25	0.12	47.3	6.8	10	16.05	19.0
K289916		1.74	0.013	0.49	7.47	55.0	4050	1.43	0.24	2.75	0.35	52.3	8.9	9	20.1	10.0
K289917		2.03	0.006	0.21	7.60	50.6	2010	1.34	0.15	2.10	0.23	49.6	5.7	9	17.50	11.0
K289918		1.15	0.292	2.24	5.05	2570	1270	1.35	0.49	3.25	3.39	40.0	10.3	6	23.2	21.4
K289919		3.65	<0.005	0.03	0.14	3.5	110	0.08	0.03	21.5	0.09	1.51	0.8	1	0.67	1.7
K289920		1.29	0.022	0.80	7.77	192.5	580	1.58	0.67	3.21	0.89	61.6	16.0	7	20.5	5.3
K289921		2.27	<0.005	1.03	7.23	29.8	3560	1.60	0.22	2.04	1.01	49.9	4.3	9	15.55	12.0
K289922		1.10	<0.005	0.08	7.58	6.9	2330	1.69	0.22	2.16	0.07	47.0	6.4	10	13.95	3.0
K289923		2.62	<0.005	0.08	6.84	5.8	2060	1.50	0.18	2.91	0.05	46.5	3.6	14	9.16	7.2
K289924		0.35	0.919	11.65	6.23	1435	280	1.31	12.00	1.83	30.1	45.8	19.3	19	13.35	280
K289925		3.86	<0.005	0.14	7.01	7.2	2100	1.63	0.21	2.39	0.07	39.2	11.1	10	7.59	7.9
K289926		1.94	0.006	0.27	7.13	7.9	1800	1.77	0.23	1.41	0.72	41.0	6.5	9	12.75	6.4
K289927		1.17	0.134	29.3	6.18	172.0	370	1.43	2.39	3.37	60.0	80.5	10.5	7	10.05	150.5
K289928		4.26	<0.005	0.05	0.07	0.2	30	0.07	0.05	20.8	0.12	1.17	1.0	1	0.26	3.8
K289929		1.30	0.007	0.26	6.91	13.6	2830	1.58	0.26	2.78	1.64	34.6	2.1	10	8.16	3.6
K289930		1.19	0.006	0.34	7.52	31.0	2140	1.26	0.13	2.68	0.15	51.1	7.2	8	15.15	7.3

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 20-AUG-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15119557

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
M675995		2.52	18.75	0.15	2.4	0.099	2.66	33.6	149.5	0.89	1200	10.10	0.04	10.4	5.8	890
M675996		2.92	18.90	0.13	2.3	0.102	2.88	50.6	49.8	0.82	2900	5.75	0.04	10.0	4.6	850
M675997		4.61	15.85	0.09	1.0	0.523	3.23	34.5	12.7	0.69	3870	3.71	0.04	7.2	2.0	520
M675998		2.93	15.75	0.10	1.1	0.111	2.64	18.1	85.9	0.61	1440	1.14	0.83	7.6	1.9	560
M675999		2.84	16.65	0.13	1.2	0.092	2.81	23.0	21.0	0.70	1100	0.76	1.42	8.0	1.8	580
M676000		2.88	16.70	0.13	1.3	0.048	3.02	29.7	12.1	0.79	1020	0.94	1.88	8.3	2.5	590
K289901		3.27	15.50	0.11	1.5	0.089	3.72	28.0	34.3	0.83	813	0.51	0.81	8.4	3.0	600
K289902		5.29	16.55	0.08	1.1	0.323	3.26	29.8	27.5	0.81	1960	13.65	0.15	6.5	15.1	560
K289903		2.58	15.15	0.09	2.2	0.046	2.58	28.9	40.4	0.97	1220	1.21	0.03	8.0	3.6	680
K289904		2.90	14.70	0.11	1.2	0.069	2.72	25.5	39.6	1.15	1080	1.12	0.04	7.0	3.6	590
K289905		2.84	16.65	0.11	1.1	0.056	3.13	25.0	44.9	1.04	683	0.46	0.04	7.9	2.4	660
K289906		2.94	15.10	0.11	1.0	0.058	2.82	23.4	49.3	1.10	822	1.46	0.30	7.2	2.4	600
K289907		2.80	15.95	0.13	1.1	0.061	3.17	27.3	13.8	1.08	1040	1.16	0.64	7.9	2.5	760
K289908		2.92	16.65	0.12	1.1	0.060	3.30	24.4	12.4	1.04	1060	1.49	0.79	8.1	2.7	720
K289909		3.12	17.50	0.12	1.2	0.045	3.51	27.1	40.0	0.87	698	1.20	0.29	8.5	2.7	700
K289910		2.97	17.30	0.10	1.1	0.046	2.94	25.0	34.5	0.79	639	1.13	0.93	8.4	2.8	640
K289911		3.50	17.10	0.11	1.1	0.234	3.93	29.7	20.6	0.75	2300	1.93	0.38	8.3	2.9	650
K289912		3.16	17.35	0.12	1.2	0.045	2.91	26.9	15.7	0.80	595	1.28	2.13	8.6	2.7	680
K289913		3.09	17.00	0.14	1.2	0.045	2.78	25.2	14.9	0.80	583	1.69	2.07	8.6	2.7	660
K289914		3.02	16.55	0.13	1.2	0.048	2.92	26.5	12.9	0.73	581	1.58	2.30	8.1	2.7	620
K289915		3.08	17.40	0.11	1.2	0.046	2.99	23.9	32.6	0.69	676	4.42	0.84	8.7	2.8	690
K289916		3.18	16.05	0.10	1.2	0.062	3.02	28.0	33.9	0.93	1120	2.19	0.65	7.8	2.8	630
K289917		3.18	17.10	0.12	1.3	0.057	3.20	25.7	31.3	0.72	1400	1.85	0.28	8.5	2.4	630
K289918		2.95	11.70	0.10	0.8	0.062	2.25	22.3	41.6	0.70	2750	3.77	0.02	5.4	2.3	410
K289919		0.54	0.41	0.18	<0.1	0.006	0.06	0.8	1.5	13.15	244	0.08	0.01	0.2	1.7	200
K289920		3.28	15.70	0.15	1.2	0.098	3.64	34.6	44.8	1.14	2950	0.82	0.03	7.7	2.1	600
K289921		2.90	16.35	0.16	1.4	0.093	3.44	26.9	47.6	0.75	1160	1.36	0.66	7.9	2.4	600
K289922		3.01	17.60	0.14	1.3	0.048	3.41	23.7	11.1	0.73	602	1.06	1.95	8.1	2.6	660
K289923		2.52	15.00	0.14	1.2	0.061	2.65	24.2	9.0	0.42	564	3.69	1.74	7.8	2.4	570
K289924		6.47	14.75	0.13	1.0	0.771	2.79	23.9	18.9	0.75	1820	8.34	0.13	6.2	12.4	540
K289925		3.09	14.80	0.15	1.1	0.077	2.60	20.4	21.6	0.62	714	6.87	0.64	7.9	2.4	610
K289926		2.75	14.10	0.15	1.1	0.075	2.36	21.0	34.9	0.50	843	3.72	0.04	7.8	2.1	590
K289927		4.80	14.55	0.18	1.1	1.340	3.01	44.1	15.8	0.92	3330	5.63	0.03	6.1	4.7	510
K289928		0.49	0.26	0.07	<0.1	0.006	0.03	0.6	1.2	13.05	224	0.10	<0.01	0.2	1.7	180
K289929		2.41	14.65	0.13	1.1	0.203	3.55	17.6	10.4	0.56	2400	4.34	0.43	7.3	1.9	600
K289930		3.32	16.30	0.16	1.1	0.056	2.91	25.3	41.5	0.85	1000	1.50	0.82	8.3	2.5	730

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 20-AUG-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15119557

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
M675995		823	106.0	0.002	0.30	49.6	6.8	1	1.6	584	0.76	<0.05	10.9	0.274	1.94	7.9
M675996		250	159.5	<0.002	1.24	25.2	8.0	1	2.4	428	0.75	0.05	13.6	0.270	2.72	8.3
M675997		979	196.5	0.002	3.67	79.1	9.2	1	3.2	105.0	0.53	0.11	12.1	0.218	2.85	5.2
M675998		72.0	118.0	0.002	0.74	7.49	9.8	1	2.1	260	0.61	<0.05	9.5	0.241	1.92	3.8
M675999		15.2	140.5	0.002	0.24	4.62	10.1	1	2.3	255	0.65	0.06	12.3	0.239	2.24	4.6
M676000		17.2	132.0	0.003	0.07	2.46	10.7	1	2.0	348	0.67	<0.05	15.0	0.250	1.64	5.2
K289901		12.5	159.0	0.003	0.41	6.96	10.3	1	2.1	270	0.68	0.05	16.6	0.248	2.25	5.0
K289902		536	174.5	0.006	2.83	29.7	9.8	1	5.8	118.0	0.50	0.34	11.8	0.215	2.64	5.7
K289903		33.4	142.5	<0.002	0.54	125.0	8.3	1	1.6	298	0.58	<0.05	11.5	0.245	1.98	6.1
K289904		21.6	141.0	0.002	0.31	43.6	9.6	1	1.8	283	0.50	<0.05	9.9	0.235	2.08	3.0
K289905		14.3	125.5	0.002	0.19	20.1	11.0	1	2.2	328	0.58	<0.05	11.4	0.274	2.05	3.4
K289906		11.6	122.5	0.002	0.11	9.26	10.0	1	1.8	291	0.55	<0.05	10.7	0.242	1.93	2.6
K289907		10.1	161.5	<0.002	0.23	12.50	11.1	1	2.1	265	0.60	<0.05	11.9	0.271	2.42	7.0
K289908		10.2	145.5	0.002	0.21	11.45	11.1	1	2.1	272	0.60	<0.05	11.1	0.279	2.57	6.3
K289909		14.9	144.5	0.002	0.03	13.05	12.1	1	1.9	292	0.64	<0.05	12.5	0.287	1.89	2.7
K289910		14.8	122.5	0.002	0.04	9.41	11.6	1	1.9	306	0.63	<0.05	12.2	0.260	1.62	3.6
K289911		335	188.5	0.002	1.30	11.05	11.7	1	2.3	217	0.65	0.05	13.1	0.269	2.60	5.9
K289912		14.7	117.5	0.003	0.02	3.19	12.0	1	1.7	416	0.66	<0.05	12.5	0.280	1.28	4.5
K289913		14.8	112.5	0.002	0.02	3.15	11.8	1	1.8	412	0.67	<0.05	12.3	0.276	1.23	4.5
K289914		15.9	118.0	0.002	0.03	2.30	11.2	1	1.7	428	0.67	<0.05	13.2	0.262	1.23	4.7
K289915		15.0	116.5	0.002	0.04	9.58	11.8	1	2.1	249	0.68	<0.05	12.3	0.282	1.33	3.2
K289916		28.4	125.0	0.002	0.41	13.60	11.1	1	1.9	278	0.60	0.06	12.8	0.259	1.51	3.8
K289917		16.3	133.0	0.003	0.25	16.45	11.7	1	2.0	173.0	0.70	<0.05	14.0	0.271	1.59	3.4
K289918		332	143.5	0.004	1.77	46.8	7.6	1	3.8	190.5	0.41	0.11	9.5	0.174	1.90	9.4
K289919		2.1	3.4	<0.002	0.01	0.18	0.3	<1	<0.2	56.3	<0.05	<0.05	1.0	0.005	0.03	0.6
K289920		47.1	191.5	0.002	1.05	11.50	9.5	1	2.1	172.0	0.62	0.14	14.0	0.246	2.68	5.4
K289921		153.0	156.0	0.002	0.29	9.99	10.2	1	2.3	241	0.64	<0.05	13.6	0.241	1.99	5.5
K289922		13.9	145.0	0.003	0.11	3.36	11.4	1	1.9	302	0.60	<0.05	10.6	0.277	1.80	4.4
K289923		7.2	107.5	<0.002	0.04	2.49	10.0	1	1.6	218	0.69	<0.05	12.5	0.238	1.39	3.6
K289924		1295	157.0	<0.002	4.54	65.5	9.4	2	7.5	96.7	0.52	1.22	11.3	0.201	2.38	5.2
K289925		5.7	118.0	<0.002	0.16	6.79	10.7	1	1.8	153.0	0.66	<0.05	13.1	0.247	1.60	2.3
K289926		58.6	100.5	<0.002	0.13	13.35	10.6	1	1.6	116.5	0.66	<0.05	12.6	0.239	1.47	1.8
K289927		>10000	158.0	<0.002	3.20	11.35	11.8	1	3.4	163.0	0.56	<0.05	13.1	0.205	2.08	3.2
K289928		16.9	1.6	<0.002	<0.01	0.24	0.2	1	<0.2	50.5	<0.05	<0.05	<0.2	<0.005	0.02	0.8
K289929		57.8	175.0	<0.002	0.24	3.25	9.6	1	2.0	171.5	0.59	<0.05	12.7	0.234	2.44	2.8
K289930		19.0	121.0	<0.002	0.09	8.06	12.9	1	2.5	192.5	0.61	<0.05	13.3	0.294	1.45	4.3

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Finalized Date: 20-AUG-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15119557

Sample Description	Method / Analyte / Units / LOR	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Pb-OG62 Pb % 0.001
M675995		58	2.0	12.9	586	89.0	
M675996		63	3.9	15.6	715	83.1	
M675997		62	2.7	12.5	4830	28.5	
M675998		66	1.6	12.9	237	30.3	
M675999		67	1.1	13.4	51	34.6	
M676000		69	0.5	17.2	44	37.5	
K289901		68	2.4	14.8	72	48.1	
K289902		70	5.6	12.6	949	32.7	
K289903		65	3.1	14.6	101	84.5	
K289904		69	2.2	14.1	94	41.8	
K289905		78	2.3	14.9	61	32.7	
K289906		69	2.5	14.5	57	27.2	
K289907		79	2.6	16.0	51	30.3	
K289908		80	2.6	15.7	54	30.9	
K289909		79	1.7	16.7	50	34.3	
K289910		75	1.3	16.1	46	32.0	
K289911		75	2.6	15.3	850	32.6	
K289912		78	1.5	18.1	47	35.1	
K289913		78	1.1	17.6	46	34.2	
K289914		74	0.8	17.1	46	34.4	
K289915		77	4.2	17.3	50	35.0	
K289916		76	2.3	18.0	63	34.7	
K289917		80	3.0	17.8	60	38.6	
K289918		50	3.3	11.7	264	24.6	
K289919		3	0.1	0.9	22	0.7	
K289920		68	2.5	13.5	91	35.4	
K289921		69	2.4	14.5	122	42.4	
K289922		83	1.4	14.1	54	37.1	
K289923		65	1.8	12.8	44	35.6	
K289924		61	5.7	11.3	2400	31.8	
K289925		70	2.4	13.1	53	32.1	
K289926		74	2.3	12.6	131	31.2	
K289927		82	4.1	12.3	6010	31.6	1.350
K289928		2	0.1	0.7	25	<0.5	
K289929		62	2.5	12.9	221	32.8	
K289930		83	8.0	17.7	58	30.7	

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Project: Klaza

Finalized Date: 20-AUG-2015
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH15119557

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	ME-MS61	ME-OG62	Pb-OG62

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 20-AUG-2015
Account: ROCKHA

CERTIFICATE WH15119561

Project: Klaza

P.O. No.: BATCH 107

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 9-AUG-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21d	Sample logging - ClientBarCode Dup
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
BAG-06	Double Bagging Coarse Rejects
SPL-21d	Split sample - duplicate
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31d	Pulverize Split - duplicate

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
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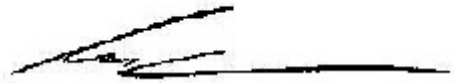
This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.

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CERTIFICATE OF ANALYSIS WH15119561

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
K289611		1.60	0.014	0.34	6.52	46.7	770	1.26	3.00	2.78	0.40	61.1	9.9	13	11.45	25.3
K289612		6.42	<0.005	0.09	7.22	6.5	2370	1.59	0.10	2.70	0.09	42.9	9.2	10	18.00	11.9
K289613		7.88	<0.005	0.06	6.98	7.0	2070	1.01	0.06	2.42	0.07	42.6	8.1	9	23.5	9.4
K289614		<0.02	<0.005	0.05	7.93	6.4	2140	1.06	0.11	2.59	0.08	55.6	8.1	9	25.8	9.4
K289615		6.03	<0.005	0.11	7.60	33.5	3550	1.56	0.08	2.57	0.07	55.3	10.4	12	27.8	9.4
K289616		8.54	<0.005	0.06	7.83	4.2	2010	1.49	0.05	2.42	0.07	52.1	8.9	10	23.1	10.2
K289617		0.35	0.379	4.78	6.92	717	500	1.41	3.31	2.23	11.15	52.0	13.4	25	14.30	339
K289618		4.66	<0.005	0.15	7.79	19.1	1230	1.56	0.35	4.38	0.17	63.1	10.2	10	16.10	10.0
K289619		4.54	<0.005	0.87	6.04	24.5	4900	1.17	1.19	3.72	1.99	44.8	7.4	8	19.70	32.7
K289620		1.91	<0.005	0.11	8.18	4.2	1910	1.22	0.06	1.35	0.09	56.4	6.6	10	12.80	9.7
K289621		1.10	0.009	0.24	7.05	36.7	1040	1.46	0.10	3.59	0.26	47.7	7.7	8	15.35	8.3
K289622		5.78	<0.005	0.06	7.23	14.1	2660	1.64	0.07	2.19	0.07	43.2	8.0	10	13.70	9.4
K289623		3.60	<0.005	0.05	7.30	48.4	3730	1.72	0.08	2.09	0.06	49.3	9.1	11	19.25	8.0
K289624		2.58	<0.005	0.04	7.34	41.9	3760	1.76	0.08	2.34	0.06	48.3	9.4	10	18.30	13.2
K289625		5.74	<0.005	0.06	7.40	25.4	1580	1.48	0.09	2.53	0.08	48.2	7.9	10	20.6	7.9
K289626		5.37	<0.005	0.06	7.94	10.7	2090	1.31	0.06	1.66	0.13	55.8	8.3	9	19.15	12.2
K289627		0.37	0.918	11.65	6.33	1460	290	1.25	12.70	1.84	29.8	45.0	17.8	19	13.20	279
K289628		2.95	<0.005	0.24	7.06	83.9	850	1.60	0.12	2.78	0.58	47.6	9.3	13	21.8	9.2
K289629		2.74	<0.005	0.09	7.33	111.5	890	1.43	0.06	1.91	0.20	45.7	10.6	9	18.80	9.4
K289630		0.77	0.036	0.23	6.85	41.2	1420	1.58	0.28	2.75	0.18	47.4	11.1	8	17.50	4.0
K289631		3.18	<0.005	0.10	7.16	15.6	1580	1.47	0.32	3.21	0.06	51.1	8.4	8	13.15	9.5
K289632		2.79	0.007	0.25	6.67	41.4	1020	1.52	0.45	3.74	0.14	45.4	10.4	8	15.75	6.8
K289633		1.18	0.095	2.67	4.93	412	540	1.05	0.15	5.27	5.84	34.7	8.7	6	10.00	16.5
K289634		5.28	<0.005	0.01	0.07	0.3	20	0.06	0.05	21.5	0.06	1.14	0.9	<1	0.16	2.0
K289635		2.15	<0.005	0.17	7.51	25.0	1130	1.38	0.11	3.01	0.22	53.5	7.7	8	21.5	6.2
K289636		4.19	<0.005	0.09	7.06	11.5	1640	1.54	0.22	3.43	0.15	50.8	9.3	9	15.45	7.2
K289637		1.65	0.042	1.25	7.39	328	1050	1.33	0.17	4.51	3.86	51.4	8.8	6	14.65	14.9
K289638		4.29	<0.005	0.26	7.47	19.7	1630	1.56	0.27	2.89	0.19	51.3	7.9	10	12.00	13.5
K289639		5.97	0.007	0.23	7.30	22.0	1660	1.79	0.16	2.72	0.21	41.3	7.6	10	11.40	11.7
K289640		2.10	0.044	0.75	7.14	224	640	1.39	0.16	2.61	0.46	47.7	7.6	10	14.45	20.1
K289641		5.26	<0.005	0.01	0.06	<0.2	20	<0.05	0.02	20.7	0.05	0.99	0.8	1	0.12	2.6
K289642		2.66	<0.005	0.07	7.44	18.3	1910	1.50	0.08	2.77	0.16	44.6	7.1	9	8.38	6.7
K289643		4.24	0.021	0.64	7.08	197.0	1060	1.53	0.28	2.41	3.36	42.5	7.2	9	14.20	16.6
K289644		6.03	<0.005	0.08	6.65	7.2	1490	1.66	0.09	2.70	0.08	37.7	6.5	10	11.15	6.3
K289645		4.62	<0.005	0.08	7.04	8.0	1900	1.59	0.07	2.90	0.08	43.6	7.6	11	9.92	9.3
K289646		4.34	0.008	0.44	7.24	60.1	1610	1.73	0.08	2.72	3.95	42.9	8.1	11	11.75	13.2

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Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
K289611		5.11	13.80	0.15	1.0	0.151	2.84	33.4	55.8	1.15	2660	1.76	0.12	6.8	2.9	590
K289612		3.54	16.30	0.14	1.2	0.053	2.61	20.7	22.2	0.78	742	0.96	1.38	7.9	2.8	660
K289613		2.95	15.90	0.15	1.1	0.036	2.37	21.0	35.0	0.63	772	3.34	0.25	7.8	2.4	640
K289614		3.20	16.60	0.17	1.2	0.038	2.59	29.4	38.3	0.72	842	3.14	0.28	7.9	2.7	680
K289615		3.09	16.00	0.20	1.1	0.033	2.44	30.0	100.5	0.90	949	2.45	0.38	7.6	3.0	670
K289616		3.44	17.25	0.18	1.3	0.041	2.61	26.3	70.0	0.83	728	1.19	0.86	8.5	2.8	730
K289617		5.45	16.15	0.16	1.2	0.342	3.22	28.3	27.7	0.82	2120	16.15	0.17	6.6	16.4	560
K289618		3.50	17.35	0.19	1.2	0.040	1.97	34.3	119.0	1.46	1150	0.65	0.05	7.8	2.9	670
K289619		2.65	12.50	0.17	0.8	0.052	1.64	25.5	133.5	1.08	1080	2.65	0.08	5.6	2.4	470
K289620		2.82	17.45	0.20	1.2	0.044	2.76	29.1	28.2	0.45	641	0.51	0.27	7.9	2.1	710
K289621		3.18	15.55	0.16	1.1	0.063	2.83	24.5	50.1	1.05	1860	1.38	0.22	7.2	2.8	640
K289622		3.29	15.60	0.17	1.2	0.041	2.49	21.6	17.1	0.84	775	0.99	1.80	7.6	2.7	630
K289623		3.04	15.40	0.17	1.3	0.037	2.51	25.5	29.3	0.67	848	1.57	1.76	8.0	2.9	620
K289624		3.02	15.80	0.18	1.3	0.039	2.52	24.0	29.7	0.70	864	3.29	1.90	8.2	2.8	650
K289625		3.03	16.50	0.17	1.3	0.036	2.62	23.9	91.4	0.63	788	2.01	0.91	8.0	2.5	640
K289626		3.22	16.85	0.18	1.2	0.048	1.91	28.3	78.7	0.61	929	6.67	0.06	8.2	2.5	740
K289627		6.60	14.70	0.15	1.1	0.787	2.87	23.4	19.1	0.76	1860	8.68	0.13	6.1	12.3	540
K289628		3.00	15.75	0.15	1.2	0.047	2.86	24.5	92.0	0.99	1660	5.24	0.05	7.3	3.2	600
K289629		2.93	16.60	0.16	1.2	0.042	2.62	22.1	110.0	0.66	1010	0.99	0.07	8.0	2.8	680
K289630		4.67	14.55	0.17	1.1	0.177	3.07	26.1	14.6	1.06	1900	1.49	0.27	6.4	2.8	570
K289631		2.93	15.75	0.16	1.2	0.041	1.90	26.0	64.9	0.99	962	0.95	0.21	7.8	4.3	690
K289632		3.03	15.30	0.17	1.1	0.051	2.10	23.3	37.6	1.27	1520	0.67	0.28	6.9	2.7	600
K289633		4.40	10.55	0.14	0.8	0.221	2.20	19.6	24.0	1.76	7320	0.97	0.03	4.4	2.4	380
K289634		0.48	0.24	0.08	<0.1	<0.005	0.03	0.6	1.4	13.15	214	0.15	<0.01	0.1	1.7	190
K289635		3.11	16.30	0.15	1.2	0.063	2.59	27.7	176.5	1.00	1510	1.28	0.08	7.8	2.6	670
K289636		3.14	15.15	0.18	1.4	0.064	2.92	26.5	51.0	1.09	1280	0.72	0.32	7.3	2.5	620
K289637		3.52	15.20	0.19	1.2	0.180	3.63	28.9	13.6	0.94	4890	0.65	0.07	6.4	2.4	550
K289638		3.27	16.05	0.18	1.4	0.088	3.21	26.3	26.1	0.87	1760	1.09	1.33	7.5	2.8	590
K289639		3.14	16.40	0.15	1.3	0.116	3.04	20.5	17.2	0.84	1800	1.09	1.44	7.2	2.7	630
K289640		4.45	14.65	0.16	1.5	0.188	3.42	26.1	21.2	0.96	4660	0.63	0.05	7.0	2.7	560
K289641		0.45	0.23	0.09	<0.1	<0.005	0.02	0.5	1.4	12.90	206	0.08	0.01	0.1	1.6	200
K289642		3.19	15.45	0.14	1.2	0.051	2.76	23.3	22.4	0.91	1020	0.97	1.76	6.6	2.5	620
K289643		3.51	15.35	0.15	1.2	0.165	3.63	22.3	18.2	0.84	3850	2.21	0.35	6.6	2.4	580
K289644		2.80	14.75	0.16	1.4	0.040	2.86	18.3	11.3	0.74	1140	0.97	1.67	7.2	2.4	540
K289645		3.08	15.75	0.16	1.3	0.056	2.70	21.1	13.9	0.85	1140	1.09	1.96	6.9	2.6	630
K289646		3.47	15.65	0.15	1.2	0.110	3.24	21.7	15.7	0.87	2850	1.49	1.21	7.1	3.0	630

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	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
K289611		27.2	164.5	<0.002	0.78	14.20	13.1	1	2.0	115.5	0.56	<0.05	12.2	0.253	2.19	5.4
K289612		15.8	94.7	<0.002	0.09	6.31	12.1	1	1.8	389	0.64	<0.05	12.9	0.286	1.13	3.6
K289613		13.8	78.3	<0.002	0.04	12.10	12.0	1	1.7	180.5	0.63	<0.05	11.1	0.281	1.12	2.0
K289614		14.0	97.2	<0.002	0.04	12.75	13.1	1	1.7	192.5	0.65	<0.05	13.8	0.295	1.19	2.4
K289615		13.4	101.0	<0.002	0.41	18.95	12.4	1	1.4	255	0.60	<0.05	13.8	0.282	2.80	4.6
K289616		13.9	101.0	<0.002	0.02	6.37	13.6	1	1.6	283	0.68	<0.05	14.1	0.314	1.06	2.7
K289617		544	161.0	0.004	2.91	32.2	10.2	1	6.0	119.5	0.56	0.34	12.6	0.225	2.46	5.4
K289618		13.2	77.9	<0.002	0.16	15.10	13.1	1	1.6	222	0.63	<0.05	16.4	0.274	1.45	5.3
K289619		170.5	76.8	<0.002	0.29	46.5	9.4	1	1.9	257	0.45	<0.05	10.4	0.213	1.72	6.4
K289620		14.5	101.0	<0.002	0.01	12.50	13.8	1	1.7	160.5	0.66	<0.05	15.3	0.299	1.04	3.3
K289621		16.4	122.5	<0.002	0.29	13.60	11.9	1	1.6	175.5	0.59	<0.05	12.6	0.268	1.99	4.6
K289622		12.5	100.0	<0.002	0.11	7.89	11.8	1	1.6	333	0.63	<0.05	12.5	0.276	1.57	3.9
K289623		12.4	108.5	<0.002	0.42	20.3	11.8	1	1.8	303	0.71	<0.05	13.3	0.269	3.24	5.0
K289624		12.5	101.5	<0.002	0.30	16.25	12.5	1	2.4	392	0.74	<0.05	13.7	0.283	2.93	5.9
K289625		19.1	101.5	<0.002	0.15	16.80	12.2	1	1.6	262	0.74	<0.05	13.7	0.273	1.88	3.8
K289626		11.0	70.8	<0.002	0.12	31.5	14.3	1	1.8	144.5	0.66	<0.05	13.8	0.314	1.47	2.4
K289627		1335	159.0	0.002	4.61	63.6	9.3	2	7.6	96.4	0.51	1.13	11.2	0.208	2.34	4.8
K289628		49.6	122.5	<0.002	0.43	24.0	11.6	<1	1.4	179.0	0.62	<0.05	13.0	0.259	3.60	12.2
K289629		19.2	90.3	<0.002	0.38	23.5	12.5	1	1.6	210	0.69	<0.05	13.0	0.281	2.72	5.2
K289630		13.2	172.0	<0.002	1.58	6.36	10.8	1	2.1	139.5	0.53	<0.05	13.3	0.239	1.95	4.0
K289631		14.1	58.6	<0.002	0.05	9.89	13.3	1	1.8	238	0.65	<0.05	13.1	0.288	1.08	3.3
K289632		14.0	89.0	<0.002	0.17	9.35	10.8	1	1.6	206	0.56	<0.05	11.5	0.259	1.83	4.1
K289633		1715	147.0	<0.002	1.02	33.7	7.9	1	2.3	143.0	0.36	<0.05	9.0	0.167	1.86	4.3
K289634		3.4	1.3	<0.002	<0.01	0.07	0.2	1	<0.2	50.4	<0.05	<0.05	<0.2	<0.005	0.02	0.6
K289635		26.8	98.3	<0.002	0.11	13.45	12.7	1	1.7	256	0.62	<0.05	14.0	0.295	1.71	3.9
K289636		20.5	143.5	<0.002	0.20	7.54	11.1	1	2.2	196.0	0.63	<0.05	15.5	0.262	1.87	4.5
K289637		144.0	243	<0.002	1.35	15.55	10.4	1	2.1	171.0	0.51	<0.05	16.3	0.239	2.74	4.7
K289638		25.6	137.0	<0.002	0.21	4.95	11.3	1	2.3	301	0.66	<0.05	18.5	0.257	1.62	5.7
K289639		34.8	129.5	<0.002	0.17	4.71	12.4	1	1.7	297	0.62	<0.05	11.9	0.273	1.70	4.3
K289640		56.0	219	<0.002	1.28	16.15	11.9	1	1.8	111.5	0.75	<0.05	14.6	0.244	2.92	5.7
K289641		1.8	1.1	<0.002	<0.01	0.05	0.2	1	<0.2	45.2	<0.05	<0.05	<0.2	<0.005	0.02	0.6
K289642		26.8	105.5	<0.002	0.04	2.72	11.5	1	1.5	347	0.53	<0.05	13.5	0.261	1.24	3.7
K289643		114.5	201	<0.002	0.62	11.50	11.5	1	2.2	142.0	0.55	<0.05	13.8	0.250	2.77	3.8
K289644		20.9	111.0	<0.002	0.06	4.40	10.3	1	1.4	287	0.74	<0.05	13.7	0.235	1.36	4.8
K289645		20.8	98.2	<0.002	0.03	3.43	11.8	1	1.4	363	0.60	<0.05	11.8	0.267	1.23	3.7
K289646		125.5	155.0	<0.002	0.33	10.30	12.6	1	1.6	264	0.60	<0.05	11.9	0.271	2.02	3.9

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
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Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 20-AUG-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15119561

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	V	W	Y	Zn	Zr
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	1	0.1	0.1	2	0.5
K289611		85	7.5	17.2	132	25.7
K289612		84	2.6	16.1	67	33.7
K289613		85	3.7	16.0	58	32.5
K289614		88	3.9	18.0	62	33.1
K289615		81	3.5	17.7	60	31.7
K289616		94	3.7	17.9	64	35.4
K289617		71	5.9	12.8	979	36.5
K289618		84	3.6	20.1	77	36.8
K289619		65	2.9	15.8	187	24.9
K289620		90	3.2	15.7	59	35.7
K289621		81	1.5	16.5	73	32.1
K289622		83	1.0	14.2	58	34.8
K289623		80	1.4	15.6	57	36.7
K289624		85	1.5	15.8	57	37.2
K289625		83	2.4	15.7	61	36.5
K289626		92	6.9	16.8	76	36.1
K289627		61	5.8	11.2	2440	31.3
K289628		77	2.1	14.4	102	33.7
K289629		84	2.3	14.5	70	35.0
K289630		72	5.7	14.0	69	31.5
K289631		90	3.2	16.6	62	35.2
K289632		77	3.9	14.5	72	31.4
K289633		58	3.2	13.1	700	23.0
K289634		2	0.1	0.7	15	<0.5
K289635		89	3.2	16.8	76	36.0
K289636		77	2.1	15.2	74	40.2
K289637		71	3.7	20.3	428	36.8
K289638		77	2.8	16.1	80	40.6
K289639		82	1.9	15.1	93	38.1
K289640		73	4.7	14.6	136	39.3
K289641		2	0.1	0.7	15	<0.5
K289642		78	1.6	15.6	84	36.5
K289643		75	4.1	14.3	339	36.6
K289644		69	1.8	13.8	57	37.7
K289645		80	2.7	15.1	62	38.3
K289646		82	3.5	15.8	393	33.9

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: Klaza

Finalized Date: 20-AUG-2015
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH15119561

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	ME-MS61

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 20-AUG-2015
Account: ROCKHA

CERTIFICATE WH15119596

Project: Klaza

P.O. No.: BATCH 108

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 9-AUG-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21d	Sample logging - ClientBarCode Dup
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
BAG-06	Double Bagging Coarse Rejects
SPL-21d	Split sample - duplicate
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31d	Pulverize Split - duplicate

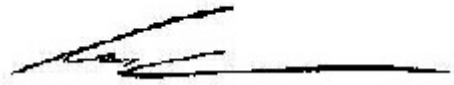
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	
Ag-OG62	Ore Grade Ag - Four Acid	VARIABLE
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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VANCOUVER BC V6B 1L8

Finalized Date: 20-AUG-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15119596

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
K289931		0.93	0.991	>100	5.07	979	630	1.18	44.4	2.15	48.6	31.2	8.9	6	13.50	908
K289932		1.45	0.095	11.65	6.95	363	2420	1.61	3.92	2.67	35.1	42.4	6.5	9	18.65	140.0
K289933		1.14	<0.005	0.26	7.49	11.7	2370	1.52	0.30	2.58	0.18	45.0	6.7	14	14.85	12.3
K289934		0.80	0.352	2.22	6.26	483	1600	1.46	0.29	3.58	1.74	41.8	6.5	7	19.15	14.5
K289935		1.49	0.021	1.00	6.92	167.5	800	1.41	0.20	3.35	0.13	45.0	8.3	8	25.9	7.8
K289936		1.36	0.010	0.77	6.74	98.9	1270	1.49	0.18	3.48	2.24	44.4	6.3	9	24.8	8.9
K289937		1.34	<0.005	0.09	7.23	12.0	2110	1.44	0.23	2.65	0.09	45.2	7.4	10	12.05	6.3
K289938		1.13	<0.005	0.07	7.91	7.2	2010	1.21	0.27	1.38	0.06	52.5	5.0	9	11.80	6.9
K289939		1.91	<0.005	0.11	7.16	23.0	1420	1.49	0.32	2.04	0.12	45.6	6.0	9	18.60	10.8
K289940		0.34	0.372	4.59	6.83	736	990	1.37	3.34	2.04	9.96	50.0	12.2	24	14.20	317
K289941		2.02	0.049	2.28	6.35	203	920	1.56	0.43	3.16	1.33	45.6	5.8	7	20.6	24.7
K289942		0.78	3.83	>100	4.18	1990	500	1.24	13.40	1.43	40.7	28.7	5.8	7	19.15	936
K289943		5.68	0.005	0.34	0.08	1.3	20	<0.05	0.05	20.3	0.11	1.16	0.9	1	0.20	4.4
K289944		0.78	0.048	0.74	7.03	325	1560	1.58	0.14	2.53	0.76	46.1	6.1	8	23.1	14.9
K289945		1.29	<0.005	0.13	7.48	7.3	1960	1.56	0.17	2.41	0.11	46.5	4.6	12	10.00	8.1
K289946		3.46	<0.005	0.11	8.05	8.7	2120	1.28	0.25	0.92	0.12	55.5	4.7	10	13.90	8.1
K289947		2.37	<0.005	0.20	6.77	17.7	4520	1.36	0.19	2.96	0.17	47.5	3.9	9	23.6	6.7
K289948		<0.02	0.006	0.19	6.63	17.2	4580	1.30	0.20	2.71	0.16	45.7	3.8	10	23.3	6.5
K289949		7.87	<0.005	0.17	7.33	12.9	2510	1.53	0.33	1.93	0.08	45.9	5.7	12	9.75	8.8
K289950		2.59	<0.005	0.19	7.08	11.8	2950	1.41	0.32	1.82	0.06	40.4	4.8	10	11.90	18.3
K289951		9.08	0.008	0.31	6.81	23.4	2010	1.60	0.39	2.51	0.16	61.9	4.8	8	19.75	7.6
K289952		4.29	0.070	2.42	7.59	160.5	870	1.70	0.69	1.87	1.54	63.3	9.4	11	19.10	57.2
K289953		2.10	0.076	4.06	7.60	147.5	990	1.57	0.63	1.75	2.03	54.9	5.0	9	19.35	55.4
K289954		1.69	2.18	18.00	5.94	2810	1370	1.33	3.66	1.39	53.3	37.1	14.3	9	8.75	43.9
K289955		0.36	0.932	12.35	6.56	1575	1230	1.35	14.55	1.81	30.5	45.7	18.8	18	14.20	288
K289956		3.51	0.034	1.67	7.52	146.0	2430	1.61	1.32	1.34	2.31	51.0	7.7	9	17.30	10.8
K289957		1.86	0.653	46.1	5.92	1540	1940	1.28	2.75	1.46	40.1	38.9	11.6	12	7.61	61.3
K289958		7.16	0.013	0.92	7.45	90.0	1930	1.66	0.34	2.22	2.61	54.4	5.8	13	17.75	49.5
K289959		5.03	<0.005	0.18	6.70	15.9	2600	1.23	0.21	3.06	0.45	44.3	5.4	10	21.3	23.6
K289960		2.25	0.593	10.70	6.68	3270	490	1.56	0.31	2.19	28.4	39.7	7.2	8	25.2	36.0
K289961		5.10	<0.005	0.02	0.08	1.9	30	0.07	0.04	21.0	0.10	1.19	0.6	1	0.23	1.8
K289962		1.22	<0.005	0.04	7.10	32.7	970	2.01	0.13	2.72	0.26	58.1	5.1	14	34.6	6.3
K289963		1.45	<0.005	0.28	6.64	22.5	1570	1.72	0.26	3.67	0.39	54.3	5.2	27	37.1	10.7
K289964		1.73	0.122	2.75	6.72	459	2600	1.62	0.88	2.95	18.25	50.7	5.0	10	18.45	43.8
K289965		3.86	0.018	0.93	6.82	58.1	1770	1.55	0.34	2.10	1.63	42.4	3.5	10	18.95	4.5
K289966		3.34	0.084	1.04	7.18	71.1	1920	1.88	0.33	2.66	8.99	59.5	8.2	8	21.5	11.3

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 20-AUG-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15119596

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
K289931		4.47	11.45	0.13	0.7	2.69	2.40	14.9	23.7	0.74	2640	3.78	0.02	5.3	2.3	440
K289932		3.24	15.45	0.15	0.8	8.45	2.97	21.5	20.9	0.66	1940	1.64	1.00	7.2	2.5	590
K289933		2.83	16.10	0.16	0.9	0.062	2.76	22.5	12.9	0.71	529	0.67	2.27	7.9	2.5	610
K289934		3.09	12.85	0.17	0.7	0.061	2.81	23.2	30.3	1.06	2240	0.73	0.09	6.0	2.5	480
K289935		2.83	14.85	0.17	0.8	0.052	3.06	23.6	25.7	1.03	1520	0.83	0.05	7.3	2.6	560
K289936		2.68	15.05	0.17	0.9	0.059	3.03	22.8	34.8	1.02	2050	0.76	0.19	7.5	2.2	550
K289937		2.90	16.05	0.17	0.9	0.050	2.77	22.6	11.3	0.71	613	0.79	2.14	7.9	2.5	620
K289938		2.89	16.55	0.20	1.4	0.069	3.21	26.9	26.6	0.57	604	0.93	0.90	9.2	2.2	630
K289939		2.59	15.70	0.19	1.4	0.056	3.33	22.4	56.8	0.66	1080	1.17	0.19	8.9	2.0	590
K289940		5.02	15.05	0.19	1.0	0.301	3.02	28.4	25.9	0.77	1870	14.90	0.14	6.1	14.8	540
K289941		2.49	13.55	0.18	1.1	0.061	2.77	24.0	34.8	1.01	2560	3.85	0.02	6.9	2.1	520
K289942		3.73	8.83	0.16	0.7	0.228	1.73	15.4	45.4	0.49	1980	8.61	0.02	4.1	3.3	280
K289943		0.50	0.25	0.14	<0.1	0.007	0.03	0.6	1.3	12.40	225	0.12	0.01	0.2	1.8	180
K289944		2.73	16.00	0.17	1.4	0.060	4.09	22.9	14.3	0.55	1470	1.15	0.31	8.7	2.4	610
K289945		2.92	15.55	0.20	1.1	0.062	2.95	24.3	9.1	0.80	663	2.58	2.30	8.1	2.2	580
K289946		2.95	17.20	0.19	1.3	0.073	3.10	29.4	46.2	0.42	753	1.08	0.28	9.5	2.1	620
K289947		2.44	14.65	0.21	1.1	0.056	2.84	25.2	133.0	0.78	933	0.85	0.13	7.7	2.0	540
K289948		2.39	14.45	0.19	1.2	0.062	2.88	23.8	136.0	0.75	913	1.02	0.12	7.6	2.0	550
K289949		3.38	15.75	0.19	1.1	0.094	3.26	24.0	17.6	0.61	775	0.81	1.36	8.1	2.5	600
K289950		3.46	14.75	0.20	0.9	0.116	3.48	20.6	17.1	0.65	1190	0.38	1.02	7.8	1.9	580
K289951		3.09	14.95	0.21	0.8	0.090	2.71	35.9	49.8	0.97	1540	0.58	0.02	6.3	2.3	530
K289952		3.06	16.70	0.19	1.1	0.122	3.54	35.3	33.4	0.75	2080	1.94	0.03	7.8	2.5	570
K289953		2.76	16.85	0.20	1.0	0.132	3.52	30.6	35.8	0.71	2070	2.19	0.03	7.8	2.3	570
K289954		2.47	12.35	0.19	0.9	0.115	2.84	19.4	32.5	0.48	6160	2.31	0.02	5.6	2.0	420
K289955		6.45	14.85	0.18	1.0	0.774	2.88	24.6	18.9	0.75	1760	8.40	0.12	6.3	12.9	530
K289956		2.14	15.50	0.19	1.2	0.088	3.35	28.0	97.8	0.54	1880	3.73	0.01	7.7	2.0	560
K289957		2.58	11.90	0.18	0.9	0.174	2.84	21.0	32.0	0.54	3900	6.92	0.01	5.2	1.7	400
K289958		2.86	16.90	0.21	1.2	0.072	3.19	28.0	30.3	0.69	1040	2.94	1.37	8.8	2.5	630
K289959		2.74	14.65	0.20	1.0	0.057	3.03	22.8	38.2	0.71	852	8.53	0.86	7.2	2.2	560
K289960		3.89	15.15	0.16	1.2	0.058	3.33	19.1	30.4	0.56	3860	2.54	0.07	7.1	2.6	530
K289961		0.48	0.25	0.11	<0.1	0.007	0.03	0.6	1.0	12.55	219	0.10	0.02	0.2	1.7	160
K289962		2.34	19.20	0.24	3.7	0.030	2.98	28.7	370	0.77	475	0.93	0.78	10.7	4.9	1060
K289963		2.30	17.60	0.24	3.7	0.031	3.61	28.8	80.9	0.94	614	0.77	0.43	8.3	19.2	610
K289964		3.15	15.95	0.20	1.3	0.144	3.29	26.1	35.5	0.75	1540	1.97	0.73	7.7	5.8	540
K289965		3.22	14.95	0.17	1.2	0.103	3.42	21.5	23.9	0.65	1720	1.20	0.72	7.2	2.5	540
K289966		3.37	17.00	0.21	1.0	0.096	3.18	30.6	16.9	0.91	2100	6.51	0.93	7.4	2.6	520

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

2103 Dollarton Hwy
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www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 20-AUG-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15119596

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
K289931		8410	133.0	<0.002	3.78	448	7.7	1	2.6	144.5	0.37	0.14	8.5	0.177	1.98	3.8
K289932		2520	146.0	<0.002	1.11	35.1	10.1	1	2.6	225	0.50	<0.05	11.5	0.245	2.07	5.4
K289933		30.3	114.5	<0.002	0.02	2.35	10.2	1	2.1	382	0.58	<0.05	11.5	0.265	1.11	3.0
K289934		221	148.5	<0.002	0.92	25.4	8.5	1	2.3	115.0	0.44	<0.05	10.7	0.206	2.00	5.1
K289935		22.2	151.5	<0.002	1.12	15.70	9.7	<1	2.2	102.5	0.54	<0.05	11.7	0.238	2.63	3.9
K289936		145.5	138.5	<0.002	0.29	10.70	9.8	1	2.1	124.0	0.55	<0.05	11.4	0.242	2.27	6.2
K289937		13.7	119.5	<0.002	0.03	3.01	10.5	1	2.1	353	0.57	<0.05	11.5	0.264	1.20	4.0
K289938		13.0	143.5	<0.002	0.02	7.33	10.6	1	2.1	146.0	0.69	<0.05	14.5	0.267	1.60	2.6
K289939		13.4	136.5	<0.002	0.19	12.00	10.3	1	1.9	133.0	0.72	<0.05	13.1	0.256	2.14	5.2
K289940		490	167.5	0.005	2.73	29.5	9.1	1	5.3	111.5	0.48	0.33	12.0	0.206	2.32	5.0
K289941		340	141.5	<0.002	1.13	26.6	8.7	1	1.9	138.5	0.55	<0.05	12.0	0.216	2.91	10.0
K289942		3390	111.5	<0.002	3.78	729	5.2	1	2.1	92.9	0.33	0.09	6.9	0.128	1.70	13.7
K289943		6.5	1.5	<0.002	0.01	0.95	0.2	1	<0.2	52.0	<0.05	<0.05	<0.2	<0.005	0.02	0.5
K289944		40.9	181.5	<0.002	0.73	22.2	10.2	1	2.0	155.5	0.73	<0.05	13.8	0.254	2.86	5.8
K289945		18.0	125.5	<0.002	0.01	3.51	9.9	1	1.8	351	0.63	<0.05	13.7	0.258	1.26	3.5
K289946		13.1	139.0	<0.002	0.04	18.90	11.0	1	2.1	129.0	0.72	<0.05	16.0	0.267	1.47	2.6
K289947		13.0	118.5	<0.002	0.40	18.70	9.3	1	1.8	262	0.63	<0.05	12.9	0.233	2.18	3.9
K289948		13.0	114.0	<0.002	0.42	19.55	9.3	1	1.7	258	0.62	<0.05	12.7	0.230	2.24	3.8
K289949		12.2	135.0	<0.002	0.23	6.28	10.0	1	2.1	235	0.64	<0.05	13.3	0.249	1.52	3.5
K289950		9.4	148.5	<0.002	0.26	7.32	9.7	1	2.2	166.5	0.59	0.05	12.9	0.233	2.11	5.0
K289951		12.8	148.0	<0.002	0.55	14.15	9.8	1	1.4	128.0	0.48	0.09	13.4	0.202	2.28	3.7
K289952		217	187.5	<0.002	0.83	26.5	10.5	1	2.2	123.5	0.60	0.16	15.0	0.248	2.83	6.0
K289953		567	190.5	<0.002	0.66	30.3	10.3	1	2.5	125.5	0.59	0.05	14.8	0.242	2.94	5.8
K289954		1795	157.5	<0.002	1.74	68.7	7.7	1	2.3	60.1	0.45	0.96	10.8	0.175	2.31	3.8
K289955		1325	172.0	<0.002	4.62	64.5	9.2	2	7.5	99.2	0.50	0.97	12.2	0.205	2.44	5.1
K289956		64.5	179.5	<0.002	0.88	13.35	10.1	<1	2.2	179.5	0.64	0.41	14.8	0.233	2.96	6.5
K289957		1775	157.0	<0.002	1.96	106.0	7.7	1	2.4	84.6	0.41	0.81	11.6	0.170	2.39	6.3
K289958		94.0	146.0	<0.002	0.34	12.65	11.0	1	2.5	280	0.67	<0.05	15.0	0.265	1.79	4.4
K289959		26.6	120.0	0.002	0.12	11.05	9.1	<1	1.9	256	0.59	<0.05	11.6	0.241	1.66	4.1
K289960		1835	145.5	<0.002	2.94	36.5	8.8	<1	4.2	168.0	0.58	<0.05	10.7	0.232	2.73	4.5
K289961		3.1	1.3	<0.002	<0.01	0.10	0.2	<1	<0.2	47.9	<0.05	<0.05	<0.2	<0.005	0.02	0.6
K289962		22.8	90.9	0.002	0.01	17.60	5.0	<1	1.6	495	0.76	<0.05	9.2	0.321	1.71	3.7
K289963		35.5	128.0	<0.002	0.03	11.50	5.2	<1	1.8	453	0.65	<0.05	10.3	0.250	2.12	4.8
K289964		557	138.0	0.002	0.69	13.65	9.2	<1	3.7	313	0.62	<0.05	12.6	0.241	2.21	5.0
K289965		240	151.5	<0.002	0.54	9.45	9.0	<1	2.4	208	0.61	<0.05	11.6	0.231	2.67	5.2
K289966		320	150.5	0.002	0.65	13.15	9.9	<1	2.8	194.5	0.62	0.06	12.6	0.239	3.04	10.2

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 20-AUG-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15119596

Sample Description	Method Analyte Units LOR	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Ag-OG62 Ag ppm 1
K289931		54	3.3	11.2	5140	19.3	104
K289932		69	5.3	16.1	4380	25.3	
K289933		71	1.5	17.3	52	25.9	
K289934		57	3.1	16.0	254	20.4	
K289935		63	3.3	14.4	35	23.2	
K289936		66	3.3	16.2	293	25.2	
K289937		73	1.4	16.1	40	25.9	
K289938		69	3.0	17.7	42	39.4	
K289939		70	3.5	17.7	42	39.2	
K289940		67	5.3	12.5	875	31.0	
K289941		58	3.2	14.2	154	32.6	
K289942		39	3.1	7.9	4020	20.6	201
K289943		2	0.1	0.8	23	<0.5	
K289944		69	2.9	15.9	108	38.5	
K289945		67	1.5	17.1	52	33.2	
K289946		71	3.1	18.8	59	35.6	
K289947		63	2.8	16.3	57	33.6	
K289948		61	2.8	15.6	56	33.8	
K289949		65	2.1	15.4	57	31.4	
K289950		64	2.2	14.4	61	25.7	
K289951		65	3.3	13.6	63	24.1	
K289952		72	3.4	14.7	184	31.1	
K289953		69	3.5	14.2	240	32.0	
K289954		47	4.9	8.3	3880	27.7	
K289955		62	5.8	12.3	2370	29.5	
K289956		65	5.3	12.3	263	35.8	
K289957		55	3.4	9.2	3290	26.7	
K289958		70	4.9	17.2	295	35.5	
K289959		64	11.8	14.8	74	28.4	
K289960		60	10.3	12.3	3040	38.3	
K289961		2	0.1	0.7	20	0.6	
K289962		49	1.1	8.5	116	147.0	
K289963		45	1.1	11.4	87	150.5	
K289964		62	2.3	14.7	1960	42.2	
K289965		60	2.0	12.5	235	34.4	
K289966		70	2.2	14.5	1060	30.1	

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: Klaza

Finalized Date: 20-AUG-2015
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH15119596

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Ag-OG62	Au-AA24	ME-MS61	ME-OG62

ALS Canada Ltd.

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 21-AUG-2015
Account: ROCKHA

CERTIFICATE WH15119613

Project: Klaza

P.O. No.: BATCH 109

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 9-AUG-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21d	Sample logging - ClientBarCode Dup
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
BAG-06	Double Bagging Coarse Rejects
SPL-21d	Split sample - duplicate
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31d	Pulverize Split - duplicate

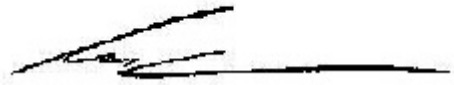
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.

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VANCOUVER BC V6B 1L8

Finalized Date: 21-AUG-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15119613

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
K289647		6.16	<0.005	0.15	6.75	18.6	1920	1.49	0.09	2.61	0.87	39.5	8.9	11	6.16	8.0
K289648		4.77	0.012	0.42	7.15	86.8	1510	1.36	0.10	2.51	0.57	46.1	8.4	11	10.35	12.6
K289649		6.67	<0.005	0.22	7.41	6.5	2190	1.54	0.09	2.71	0.94	44.6	9.3	13	5.44	8.7
K289650		<0.02	<0.005	0.22	7.90	7.0	2200	1.58	0.10	2.81	0.88	57.5	8.6	10	6.24	8.0
K289651		1.55	0.019	1.18	6.75	180.5	980	1.54	0.27	3.86	6.56	49.9	9.3	8	21.2	17.6
K289652		4.88	<0.005	0.06	7.25	9.0	1890	1.68	0.08	2.67	0.08	50.0	8.0	10	15.05	7.0
K289653		0.35	0.348	4.62	6.76	701	790	1.47	3.60	2.07	10.70	51.3	12.4	18	14.30	320
K289654		5.11	<0.005	0.08	7.26	11.1	1910	1.55	0.08	2.88	0.24	48.8	7.2	10	26.0	8.1
K289655		6.58	<0.005	0.08	7.17	13.3	1890	1.53	0.07	2.89	0.12	52.1	8.5	11	24.4	7.4
K289656		1.96	0.018	2.76	7.03	121.0	1870	1.66	0.14	2.74	10.35	44.5	8.4	8	20.9	17.7
K289657		4.36	<0.005	0.07	7.13	7.2	1950	1.37	0.05	2.25	0.20	42.6	7.5	10	17.85	7.3
K289658		3.50	0.006	1.05	7.21	89.4	1990	1.58	0.08	3.08	7.92	50.6	7.2	8	22.3	19.7
K289659		1.45	0.023	1.98	7.00	379	1540	1.60	0.16	3.22	5.48	50.6	9.0	8	18.60	8.5
K289660		3.65	<0.005	0.01	0.16	0.2	30	0.13	0.03	20.7	0.07	2.20	0.8	1	0.33	4.8
K289661		2.68	<0.005	0.08	7.50	27.2	2230	1.37	0.12	3.20	0.11	54.1	8.2	8	13.50	6.6
K289662		4.51	<0.005	0.06	7.53	11.7	1840	1.42	0.05	2.85	0.06	50.9	8.7	12	15.00	6.7
K289663		3.10	0.005	0.07	7.09	4.3	1970	1.38	0.09	2.76	0.06	49.4	7.6	11	8.83	9.4
K289664		1.40	<0.005	0.05	7.16	5.5	1950	1.34	0.07	2.82	0.06	48.7	7.8	10	8.96	14.1
K289665		5.79	0.023	0.70	7.44	155.0	1840	1.60	0.10	2.73	3.82	52.7	8.2	11	13.85	12.7
K289666		0.35	0.888	11.90	6.55	1550	920	1.41	12.10	1.89	32.6	46.8	17.6	18	14.30	292
K289667		4.16	<0.005	0.20	7.06	12.9	1910	1.44	0.07	2.71	2.16	46.6	8.4	11	12.80	6.7
K289668		3.95	0.045	2.32	6.26	591	1460	1.21	1.08	2.27	3.66	39.4	4.9	11	12.75	10.9
K289669		4.35	0.006	0.56	7.73	60.5	1740	1.64	0.10	2.80	2.99	52.3	8.1	10	15.75	18.2
K289670		4.61	<0.005	0.05	7.21	7.0	1870	1.62	0.07	2.65	0.06	46.5	8.3	13	18.85	7.4
K289671		2.14	<0.005	0.10	6.93	32.0	1120	1.70	0.15	2.49	0.17	50.6	6.8	7	18.45	6.4
K289672		3.02	0.023	0.96	5.80	135.5	1260	1.50	0.43	5.12	0.88	40.0	12.8	6	17.50	10.0
K289673		5.11	<0.005	0.01	0.12	0.2	30	0.09	0.18	20.7	0.07	1.49	0.7	1	0.28	1.8
K289674		1.84	<0.005	0.02	7.34	6.6	1370	1.67	0.09	2.60	0.06	52.4	6.7	9	12.85	3.5
K289675		5.04	0.006	0.10	6.74	9.7	2480	1.37	0.22	2.54	0.09	44.7	7.3	14	9.77	8.5
K289676		6.45	<0.005	0.04	7.63	3.7	1780	1.28	0.07	1.77	0.06	45.7	8.4	10	12.55	9.1
K289677		2.24	0.006	0.07	6.75	10.7	1370	1.36	0.10	2.58	0.11	49.4	9.1	9	11.15	5.0
K289678		7.21	<0.005	0.06	7.47	2.4	2050	1.45	0.06	2.94	0.06	54.0	8.8	11	10.15	7.1
K289679		6.71	<0.005	0.05	7.24	4.5	2020	1.60	0.05	2.93	0.12	59.0	8.4	14	9.86	6.0
K289680		5.34	<0.005	0.09	7.08	14.4	1730	1.50	0.05	2.96	0.08	46.7	8.5	11	16.45	6.5
K289681		3.87	<0.005	0.24	6.96	13.1	1590	1.45	0.06	2.77	2.15	48.7	9.2	10	20.1	8.9
K289682		7.16	<0.005	0.03	6.97	4.2	2650	1.47	0.08	2.56	0.11	46.8	8.3	10	12.30	5.7

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 21-AUG-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15119613

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
K289647		3.02	15.20	0.22	1.2	0.059	2.54	18.8	13.8	0.90	1080	1.80	1.74	7.1	3.0	620
K289648		3.47	15.10	0.21	1.4	0.136	3.41	23.6	11.8	0.87	3050	3.90	0.92	6.9	3.1	640
K289649		3.17	16.00	0.27	1.3	0.039	2.69	21.9	10.9	0.97	891	1.01	2.26	7.4	3.1	660
K289650		3.39	16.35	0.25	1.4	0.043	2.82	31.3	12.1	1.01	911	1.06	2.25	7.8	3.0	650
K289651		3.93	14.95	0.16	1.2	0.182	3.11	26.5	28.0	1.26	3240	0.77	0.04	7.2	2.7	610
K289652		3.04	16.05	0.17	1.3	0.038	2.70	26.5	25.0	0.79	708	1.23	1.82	7.6	2.8	620
K289653		5.13	15.15	0.18	1.1	0.309	3.14	29.2	26.2	0.78	1840	13.55	0.15	6.3	14.8	520
K289654		2.89	16.10	0.19	1.2	0.052	2.90	25.2	52.8	0.66	865	4.11	1.20	7.6	2.5	620
K289655		3.32	15.90	0.20	1.3	0.044	2.83	27.1	16.4	0.81	985	3.25	1.55	7.7	2.9	620
K289656		3.30	15.40	0.17	1.2	0.145	3.28	23.8	73.0	0.85	3710	0.73	0.08	6.9	2.7	560
K289657		3.03	15.55	0.17	1.3	0.040	2.94	21.4	23.4	0.73	910	4.56	0.96	7.3	2.6	600
K289658		3.19	16.00	0.17	1.2	0.080	3.23	26.2	26.2	0.75	2110	0.60	0.57	7.2	2.6	600
K289659		4.15	14.95	0.16	1.1	0.236	3.57	27.8	18.0	1.13	4410	0.45	0.07	6.6	2.7	550
K289660		0.49	0.51	0.12	<0.1	0.005	0.06	1.0	1.7	12.65	210	0.25	0.03	0.3	2.1	250
K289661		3.35	15.40	0.20	1.2	0.049	3.19	30.2	39.0	1.08	1540	0.45	0.25	7.1	2.6	590
K289662		3.16	16.20	0.21	1.4	0.042	2.76	26.2	22.4	0.95	794	0.62	1.63	8.3	2.9	700
K289663		3.02	15.20	0.19	1.3	0.050	3.10	25.8	11.3	0.84	1040	2.48	1.78	7.2	2.8	580
K289664		3.04	15.65	0.20	1.3	0.046	3.09	24.8	11.1	0.86	981	1.70	1.85	7.1	2.7	600
K289665		3.54	15.85	0.18	1.3	0.086	3.19	27.7	14.0	0.86	2210	1.11	1.30	7.6	2.9	640
K289666		6.69	15.05	0.15	1.1	0.792	3.01	25.3	19.3	0.78	1790	8.26	0.12	6.5	12.5	530
K289667		3.20	15.95	0.15	1.2	0.054	2.92	23.8	13.8	0.84	1180	1.07	1.65	7.5	2.9	610
K289668		2.91	12.70	0.14	1.5	0.071	3.07	21.4	22.3	0.72	2000	3.02	0.75	5.6	1.9	310
K289669		3.42	15.95	0.18	1.3	0.070	3.44	27.4	17.2	0.96	2470	1.51	1.07	8.0	2.9	640
K289670		3.34	15.65	0.19	1.3	0.040	2.84	23.7	13.7	0.84	892	5.75	1.57	7.5	2.9	610
K289671		2.77	15.65	0.19	1.3	0.058	3.56	26.4	16.9	0.84	2090	12.45	0.05	7.4	2.7	610
K289672		3.91	15.65	0.16	1.0	0.071	2.64	22.3	30.8	1.59	3140	0.23	0.05	5.7	2.5	450
K289673		0.48	0.38	0.12	<0.1	0.006	0.06	0.7	1.3	12.65	211	0.26	0.01	0.3	1.7	200
K289674		3.39	15.85	0.19	1.5	0.092	3.41	26.9	26.7	0.73	1060	1.98	0.44	8.4	2.6	600
K289675		2.79	14.10	0.59	1.3	0.045	2.65	22.3	20.4	0.89	966	1.25	1.19	7.1	6.6	530
K289676		3.17	16.00	0.16	1.2	0.038	2.65	23.1	29.2	0.73	808	1.12	0.69	7.7	5.1	630
K289677		3.00	14.30	0.31	1.1	0.057	2.39	25.3	23.4	0.81	1290	0.70	1.62	7.3	3.2	610
K289678		3.31	15.75	0.16	1.3	0.040	2.62	27.6	12.8	0.89	788	1.32	2.06	7.9	3.4	670
K289679		3.19	15.70	0.17	1.3	0.048	2.70	30.6	15.6	0.89	907	4.50	2.02	7.8	3.0	650
K289680		3.10	15.65	0.18	1.2	0.045	2.58	23.0	25.8	0.85	858	6.32	1.39	7.5	2.8	650
K289681		3.57	15.40	0.17	1.2	0.051	2.59	24.8	32.1	0.95	1060	0.88	0.70	7.4	3.0	630
K289682		2.88	14.60	0.17	1.3	0.041	2.49	23.7	24.3	0.78	972	1.08	1.29	7.6	2.8	630

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 21-AUG-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15119613

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
K289647		41.4	86.9	<0.002	0.06	2.98	11.2	1	1.5	372	0.65	<0.05	11.4	0.264	1.16	3.7
K289648		56.3	166.5	<0.002	0.38	12.55	11.8	1	1.6	224	0.63	<0.05	12.3	0.267	2.39	4.0
K289649		34.5	87.5	<0.002	0.07	3.30	12.2	1	1.4	426	0.68	<0.05	13.1	0.281	1.05	4.2
K289650		34.0	115.0	<0.002	0.06	3.55	12.5	<1	1.6	424	0.65	<0.05	16.4	0.291	1.03	4.9
K289651		201	204	<0.002	0.57	16.70	12.6	1	2.1	171.5	0.61	<0.05	13.9	0.277	2.66	4.4
K289652		17.3	109.0	0.002	0.04	3.32	11.5	<1	1.6	355	0.65	<0.05	16.7	0.271	1.14	5.0
K289653		514	168.0	0.005	2.73	27.6	9.2	1	5.5	111.0	0.52	0.30	11.4	0.214	2.34	5.1
K289654		20.3	123.0	0.002	0.06	11.50	11.9	<1	1.6	316	0.59	<0.05	15.3	0.283	1.46	3.7
K289655		20.4	131.0	0.002	0.06	8.02	12.7	<1	1.6	344	0.62	<0.05	14.3	0.285	1.39	4.3
K289656		891	174.5	<0.002	0.49	86.8	10.7	<1	2.1	177.0	0.55	<0.05	12.1	0.260	2.37	3.7
K289657		24.5	107.5	0.002	0.04	7.28	10.9	<1	1.5	291	0.58	<0.05	14.8	0.267	1.27	4.1
K289658		182.5	133.0	<0.002	0.16	14.75	10.7	<1	1.7	242	0.55	<0.05	12.4	0.268	1.82	3.6
K289659		553	205	<0.002	0.71	14.20	10.5	<1	1.9	150.0	0.51	<0.05	14.6	0.249	2.35	3.7
K289660		2.0	2.5	<0.002	<0.01	0.08	0.6	<1	<0.2	48.0	<0.05	<0.05	<0.2	0.013	0.02	0.7
K289661		16.4	157.0	<0.002	0.27	7.52	11.3	<1	1.5	186.0	0.55	<0.05	15.7	0.267	1.85	4.3
K289662		19.2	103.0	0.002	0.02	3.03	13.4	<1	1.6	365	0.64	<0.05	15.3	0.303	1.10	4.2
K289663		21.1	122.5	0.002	0.06	2.46	10.8	<1	1.4	355	0.60	<0.05	15.7	0.257	1.29	4.3
K289664		20.2	117.5	<0.002	0.05	2.53	11.1	1	2.0	368	0.55	<0.05	15.7	0.263	1.26	4.1
K289665		133.5	162.5	<0.002	0.54	10.40	11.5	<1	1.8	293	0.61	<0.05	15.4	0.272	1.91	4.3
K289666		1340	173.0	0.002	4.74	63.1	9.1	1	7.7	98.4	0.54	1.06	11.2	0.217	2.52	5.2
K289667		84.2	119.0	<0.002	0.09	3.77	11.7	1	1.5	340	0.59	<0.05	12.8	0.279	1.32	3.9
K289668		209	145.5	<0.002	0.79	21.8	5.8	<1	1.5	196.5	0.62	<0.05	19.9	0.145	1.85	6.3
K289669		121.0	171.5	<0.002	0.25	10.50	11.7	<1	1.8	271	0.66	<0.05	15.2	0.293	2.01	4.9
K289670		16.7	114.0	0.002	0.03	3.32	11.3	1	1.5	333	0.60	<0.05	14.5	0.277	1.28	4.3
K289671		14.8	166.5	0.002	0.22	11.40	11.4	<1	1.8	117.5	0.62	<0.05	15.1	0.273	2.64	5.4
K289672		48.6	154.0	<0.002	0.86	21.4	8.8	<1	6.4	152.5	0.48	<0.05	10.3	0.208	1.80	5.5
K289673		1.4	2.2	<0.002	0.01	0.06	0.3	<1	<0.2	46.5	<0.05	<0.05	<0.2	0.006	0.03	0.7
K289674		16.5	169.0	<0.002	0.10	5.26	11.1	<1	1.8	162.5	0.82	<0.05	15.6	0.282	2.15	6.5
K289675		18.7	113.0	0.002	0.16	5.21	9.7	1	1.7	234	0.67	<0.05	16.7	0.241	1.35	4.9
K289676		17.2	97.8	0.002	0.03	9.02	11.7	<1	1.7	196.0	0.61	<0.05	12.9	0.281	1.06	3.1
K289677		11.2	120.0	0.002	0.17	9.96	11.6	<1	1.6	201	0.56	<0.05	13.2	0.268	1.37	4.0
K289678		17.2	98.8	0.002	0.01	2.13	12.5	<1	1.7	412	0.61	<0.05	15.7	0.287	0.96	4.9
K289679		19.2	108.5	0.002	0.04	2.09	12.6	<1	1.6	384	0.61	<0.05	16.6	0.282	1.05	4.4
K289680		17.1	98.5	0.002	0.06	4.94	12.0	<1	1.6	320	0.55	<0.05	13.5	0.279	1.19	3.6
K289681		72.8	105.5	<0.002	0.23	8.74	12.5	<1	1.8	259	0.54	<0.05	14.0	0.278	1.40	3.5
K289682		14.0	104.0	<0.002	0.15	6.40	11.6	<1	1.6	245	0.62	<0.05	13.2	0.279	1.19	4.0

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 21-AUG-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15119613

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	V	W	Y	Zn	Zr
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	1	0.1	0.1	2	0.5
K289647		79	3.6	15.6	105	34.1
K289648		80	4.5	15.4	137	36.6
K289649		86	1.4	16.7	163	35.5
K289650		80	1.4	19.6	161	39.5
K289651		82	4.3	17.9	500	33.2
K289652		77	1.5	17.1	59	37.3
K289653		65	5.4	12.3	863	33.3
K289654		78	4.4	17.3	73	34.1
K289655		83	2.4	17.8	68	35.6
K289656		74	3.1	14.8	803	32.6
K289657		75	7.4	14.8	68	36.5
K289658		76	3.7	16.8	728	35.6
K289659		70	2.0	15.7	480	31.5
K289660		5	0.1	1.1	17	0.5
K289661		72	1.7	15.8	55	33.9
K289662		90	2.4	17.5	62	37.7
K289663		71	2.0	16.3	58	36.7
K289664		74	2.2	16.2	58	36.0
K289665		77	3.5	16.6	356	36.0
K289666		62	6.0	11.7	2420	31.3
K289667		79	2.0	16.3	207	35.5
K289668		38	3.6	10.6	342	42.1
K289669		83	6.1	17.4	332	34.9
K289670		78	4.6	15.5	59	36.4
K289671		77	5.7	16.8	52	35.4
K289672		76	3.1	16.4	134	28.8
K289673		3	0.1	0.9	17	<0.5
K289674		76	5.4	17.8	67	38.5
K289675		69	2.5	13.3	55	33.6
K289676		81	3.4	14.8	56	34.3
K289677		75	1.6	15.5	55	31.8
K289678		83	2.1	18.2	60	35.3
K289679		81	4.4	19.1	60	35.8
K289680		82	4.1	16.9	57	37.1
K289681		83	2.0	16.7	177	35.2
K289682		76	5.3	13.7	56	35.7

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: Klaza

Finalized Date: 21-AUG-2015
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH15119613

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	ME-MS61

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 24-AUG-2015
Account: ROCKHA

CERTIFICATE WH15119615

Project: Klaza

P.O. No.: BATCH 110

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 9-AUG-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21d	Sample logging - ClientBarCode Dup
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
BAG-06	Double Bagging Coarse Rejects
SPL-21d	Split sample - duplicate
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31d	Pulverize Split - duplicate

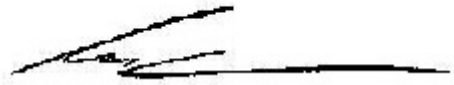
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Zn-OG62	Ore Grade Zn - Four Acid	VARIABLE
As-OG62	Ore Grade As - Four Acid	VARIABLE
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.

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VANCOUVER BC V6B 1L8

Finalized Date: 24-AUG-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15119615

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
K289967		3.09	0.006	0.18	6.92	21.0	1960	1.60	0.28	1.93	0.09	46.8	2.5	12	11.30	2.0
K289968		5.32	<0.005	0.14	7.16	33.3	2080	1.72	0.28	1.90	1.25	50.2	4.4	10	8.10	2.5
K289969		1.37	0.090	1.51	7.22	544	1290	1.47	0.26	1.82	10.15	48.1	6.6	10	13.40	12.8
K289970		1.21	1.880	77.5	6.19	5640	760	1.20	2.76	0.72	135.5	40.6	2.8	9	9.62	346
K289971		5.40	<0.005	0.11	0.07	3.0	30	0.05	0.04	21.0	0.21	1.25	0.6	1	0.15	3.1
K289972		5.48	0.134	18.10	6.81	318	320	1.47	0.48	1.63	38.3	43.6	7.8	10	13.10	37.0
K289973		0.34	0.860	11.65	6.55	1595	270	1.36	11.95	1.87	34.1	46.1	17.5	19	13.55	282
K289974		1.24	0.016	0.57	7.15	144.0	1110	1.57	0.34	1.58	1.84	38.9	2.5	10	22.0	4.3
K289975		1.64	1.925	56.4	4.36	1075	80	0.99	3.50	0.99	39.7	48.5	62.6	9	8.37	117.5
K289976		1.48	0.141	4.06	7.18	233	1170	1.60	0.29	1.73	65.4	51.8	7.6	10	21.6	34.9
K289977		4.17	0.006	0.36	7.31	19.0	2540	1.54	0.27	1.60	0.56	51.5	4.6	12	12.80	3.9
K289978		2.72	0.005	0.37	7.09	20.3	1120	1.69	0.15	2.27	1.19	32.7	1.4	10	14.40	4.3
K289979		6.29	<0.005	0.25	6.92	39.1	2250	1.48	0.32	2.01	0.28	41.1	5.8	11	16.25	4.3
K289980		<0.02	<0.005	0.22	7.08	40.4	2340	1.52	0.31	2.04	0.25	40.8	5.9	11	16.95	3.3
K289981		7.79	<0.005	0.13	7.53	9.9	2450	1.58	0.60	2.34	0.16	52.1	5.3	15	11.95	4.4
K289982		2.33	<0.005	0.08	6.99	7.7	2200	1.59	0.38	2.44	0.25	46.6	5.9	12	19.70	5.9
K289983		5.22	0.009	0.62	6.80	116.0	1630	1.55	0.24	2.18	0.89	42.9	5.9	11	24.1	10.4
K289984		4.71	<0.005	0.18	7.11	9.2	2290	1.70	0.33	2.54	0.17	48.6	6.5	12	18.10	6.2
K289985		2.33	0.007	0.28	7.05	8.9	2330	1.63	0.61	2.56	0.11	46.3	7.5	12	20.2	8.5
K289986		5.34	<0.005	0.30	7.35	12.3	2480	1.41	0.25	1.77	0.24	48.9	5.6	11	17.90	16.5
K289987		1.01	0.037	2.33	6.48	109.5	2660	1.50	2.49	3.14	0.62	48.6	11.4	7	17.95	27.5
K289988		3.35	<0.005	0.14	6.81	62.5	2530	1.50	0.19	2.79	0.15	46.0	6.4	9	28.8	6.8
K289989		5.72	<0.005	0.11	6.72	12.5	2030	1.57	0.23	2.68	0.14	45.0	6.0	11	27.6	7.2
K289990		2.55	0.014	0.38	6.92	82.8	4140	1.31	0.36	2.12	0.43	44.0	5.8	8	14.50	4.9
K289991		2.55	7.75	36.0	3.34	>10000	130	1.07	6.94	2.31	166.5	24.8	40.8	10	11.25	122.0
K289992		5.41	<0.005	0.04	0.08	7.6	30	0.05	0.03	20.9	0.20	1.32	0.7	1	0.19	1.6
K289993		3.33	0.005	0.52	7.05	44.3	920	1.69	0.24	2.82	3.15	48.6	2.4	6	20.4	3.0
K289994		2.70	0.005	0.16	8.03	24.8	2110	1.47	0.25	1.28	0.37	53.8	2.2	10	13.70	3.9
K289995		5.07	<0.005	0.13	7.46	13.8	2310	1.71	0.39	2.32	0.15	48.3	6.6	9	13.55	7.9
K289996		7.89	<0.005	0.13	7.51	12.0	1850	1.59	0.43	2.14	0.07	39.0	3.8	10	11.65	6.6
K289997		3.64	<0.005	0.10	8.06	10.1	2390	1.77	0.23	1.45	0.13	54.2	6.1	9	10.80	6.8
K289998		2.02	<0.005	0.09	6.95	12.7	1060	1.63	0.20	3.40	0.14	46.7	4.7	7	14.90	2.3
K289999		0.34	0.372	4.74	6.94	756	370	1.55	3.66	2.18	11.05	50.9	13.1	25	15.30	327
K290000		2.33	<0.005	0.17	8.13	24.6	1190	1.76	0.18	2.52	0.12	29.1	11.9	4	13.10	1.5
K290001		1.11	0.119	0.75	6.34	173.0	630	1.46	0.80	3.72	0.91	56.8	25.2	6	13.15	4.2
K290002		1.34	<0.005	0.10	8.10	9.0	1780	1.58	0.32	0.99	0.12	49.5	3.8	8	10.75	4.4

***** See Appendix Page for comments regarding this certificate *****

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 24-AUG-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15119615

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
K289967		3.03	14.35	0.16	1.1	0.108	2.76	24.0	22.1	0.65	1170	1.01	1.97	7.6	4.3	530
K289968		3.18	15.15	0.15	1.1	0.083	2.13	25.9	21.0	0.73	750	0.79	2.92	7.8	2.6	570
K289969		3.39	14.15	0.20	1.1	0.094	3.60	25.5	14.3	0.64	3250	0.85	0.13	7.6	2.8	540
K289970		6.31	13.35	0.18	1.0	0.787	2.93	21.3	12.8	0.37	1640	4.51	0.03	7.1	2.5	500
K289971		0.47	0.19	0.09	<0.1	0.007	0.03	0.6	1.1	13.10	209	0.16	0.01	0.2	1.5	170
K289972		3.97	13.95	0.16	1.1	0.133	3.29	21.9	15.4	0.61	3180	2.73	0.03	7.4	2.2	530
K289973		6.67	14.55	0.14	1.0	0.823	2.93	23.7	18.6	0.78	1830	9.09	0.13	6.4	12.2	540
K289974		2.39	15.85	0.13	1.2	0.085	3.40	19.3	18.0	0.57	2670	0.99	0.04	8.7	1.9	620
K289975		16.55	17.95	0.18	0.7	0.450	2.27	21.8	7.9	0.39	1580	6.25	0.02	3.7	14.7	430
K289976		3.80	14.75	0.15	1.2	0.125	3.21	29.5	34.8	0.73	4400	0.86	0.04	7.7	2.7	580
K289977		3.00	14.80	0.17	1.3	0.074	3.49	26.2	34.1	0.62	990	0.61	1.66	8.4	2.5	570
K289978		2.52	13.45	0.16	1.0	0.084	2.44	16.1	32.5	0.70	1370	0.51	1.15	8.1	1.6	600
K289979		3.06	14.80	0.17	1.1	0.070	3.12	20.5	27.5	0.74	910	0.59	1.32	7.9	2.8	580
K289980		3.09	15.10	0.15	1.1	0.065	3.17	20.8	27.4	0.75	911	0.58	1.36	8.0	2.3	570
K289981		2.93	15.65	0.17	1.1	0.070	3.18	27.2	11.2	0.74	625	1.16	2.41	8.1	2.6	590
K289982		2.85	15.35	0.21	1.3	0.060	2.79	23.1	18.5	0.67	554	1.16	2.19	8.2	2.5	600
K289983		2.57	15.30	0.17	1.4	0.046	2.98	21.7	214	0.72	1280	1.61	0.11	8.0	2.3	550
K289984		2.83	15.55	0.17	1.2	0.060	2.86	24.1	29.2	0.70	659	1.97	1.92	8.1	2.6	600
K289985		2.93	15.50	0.16	1.1	0.058	2.92	22.8	32.6	0.70	698	2.11	1.92	8.1	2.7	610
K289986		2.83	15.85	0.19	1.1	0.071	3.02	25.2	93.3	0.60	738	1.15	0.96	8.0	2.3	610
K289987		3.32	13.40	0.18	1.0	0.121	2.54	27.2	314	1.12	2070	2.33	0.06	6.6	2.4	490
K289988		2.75	15.40	0.18	1.1	0.046	2.80	22.6	192.0	0.75	861	2.19	0.89	8.2	2.3	610
K289989		2.78	15.00	0.18	1.2	0.053	3.13	22.2	72.0	0.71	721	1.17	1.42	7.7	2.4	560
K289990		2.93	15.20	0.20	1.1	0.093	3.06	22.5	115.5	0.72	1270	1.21	0.08	7.7	2.2	590
K289991		8.58	7.80	0.12	0.5	0.304	1.46	13.2	43.7	0.84	6020	2.92	0.02	3.1	2.5	240
K289992		0.50	0.24	0.09	<0.1	0.007	0.03	0.6	1.5	13.20	214	0.11	0.01	0.2	1.7	200
K289993		2.82	15.35	0.15	1.1	0.119	2.72	25.7	276	0.98	1840	2.73	0.04	6.7	2.0	540
K289994		3.41	16.50	0.16	1.2	0.124	2.77	28.9	22.9	0.56	691	2.45	1.55	9.1	2.1	690
K289995		3.89	17.65	0.14	1.1	0.186	3.24	23.3	38.1	0.91	1100	2.80	1.02	8.3	6.3	630
K289996		3.36	16.85	0.15	1.1	0.130	2.75	18.2	21.7	0.57	713	1.52	1.65	8.3	2.8	620
K289997		3.59	17.70	0.19	1.2	0.077	3.21	26.5	22.7	0.84	529	1.50	1.96	9.2	2.9	670
K289998		3.55	15.50	0.16	1.1	0.061	2.55	22.9	215	1.19	1530	1.19	0.52	7.4	2.3	570
K289999		5.35	16.25	0.13	1.1	0.336	3.24	26.9	27.7	0.81	1960	14.95	0.16	6.5	15.0	550
K290000		7.66	22.7	0.13	1.8	0.111	4.06	13.2	73.4	1.52	2520	2.40	0.05	4.8	4.0	1170
K290001		6.78	14.70	0.13	1.0	0.152	2.89	29.0	20.1	1.27	7270	2.65	0.09	6.4	2.4	540
K290002		3.58	17.55	0.15	1.2	0.079	2.97	24.7	37.6	0.48	663	1.64	0.97	8.7	2.2	650

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
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VANCOUVER BC V6B 1L8

Finalized Date: 24-AUG-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15119615

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
K289967		11.4	134.0	<0.002	0.14	5.47	9.8	<1	2.7	243	0.62	<0.05	13.3	0.234	2.11	3.5
K289968		47.9	98.2	<0.002	0.15	4.46	9.8	<1	2.8	307	0.64	0.06	12.5	0.240	1.38	4.5
K289969		354	202	<0.002	1.91	16.60	9.4	1	3.2	90.9	0.63	<0.05	13.5	0.236	3.19	5.5
K289970		5700	184.5	<0.002	6.68	244	9.1	<1	7.0	48.2	0.58	<0.05	11.7	0.222	2.83	3.6
K289971		7.3	1.3	<0.002	0.01	0.32	0.1	<1	0.2	47.0	<0.05	<0.05	<0.2	<0.005	0.03	1.0
K289972		1020	179.0	<0.002	2.98	34.9	9.0	1	4.6	87.8	0.65	0.14	12.0	0.222	3.03	4.8
K289973		1310	169.0	0.003	4.71	64.6	9.0	1	8.1	98.1	0.52	0.93	11.1	0.213	2.51	5.3
K289974		48.2	154.0	<0.002	0.33	12.15	10.0	<1	2.9	153.0	0.68	<0.05	11.8	0.259	3.34	3.7
K289975		9730	106.0	<0.002	>10.0	85.3	11.0	1	4.1	47.5	0.32	0.47	7.0	0.174	2.39	5.2
K289976		752	172.0	<0.002	1.27	16.25	9.5	1	3.4	176.0	0.65	<0.05	14.0	0.244	2.70	5.7
K289977		34.5	151.0	<0.002	0.26	6.35	10.3	<1	2.3	247	0.70	<0.05	13.9	0.250	2.37	4.3
K289978		45.6	119.5	<0.002	0.17	8.20	9.3	<1	2.6	184.0	0.61	<0.05	12.2	0.246	2.11	4.5
K289979		17.9	136.0	<0.002	0.19	6.51	9.7	<1	2.5	233	0.64	<0.05	12.2	0.248	2.03	3.3
K289980		16.1	141.5	<0.002	0.19	6.66	9.9	1	2.5	236	0.62	<0.05	12.7	0.251	2.04	3.5
K289981		19.8	128.0	<0.002	0.06	2.94	10.0	<1	2.2	371	0.65	0.18	14.1	0.251	1.49	4.5
K289982		21.7	114.5	<0.002	0.03	3.41	10.7	1	1.9	376	0.70	<0.05	13.4	0.254	1.34	4.8
K289983		75.3	123.5	<0.002	0.34	19.20	9.4	<1	2.2	221	0.74	<0.05	12.5	0.234	2.61	5.6
K289984		21.7	118.0	<0.002	0.04	5.71	10.7	<1	2.2	343	0.63	0.06	13.4	0.254	1.40	4.1
K289985		16.0	117.0	<0.002	0.05	6.21	10.6	<1	2.6	341	0.64	0.14	12.4	0.262	1.49	4.0
K289986		16.1	128.5	<0.002	0.07	19.45	10.8	<1	2.3	247	0.60	<0.05	13.4	0.260	1.52	3.1
K289987		55.9	138.5	<0.002	0.69	24.9	9.0	1	2.1	201	0.52	0.16	11.9	0.213	2.03	7.0
K289988		16.9	117.5	<0.002	0.11	15.10	10.5	1	2.2	320	0.64	<0.05	12.8	0.256	1.90	4.2
K289989		13.9	131.5	<0.002	0.07	8.77	10.0	<1	1.9	304	0.63	<0.05	12.8	0.245	1.93	4.2
K289990		22.5	128.5	<0.002	0.35	18.55	9.7	<1	2.1	186.0	0.62	<0.05	12.3	0.245	1.85	6.0
K289991		1380	89.2	<0.002	7.79	143.0	4.2	1	3.8	61.9	0.24	2.53	5.6	0.101	1.45	3.6
K289992		2.7	1.4	<0.002	0.02	0.19	0.2	<1	<0.2	49.1	<0.05	<0.05	0.2	0.005	0.02	3.8
K289993		136.5	132.0	<0.002	0.45	12.35	8.4	<1	2.0	197.5	0.59	<0.05	11.5	0.215	2.68	4.2
K289994		15.9	127.5	<0.002	0.05	9.29	11.4	<1	2.8	187.0	0.71	<0.05	14.5	0.282	1.46	3.3
K289995		13.5	137.0	0.003	0.16	10.60	11.1	1	2.4	190.5	0.66	<0.05	12.3	0.272	1.95	3.8
K289996		11.4	118.0	<0.002	0.03	9.18	10.7	<1	2.3	229	0.67	<0.05	10.9	0.273	1.54	2.4
K289997		14.2	134.0	<0.002	0.03	5.10	12.0	<1	2.3	293	0.72	<0.05	13.4	0.293	1.42	4.5
K289998		11.3	96.0	<0.002	0.14	14.45	10.3	<1	1.8	196.0	0.59	<0.05	11.0	0.247	2.26	3.5
K289999		528	164.5	0.003	2.86	30.3	9.8	1	5.8	113.5	0.51	0.41	11.5	0.217	2.62	5.4
K290000		7.3	244	<0.002	0.54	7.89	14.6	<1	2.3	103.5	0.27	<0.05	3.2	0.362	4.35	5.0
K290001		105.5	161.0	<0.002	3.20	13.25	9.8	1	2.8	110.5	0.48	0.20	10.4	0.229	2.51	4.3
K290002		12.5	117.0	<0.002	0.02	14.25	12.3	<1	2.3	174.0	0.66	<0.05	13.2	0.295	1.36	2.3

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Project: Klaza

CERTIFICATE OF ANALYSIS WH15119615

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Zn-OG62	As-OG62
	Analyte	V	W	Y	Zn	Zr	Zn	As
	Units	ppm	ppm	ppm	ppm	ppm	%	%
	LOR	1	0.1	0.1	2	0.5	0.001	0.001
K289967		60	1.8	11.7	59	28.5		
K289968		67	1.6	13.6	123	32.3		
K289969		60	2.5	12.8	619	29.3		
K289970		56	3.4	7.2	>10000	27.5	1.295	
K289971		2	0.1	0.8	29	<0.5		
K289972		59	3.6	11.6	2260	29.1		
K289973		63	5.9	11.4	2400	30.1		
K289974		65	6.3	12.9	143	35.3		
K289975		132	18.5	8.0	3030	19.0		
K289976		63	3.0	12.9	4050	31.7		
K289977		65	1.9	14.3	77	35.7		
K289978		60	3.4	12.6	119	29.1		
K289979		64	2.0	13.4	68	30.1		
K289980		65	2.0	13.7	68	29.9		
K289981		67	1.6	17.1	52	31.4		
K289982		70	1.4	16.6	58	36.9		
K289983		62	4.2	15.3	90	37.7		
K289984		70	2.0	16.5	47	34.3		
K289985		70	2.1	16.0	47	32.3		
K289986		70	2.4	15.6	54	32.0		
K289987		61	2.9	14.7	81	27.8		
K289988		68	2.8	15.9	49	32.4		
K289989		66	2.4	15.1	40	34.9		
K289990		64	3.7	13.8	72	30.2		
K289991		29	2.2	6.1	9360	13.7		1.295
K289992		2	0.1	0.8	25	0.5		
K289993		59	2.4	13.7	221	29.5		
K289994		71	2.4	15.7	62	35.4		
K289995		74	3.1	15.4	69	30.2		
K289996		70	2.6	14.7	57	28.2		
K289997		79	2.5	16.3	61	34.1		
K289998		68	1.9	15.5	62	30.4		
K289999		69	5.5	12.7	910	32.6		
K290000		144	3.0	18.5	129	73.0		
K290001		64	3.2	15.6	109	31.3		
K290002		77	3.5	15.5	63	33.8		

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

2103 Dollarton Hwy
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www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: Klaza

Finalized Date: 24-AUG-2015
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH15119615

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

As-OG62	Au-AA24	ME-MS61	ME-OG62
Zn-OG62			

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 19-AUG-2015
Account: ROCKHA

CERTIFICATE WH15119620

Project: Klaza

P.O. No.: BATCH 111

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 9-AUG-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21d	Sample logging - ClientBarCode Dup
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
BAG-06	Double Bagging Coarse Rejects
SPL-21d	Split sample - duplicate
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31d	Pulverize Split - duplicate

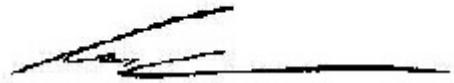
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 19-AUG-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15119620

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
K289683		4.48	<0.005	0.04	6.90	7.0	1960	1.64	0.07	3.40	0.08	46.9	8.8	8	14.20	6.7
K289684		0.34	0.872	12.05	6.73	1625	350	1.53	12.05	1.94	33.2	48.2	18.5	18	15.10	298
K289685		4.19	<0.005	0.06	7.29	7.1	1340	1.36	0.06	2.90	0.10	43.9	8.4	8	22.7	7.5
K289686		3.24	<0.005	0.05	7.30	8.6	1800	1.40	0.06	2.01	0.09	40.7	8.4	8	17.15	6.3
K289687		4.39	<0.005	0.18	7.33	9.5	1970	1.68	0.07	2.80	0.64	41.2	8.1	9	19.45	9.4
K289688		1.02	0.017	0.63	6.67	403	5140	1.66	0.11	4.25	0.75	47.3	8.4	6	20.0	24.6
K289689		5.38	<0.005	0.01	0.09	0.4	40	0.06	0.03	20.9	0.06	1.23	0.6	<1	0.24	1.4
K289690		7.09	<0.005	0.05	7.56	3.8	1960	1.66	0.07	3.24	0.07	45.5	8.6	9	17.25	8.4
K289691		5.30	<0.005	0.07	7.61	2.9	2260	1.56	0.05	3.12	0.10	49.1	8.7	12	15.90	6.9
K289692		6.55	<0.005	0.07	7.59	6.6	1990	1.44	0.45	2.16	0.06	48.9	7.8	8	14.25	4.1
K289693		<0.02	<0.005	0.15	7.17	6.2	2050	1.44	0.51	2.28	0.11	45.3	8.2	7	13.75	5.6
K289694		2.48	0.019	0.33	7.13	29.3	900	1.75	0.72	2.29	0.68	50.4	7.0	6	14.95	10.0
K289695		2.75	0.181	1.60	6.53	174.5	470	1.43	2.19	2.98	7.20	46.7	8.1	7	16.05	7.8
K289696		5.42	0.296	8.20	6.50	505	330	1.28	1.07	1.02	18.15	43.5	10.3	10	10.05	56.7
K289697		5.54	0.288	6.19	7.43	795	400	1.39	1.22	1.45	27.8	54.0	12.7	8	10.40	38.0
K289698		8.35	0.009	0.38	7.17	71.4	1170	1.63	0.16	3.30	2.88	76.9	7.6	26	27.1	5.8
K289699		2.28	<0.005	0.23	7.06	31.1	180	1.61	0.15	3.48	0.42	76.2	7.0	26	26.0	3.2
K289700		2.76	0.151	2.40	5.05	450	1040	2.01	0.46	6.76	13.15	46.2	7.9	8	22.1	20.4
K289701		4.85	<0.005	0.01	0.08	0.7	30	0.05	0.03	21.1	0.09	1.32	0.7	<1	0.23	1.4
K289702		3.26	0.011	0.61	7.30	114.0	1460	1.66	0.12	2.77	1.70	49.0	8.7	7	21.6	8.2
K289703		1.19	0.010	0.59	7.36	125.0	590	1.61	0.13	2.81	1.65	52.1	7.1	8	20.2	11.8
K289704		6.28	<0.005	0.09	7.47	6.3	2510	1.33	0.05	2.12	0.23	36.6	8.8	9	16.40	8.9
K289705		1.18	0.337	5.20	7.13	182.0	1190	1.48	2.20	1.71	52.4	48.7	7.4	6	14.35	206
K289706		3.40	<0.005	0.07	7.77	8.3	2150	1.41	0.09	2.36	0.14	49.0	7.7	7	17.95	6.7
K289707		2.30	0.020	0.51	6.38	175.5	2320	1.09	0.13	2.12	0.97	44.3	6.2	5	18.95	11.2
K289708		5.74	0.008	0.22	6.90	31.5	1950	1.49	0.11	2.02	0.31	44.8	7.2	7	20.1	14.8
K289709		0.34	0.361	4.69	6.60	716	350	1.39	3.47	2.07	10.65	48.2	12.5	24	14.45	313
K289710		4.32	<0.005	0.18	6.86	19.0	2870	1.48	0.16	2.52	0.30	49.0	6.6	10	20.4	13.2
K289711		2.29	0.096	2.43	5.79	1480	350	1.26	0.13	2.85	10.55	38.0	6.5	6	11.25	105.0
K289712		6.52	<0.005	0.29	6.49	66.9	490	1.44	0.11	3.23	0.85	44.3	6.0	6	19.30	4.5
K289713		1.32	0.473	5.53	3.47	5280	390	0.74	2.12	6.02	66.1	24.1	5.9	4	5.43	61.7
K289714		4.36	<0.005	0.06	7.93	9.7	2760	1.19	0.06	0.99	0.11	45.1	7.2	7	17.70	4.1
K289715		1.68	0.048	1.41	6.98	180.5	1140	1.35	0.80	1.47	6.12	57.5	8.1	8	14.15	22.5
K289716		2.00	0.030	1.68	6.48	376	1250	1.47	0.10	2.36	13.25	34.2	6.9	6	21.4	53.2
K289717		8.03	0.027	0.59	6.45	91.0	2490	1.85	1.86	3.90	1.30	50.7	10.8	8	41.4	7.9
K289718		2.79	0.037	11.15	5.65	309	2700	1.16	7.58	4.29	21.7	41.9	5.6	6	22.0	89.5

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 19-AUG-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15119620

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
K289683		3.14	15.55	0.11	1.1	0.051	2.72	22.9	21.6	0.88	1130	0.53	1.11	7.4	2.6	620
K289684		6.82	15.65	0.12	1.1	0.834	3.06	24.3	20.1	0.80	1820	8.76	0.13	6.5	12.5	530
K289685		2.99	16.50	0.12	1.3	0.040	2.54	20.9	38.6	0.79	781	1.56	0.23	8.1	2.4	640
K289686		3.02	16.25	0.14	1.4	0.038	2.84	19.1	36.5	0.77	872	12.65	0.16	8.3	2.3	620
K289687		3.13	16.45	0.14	1.4	0.044	2.92	19.5	50.2	0.82	932	1.50	0.52	8.3	2.4	630
K289688		2.96	14.40	0.17	1.1	0.066	2.70	25.2	45.5	1.36	1950	0.69	0.06	6.9	2.4	520
K289689		0.48	0.27	0.14	<0.1	0.005	0.03	0.6	1.2	12.85	206	0.12	0.01	0.2	1.5	190
K289690		3.22	16.25	0.19	1.2	0.039	2.61	22.4	16.0	0.91	740	1.10	1.91	8.0	2.4	640
K289691		3.26	16.60	0.17	1.2	0.045	2.69	24.0	15.9	0.91	725	0.62	2.04	7.7	2.7	670
K289692		3.25	16.45	0.14	1.1	0.046	2.56	24.5	43.1	0.94	998	0.32	0.55	7.4	2.3	640
K289693		3.20	16.10	0.14	1.0	0.041	2.52	22.0	43.8	0.93	1080	0.30	0.52	7.3	2.2	620
K289694		2.99	15.05	0.17	1.3	0.063	2.81	26.6	108.0	0.89	1860	0.26	0.04	7.2	2.0	480
K289695		4.07	17.40	0.14	0.9	0.191	3.03	24.4	49.9	0.95	3700	0.31	0.03	6.7	2.5	520
K289696		7.21	15.05	0.11	0.9	0.387	3.27	23.0	9.5	0.61	5760	1.42	0.03	6.2	2.4	530
K289697		7.00	16.55	0.12	1.1	0.287	3.68	28.7	8.7	0.71	3500	1.62	0.03	7.1	2.6	590
K289698		3.09	17.95	0.14	4.0	0.058	2.51	38.7	240	1.38	939	0.62	0.05	11.0	9.0	1570
K289699		3.08	18.25	0.15	4.3	0.038	2.31	38.1	275	1.40	987	0.90	0.06	11.0	9.1	1380
K289700		3.40	12.05	0.13	1.8	0.076	1.72	24.1	44.5	2.37	2850	3.30	0.04	7.2	3.9	620
K289701		0.47	0.26	0.11	<0.1	0.005	0.03	0.6	1.7	12.90	207	0.08	<0.01	0.2	1.6	200
K289702		3.22	15.60	0.18	1.1	0.076	2.89	26.0	70.9	1.00	1940	0.64	0.04	7.0	2.3	600
K289703		3.17	15.45	0.17	1.1	0.072	2.83	27.5	59.5	0.98	2200	0.77	0.04	7.0	2.3	630
K289704		3.23	17.15	0.14	1.3	0.048	2.50	16.0	52.5	0.81	1080	0.57	0.05	8.1	2.5	710
K289705		3.91	15.05	0.14	1.3	0.471	3.47	26.4	18.5	0.75	2600	0.72	0.03	6.7	2.3	500
K289706		2.74	16.65	0.17	1.5	0.041	3.50	23.9	55.4	0.74	715	0.81	0.12	8.5	2.3	580
K289707		2.76	13.25	0.15	1.1	0.093	1.85	24.0	49.6	0.75	2250	1.46	0.02	6.5	1.8	460
K289708		2.82	15.65	0.13	1.3	0.053	2.29	22.2	65.2	0.75	1280	0.77	0.03	7.6	2.2	550
K289709		5.11	15.35	0.12	1.0	0.324	3.04	25.7	25.1	0.77	1850	15.00	0.15	6.1	14.2	510
K289710		2.70	14.20	0.13	1.2	0.049	2.61	25.4	135.5	0.88	1230	0.38	0.05	6.8	2.2	500
K289711		3.68	12.65	0.12	0.9	0.196	2.74	21.8	35.4	0.83	3770	0.58	0.02	5.2	2.2	390
K289712		2.68	14.05	0.13	1.1	0.040	2.69	24.8	36.7	1.10	1690	0.43	0.04	6.5	2.2	480
K289713		7.72	8.33	0.08	0.6	0.523	1.67	13.6	20.4	1.76	8780	1.08	0.02	3.2	2.0	230
K289714		2.91	16.40	0.12	1.3	0.037	2.94	24.6	62.8	0.68	747	0.46	0.06	7.8	2.4	600
K289715		3.97	15.60	0.15	1.1	0.172	3.41	33.6	21.0	0.72	2360	0.43	0.03	6.5	2.2	500
K289716		3.22	15.25	0.11	1.2	0.379	2.75	16.8	50.6	0.70	3660	0.29	0.04	7.1	2.5	530
K289717		3.83	15.60	0.13	1.1	0.120	1.88	27.0	72.9	0.89	1590	0.31	0.02	7.1	4.0	580
K289718		5.10	12.55	0.13	0.8	0.905	2.73	23.2	19.7	1.34	7330	0.44	0.01	5.7	2.2	470

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VANCOUVER BC V6B 1L8

Finalized Date: 19-AUG-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15119620

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
K289683		15.1	99.4	<0.002	0.09	6.55	11.5	1	1.5	267	0.56	<0.05	11.7	0.281	1.37	3.6
K289684		1380	174.5	0.002	4.82	67.6	9.7	2	7.9	96.6	0.52	1.15	11.4	0.217	2.58	5.5
K289685		15.1	89.8	<0.002	0.05	12.20	12.0	<1	1.6	181.5	0.66	<0.05	12.0	0.299	1.30	3.7
K289686		17.2	96.1	0.002	0.04	11.90	11.4	<1	1.7	161.0	0.79	<0.05	12.1	0.282	1.28	5.2
K289687		75.0	104.5	<0.002	0.09	8.07	11.4	1	1.7	262	0.78	<0.05	12.4	0.274	1.41	5.3
K289688		37.4	145.5	<0.002	0.34	17.65	10.3	1	1.3	233	0.64	<0.05	11.1	0.228	2.01	5.5
K289689		1.5	1.5	<0.002	<0.01	0.11	0.2	<1	<0.2	45.0	<0.05	<0.05	0.2	<0.005	0.03	0.8
K289690		17.1	106.5	<0.002	0.01	3.23	12.3	<1	1.5	431	0.72	<0.05	13.0	0.298	0.97	4.8
K289691		18.8	97.0	<0.002	0.02	3.07	12.3	<1	1.4	429	0.59	<0.05	11.7	0.296	0.95	3.9
K289692		13.1	108.5	<0.002	0.10	12.65	11.3	<1	1.6	172.5	0.59	<0.05	11.8	0.286	1.43	3.2
K289693		13.4	95.1	<0.002	0.13	13.35	11.0	1	1.7	170.5	0.57	<0.05	10.6	0.281	1.47	3.0
K289694		58.5	152.0	<0.002	0.49	14.35	9.0	<1	4.6	113.5	0.81	<0.05	18.8	0.223	2.16	7.0
K289695		271	154.0	<0.002	2.13	27.0	10.0	1	3.5	114.0	0.52	<0.05	10.7	0.238	3.15	6.2
K289696		996	189.0	<0.002	4.65	34.7	10.2	<1	3.3	41.0	0.48	0.05	10.1	0.231	2.42	3.9
K289697		1115	207	<0.002	5.39	21.3	11.3	<1	5.3	58.2	0.57	0.07	12.7	0.264	2.70	4.5
K289698		122.0	105.0	<0.002	0.20	19.10	7.8	1	1.3	489	0.69	<0.05	8.3	0.396	2.36	7.0
K289699		11.7	97.2	<0.002	0.03	24.4	7.7	1	1.1	457	0.71	<0.05	8.1	0.401	2.29	7.5
K289700		370	79.3	<0.002	0.62	35.5	4.6	<1	1.7	303	0.50	<0.05	7.3	0.191	1.79	17.5
K289701		2.1	1.2	<0.002	<0.01	0.15	0.2	<1	<0.2	45.4	<0.05	<0.05	<0.2	<0.005	0.03	0.5
K289702		136.5	147.0	<0.002	0.52	14.70	10.9	<1	1.6	171.0	0.54	0.08	11.6	0.268	2.25	4.6
K289703		120.0	144.0	<0.002	0.47	14.40	11.1	<1	2.1	170.5	0.55	<0.05	12.3	0.272	2.22	4.4
K289704		23.8	73.0	<0.002	0.07	14.15	12.4	<1	1.6	158.0	0.62	<0.05	10.4	0.309	1.26	4.8
K289705		1070	184.5	<0.002	1.72	23.7	9.0	<1	6.5	112.0	0.56	<0.05	13.0	0.229	2.47	4.8
K289706		20.2	114.5	<0.002	0.06	7.09	10.1	<1	1.5	209	0.70	<0.05	16.6	0.273	1.55	5.3
K289707		114.0	104.0	<0.002	0.49	27.7	8.3	<1	1.6	141.0	0.53	<0.05	12.9	0.207	1.34	5.3
K289708		26.2	87.2	<0.002	0.17	21.3	9.6	<1	1.4	153.0	0.62	<0.05	14.4	0.248	1.40	2.9
K289709		505	159.0	0.005	2.72	30.1	9.3	1	5.5	106.5	0.50	0.30	11.1	0.205	2.49	5.2
K289710		20.1	113.0	<0.002	0.23	22.7	9.0	<1	1.5	186.5	0.48	<0.05	15.0	0.228	1.60	3.4
K289711		265	193.0	<0.002	2.01	71.3	7.2	1	2.2	103.5	0.36	<0.05	11.6	0.178	2.39	3.9
K289712		63.9	112.0	<0.002	0.20	18.10	8.8	<1	1.2	186.5	0.46	<0.05	14.6	0.222	1.92	8.2
K289713		638	102.5	0.002	3.36	73.0	5.0	1	5.9	110.5	0.23	<0.05	7.3	0.104	1.13	4.9
K289714		20.0	120.5	<0.002	0.06	17.55	10.1	1	1.4	125.0	0.57	<0.05	14.6	0.266	1.26	4.0
K289715		294	192.0	<0.002	1.09	19.10	9.1	<1	3.0	83.6	0.46	<0.05	14.8	0.226	2.20	3.5
K289716		277	122.5	<0.002	0.83	27.6	9.4	1	2.2	163.0	0.51	<0.05	11.8	0.240	2.20	5.8
K289717		52.7	95.4	<0.002	0.70	17.35	9.6	1	4.5	250	0.58	<0.05	11.5	0.246	1.79	6.2
K289718		749	200	<0.002	0.79	43.5	9.7	1	2.8	158.0	0.39	<0.05	8.4	0.210	2.25	4.7

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 19-AUG-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15119620

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	V	W	Y	Zn	Zr
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	1	0.1	0.1	2	0.5
K289683		80	3.0	14.5	65	32.4
K289684		64	6.0	11.7	2470	30.4
K289685		85	5.7	14.8	63	34.9
K289686		81	7.4	15.9	60	35.9
K289687		79	4.3	15.8	112	36.9
K289688		69	4.4	16.6	116	30.0
K289689		2	0.1	0.8	15	0.6
K289690		88	3.1	16.7	59	31.7
K289691		84	1.1	16.2	65	35.8
K289692		79	2.9	13.7	63	32.2
K289693		78	2.8	13.0	65	31.6
K289694		63	2.3	12.7	105	31.1
K289695		80	3.8	13.4	632	24.8
K289696		71	5.0	8.2	1500	23.1
K289697		69	7.4	9.4	2180	27.5
K289698		77	3.2	13.8	332	175.0
K289699		79	2.9	16.2	123	180.5
K289700		43	3.4	11.6	986	71.3
K289701		2	0.1	0.8	18	0.7
K289702		75	4.1	14.8	190	32.3
K289703		76	3.8	14.5	187	31.5
K289704		86	7.6	14.2	72	35.6
K289705		61	3.6	12.2	6370	40.8
K289706		71	2.2	14.3	60	48.2
K289707		58	6.2	14.9	127	35.4
K289708		66	6.1	13.0	73	38.8
K289709		67	5.4	12.0	875	30.3
K289710		61	5.0	13.4	70	36.9
K289711		55	4.8	11.9	970	29.4
K289712		63	3.0	13.8	109	34.6
K289713		39	3.3	11.4	4810	18.2
K289714		70	6.6	12.9	53	40.4
K289715		64	3.5	10.6	575	32.9
K289716		67	3.4	12.6	1360	37.4
K289717		74	4.9	15.8	220	35.5
K289718		66	2.6	15.2	2410	19.4

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: Klaza

Finalized Date: 19-AUG-2015
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH15119620

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	ME-MS61

ALS Canada Ltd.

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 21-AUG-2015
Account: ROCKHA

CERTIFICATE WH15120427

Project: Klaza

This report is for 14 Rock samples submitted to our lab in Whitehorse, YT, Canada on 11-AUG-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
BAG-06	Double Bagging Coarse Rejects
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test

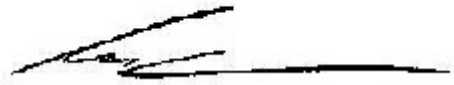
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 21-AUG-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15120427

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
N832470		1.21	<0.005	0.06	6.32	8.3	1120	1.59	0.03	0.77	0.05	1.98	2.8	8	0.63	18.8
N832471		1.20	<0.005	0.04	6.78	23.0	1550	1.25	0.03	0.63	0.04	1.67	0.8	7	0.69	27.3
N832472		1.38	<0.005	0.05	6.55	7.3	2980	0.49	0.04	0.12	0.05	2.72	1.6	7	1.14	8.4
N832473		1.25	<0.005	0.07	6.29	11.0	2050	0.52	0.08	0.08	0.03	3.93	2.1	7	0.98	9.4
N832474		1.37	<0.005	0.09	2.07	18.6	310	0.90	0.05	0.08	0.13	12.20	3.9	65	3.87	12.0
N832475		1.92	<0.005	0.06	6.30	6.4	1250	1.11	0.02	0.51	0.02	9.81	2.2	9	0.78	17.5
N832476		1.18	<0.005	0.02	7.02	0.8	580	1.27	0.01	0.60	0.03	8.90	1.0	10	1.07	1.2
N832477		0.95	0.072	0.42	0.25	42.9	70	0.16	1.39	0.03	0.05	0.86	2.3	21	0.48	22.8
N832478		1.70	0.007	0.19	6.98	22.0	740	0.91	0.46	4.84	0.19	40.5	7.6	5	2.72	15.5
N832479		1.39	0.650	0.76	3.65	317	5350	1.31	10.55	6.06	0.27	20.3	8.0	4	2.87	87.3
N832480		1.51	<0.005	0.04	2.91	6.2	1700	0.59	0.23	22.2	2.87	22.5	17.2	10	4.01	2.8
N832481		1.31	<0.005	0.06	6.75	64.2	340	1.38	0.33	0.19	0.13	52.8	4.6	4	5.78	3.0
N832482		1.09	<0.005	0.08	6.14	15.0	360	1.97	0.45	0.66	0.18	21.7	3.3	3	5.76	2.3
N832483		1.60	0.031	0.42	4.39	93.6	600	0.69	0.19	0.08	0.11	48.0	1.4	6	7.33	2.2

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 21-AUG-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15120427

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
N832470		0.55	15.80	0.35	0.7	0.005	1.77	1.0	6.0	0.02	45	0.41	3.48	1.9	1.0	20
N832471		0.86	16.55	0.35	0.9	<0.005	3.89	0.9	4.2	0.01	45	0.27	3.02	0.7	0.3	30
N832472		0.54	11.60	0.30	0.3	<0.005	5.01	1.4	16.0	0.05	151	0.53	1.47	0.9	1.6	50
N832473		0.62	12.00	0.25	0.4	<0.005	3.96	2.0	14.7	0.05	209	0.51	1.62	1.1	1.2	50
N832474		1.70	4.98	0.31	0.2	0.020	0.74	6.4	56.3	0.07	143	8.97	0.29	2.2	16.3	270
N832475		0.64	15.35	0.24	0.9	0.006	2.65	4.7	4.1	0.02	75	0.22	3.20	2.2	1.1	60
N832476		0.50	16.40	0.23	1.0	<0.005	1.36	4.2	3.2	0.04	65	0.13	4.39	2.8	1.0	110
N832477		1.14	1.92	0.40	<0.1	0.008	0.09	<0.5	3.0	0.01	57	1.36	0.03	0.1	2.4	10
N832478		3.97	17.30	0.22	0.6	0.063	1.73	19.1	4.6	1.10	1020	0.28	3.68	8.1	1.7	1560
N832479		6.98	10.55	0.35	0.3	0.038	0.84	10.2	28.0	0.51	1350	1.88	1.05	3.5	2.4	680
N832480		3.93	6.71	0.24	0.9	0.020	0.45	20.7	15.8	0.31	2120	0.28	0.43	2.7	9.4	180
N832481		1.11	15.40	0.27	2.1	0.018	1.97	26.7	112.5	0.12	794	0.53	0.11	10.3	3.8	230
N832482		1.78	14.95	0.22	2.0	0.027	2.33	10.2	98.7	0.07	925	0.25	0.06	17.6	1.1	210
N832483		0.64	10.25	0.27	1.4	0.022	1.99	31.0	31.3	0.17	385	0.53	0.07	7.4	0.6	150

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Finalized Date: 21-AUG-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15120427

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
N832470		17.5	36.4	<0.002	0.07	2.51	1.1	1	0.2	269	0.28	<0.05	1.0	0.024	0.17	1.5
N832471		28.7	76.4	<0.002	0.02	0.45	0.6	1	<0.2	226	0.06	<0.05	0.5	0.015	0.36	0.4
N832472		16.1	107.0	<0.002	0.03	7.51	0.7	<1	<0.2	227	0.12	<0.05	0.5	0.017	0.46	0.3
N832473		14.0	84.4	<0.002	0.08	8.27	0.7	<1	<0.2	186.5	0.18	<0.05	0.8	0.018	0.41	0.3
N832474		6.6	33.2	<0.002	0.01	59.7	3.9	<1	0.6	106.5	0.14	<0.05	1.8	0.090	0.34	0.7
N832475		17.7	55.2	<0.002	0.05	0.68	1.3	<1	0.3	213	0.19	<0.05	2.2	0.041	0.25	0.5
N832476		12.2	33.9	<0.002	<0.01	0.42	2.7	<1	0.5	287	0.25	<0.05	2.0	0.061	0.18	0.6
N832477		14.3	2.9	<0.002	0.01	9.26	0.3	1	<0.2	4.5	<0.05	1.55	<0.2	<0.005	0.02	0.3
N832478		7.5	58.6	<0.002	0.32	5.96	13.6	1	1.8	402	0.48	0.07	3.7	0.343	0.36	1.5
N832479		16.0	26.9	<0.002	0.32	33.6	7.3	3	1.1	320	0.23	0.72	1.7	0.148	0.27	3.1
N832480		89.3	20.4	<0.002	0.02	1.45	6.3	<1	0.5	213	0.21	<0.05	4.2	0.128	0.21	2.6
N832481		29.9	73.4	<0.002	<0.01	5.73	2.1	<1	0.9	270	0.92	<0.05	20.1	0.102	0.81	1.4
N832482		36.7	99.2	<0.002	<0.01	12.70	4.7	1	2.3	211	1.90	<0.05	19.0	0.060	1.45	4.5
N832483		26.8	96.0	<0.002	<0.01	25.6	1.9	<1	0.7	68.9	0.58	<0.05	7.5	0.042	1.88	2.4

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

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Finalized Date: 21-AUG-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15120427

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	V	W	Y	Zn	Zr
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	1	0.1	0.1	2	0.5
N832470		4	0.1	2.9	6	19.2
N832471		3	<0.1	1.1	3	22.6
N832472		6	0.7	2.2	9	8.0
N832473		6	0.6	1.5	9	12.3
N832474		41	0.6	4.4	53	6.0
N832475		7	0.1	3.2	9	21.7
N832476		9	0.1	3.3	8	30.6
N832477		8	1.7	0.4	3	0.8
N832478		97	4.2	24.4	54	9.5
N832479		66	9.9	19.9	81	5.8
N832480		50	0.4	16.9	320	33.0
N832481		13	1.7	5.2	36	59.0
N832482		24	1.2	13.4	64	46.8
N832483		5	0.4	7.6	45	43.0

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: Klaza

Finalized Date: 21-AUG-2015
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH15120427

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

BAG-06	CRU-31	CRU-QC	LOG-21
PUL-31	PUL-QC	SPL-21	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	ME-MS61

ALS Canada Ltd.

2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 22-AUG-2015
Account: ROCKHA

CERTIFICATE WH15121079

Project: Klaza

P.O. No.: BATCH 112

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 12-AUG-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21d	Sample logging - ClientBarCode Dup
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
BAG-06	Double Bagging Coarse Rejects
SPL-21d	Split sample - duplicate
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31d	Pulverize Split - duplicate

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
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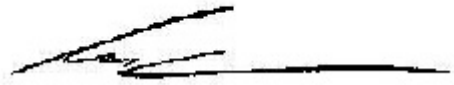
This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15121079

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
K290003		3.11	0.036	0.60	6.60	258	2230	1.71	0.42	2.60	0.14	40.6	5.3	10	18.35	4.1
K290004		1.20	0.047	1.50	6.11	120.0	270	1.54	0.49	2.17	0.15	40.9	13.1	7	20.1	6.0
K290005		3.28	<0.005	0.11	7.23	9.5	2020	1.41	0.25	1.34	0.10	36.1	4.3	8	16.60	3.8
K290006		4.91	<0.005	0.23	6.89	27.8	2100	1.46	0.30	1.70	0.16	44.3	5.2	9	18.55	5.5
K290007		1.11	1.825	16.80	4.55	5700	230	1.10	5.45	2.09	32.3	35.6	6.6	14	11.35	35.2
K290008		0.35	0.929	11.30	6.33	1510	1010	1.33	12.25	1.85	31.7	45.6	18.7	18	14.15	281
K290009		1.46	0.015	0.59	6.73	141.5	330	1.55	0.27	1.37	0.37	48.7	4.1	7	24.5	7.4
K290010		1.31	4.05	6.94	3.37	9050	210	1.22	1.01	2.30	47.8	19.40	5.0	5	17.15	39.7
K290011		4.81	<0.005	0.02	0.06	10.6	20	0.06	0.02	20.1	0.13	1.09	0.9	1	0.33	2.4
K290012		1.77	1.290	3.84	3.63	2490	540	0.94	0.21	2.26	8.94	29.3	4.2	5	13.85	15.2
K290013		2.06	0.011	0.50	6.10	28.6	1000	1.81	0.56	2.19	0.22	33.9	4.6	6	33.0	24.8
K290014		5.71	<0.005	0.09	7.38	10.1	1560	1.58	0.33	1.98	0.07	48.1	3.4	9	17.10	8.9
K290015		4.84	<0.005	0.09	7.45	6.0	2570	1.57	0.26	1.89	0.08	51.4	3.7	12	9.57	5.9
K290016		<0.02	0.005	0.09	7.55	6.0	2540	1.55	0.30	1.87	0.10	52.3	3.8	10	9.54	5.7
K290017		2.90	0.012	0.12	7.21	10.8	3540	1.48	0.27	2.02	0.09	55.0	8.1	10	9.18	12.6
K290018		3.85	0.006	0.19	6.97	20.5	3230	1.62	0.24	2.46	0.15	38.1	4.8	9	13.90	7.6
K290019		1.84	5.59	77.0	5.23	7140	1810	1.53	0.31	1.49	101.0	35.8	6.4	7	15.10	183.0
K290020		5.57	0.005	0.15	0.08	7.0	40	0.05	0.02	20.8	0.21	1.39	1.0	1	0.22	3.1
K290021		3.50	0.261	39.2	7.25	209	1570	1.47	0.21	1.74	10.85	55.6	17.1	8	19.40	28.8
K290022		2.69	<0.005	0.23	7.27	5.6	2280	1.61	0.16	2.64	0.15	46.5	5.9	12	15.15	9.2
K290023		1.33	0.007	0.35	6.81	35.7	2140	1.50	0.37	3.33	0.70	51.0	10.0	18	13.20	9.4
K290024		6.44	<0.005	0.11	7.15	5.8	2120	1.60	0.21	2.29	0.11	46.6	5.9	12	14.80	9.7
K290025		3.68	0.006	0.32	6.93	23.5	2000	1.65	0.35	3.64	0.64	51.7	12.7	15	13.00	8.5
K290026		2.17	<0.005	0.07	7.57	6.8	2220	1.75	0.19	2.26	0.12	50.4	6.2	10	20.5	7.5
K290027		1.80	<0.005	0.57	7.82	41.3	2300	1.82	0.44	2.22	0.64	52.7	9.4	10	16.75	22.1
K290028		0.35	0.372	4.32	6.82	725	790	1.43	3.53	2.14	10.75	50.0	13.2	25	14.25	322
K290029		1.46	0.010	1.46	8.01	74.9	1730	1.61	0.52	1.49	1.27	44.2	8.0	10	21.6	19.2
K290030		0.69	0.381	17.60	6.02	5620	1670	1.33	0.82	3.13	4.33	44.9	6.5	7	15.75	249
K290031		1.86	0.014	0.60	6.46	125.0	2140	1.66	0.72	2.12	0.39	37.9	10.0	9	23.7	30.0
K290032		3.81	0.010	0.30	7.47	18.0	2260	1.67	0.66	2.08	0.35	49.1	8.2	10	19.40	18.2
K290033		1.98	<0.005	0.28	7.93	11.7	2270	1.60	0.64	1.95	0.33	53.8	8.7	10	19.25	19.2
K290034		5.61	<0.005	0.27	7.95	13.2	2150	1.71	0.63	1.93	0.35	56.1	10.2	12	19.30	14.6
K290035		1.56	0.006	0.70	6.29	20.5	3010	1.71	0.55	2.01	0.53	29.5	6.8	9	26.8	19.8
K290036		1.95	0.008	0.32	6.76	15.4	1890	1.61	1.17	2.34	0.21	41.0	8.5	9	16.25	26.2
K290037		1.35	<0.005	0.20	7.75	8.4	3610	1.58	0.74	1.07	0.10	53.0	18.7	8	10.30	2.8
K290038		0.86	0.026	0.26	6.91	24.5	3040	1.31	0.88	1.16	0.15	51.3	21.0	8	10.90	3.0

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Finalized Date: 22-AUG-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15121079

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
K290003		3.08	14.85	0.11	0.9	0.093	3.12	21.0	71.2	0.87	1080	0.82	0.06	7.2	2.7	550
K290004		5.34	14.65	0.09	0.8	0.119	2.82	21.3	25.3	0.75	1640	0.55	0.03	6.3	4.6	500
K290005		2.83	16.65	0.15	1.2	0.050	3.32	17.4	55.2	0.51	706	1.10	0.10	9.0	1.9	610
K290006		2.73	15.40	0.18	1.1	0.051	3.24	23.1	168.5	0.65	1350	2.43	0.07	7.7	2.0	560
K290007		4.43	10.70	0.10	0.7	0.082	2.11	17.7	45.8	0.75	3880	22.4	0.02	4.8	3.1	340
K290008		6.51	14.95	0.11	1.1	0.786	2.83	24.6	19.7	0.78	1840	8.69	0.13	6.4	12.5	520
K290009		1.93	15.70	0.18	1.1	0.049	2.91	25.8	44.8	0.55	1640	5.84	0.02	7.7	2.1	510
K290010		4.26	8.20	0.05	0.5	0.188	1.41	10.1	47.1	0.70	5670	78.7	0.02	3.6	3.0	210
K290011		0.46	0.32	0.15	<0.1	<0.005	0.03	0.5	1.4	12.75	212	0.27	<0.01	0.1	1.3	170
K290012		2.69	8.66	<0.05	0.7	0.050	1.52	16.2	56.7	0.84	2500	43.8	0.06	3.9	2.1	260
K290013		2.61	14.90	0.08	1.1	0.097	2.59	16.3	100.0	0.53	892	1.74	0.16	7.7	2.0	540
K290014		3.26	16.15	0.17	1.0	0.085	2.86	25.6	119.0	0.57	702	1.20	1.60	8.2	4.7	600
K290015		3.38	16.55	0.20	1.1	0.069	3.38	27.2	15.9	0.80	585	1.30	1.88	8.7	2.6	590
K290016		3.41	16.60	0.22	1.2	0.069	3.35	28.5	15.9	0.80	572	1.11	1.86	8.3	2.5	600
K290017		3.35	15.85	0.21	1.0	0.095	3.85	29.2	15.9	0.65	775	1.95	1.67	7.9	1.8	560
K290018		3.01	15.25	0.21	1.0	0.067	3.20	20.0	157.5	0.75	1000	0.81	0.90	8.2	2.5	550
K290019		5.51	12.10	0.12	0.8	0.262	2.20	20.2	35.9	0.50	1780	3.92	0.03	5.5	2.1	360
K290020		0.47	0.35	0.11	<0.1	<0.005	0.04	0.7	1.7	13.30	203	0.13	0.01	0.2	1.5	200
K290021		3.10	15.30	0.10	1.3	0.056	3.49	31.1	83.3	0.77	1620	2.24	0.10	7.7	2.4	560
K290022		2.90	16.60	0.19	1.3	0.053	2.79	23.2	15.3	0.75	591	1.27	2.33	8.4	2.5	580
K290023		3.45	17.10	0.17	1.9	0.078	3.19	26.0	60.7	1.10	1140	1.84	0.42	7.5	7.8	680
K290024		2.79	16.05	0.24	1.2	0.055	3.00	23.8	96.5	0.74	608	1.12	1.76	8.3	2.6	580
K290025		3.92	16.20	0.18	1.5	0.097	3.26	28.7	97.7	1.31	1910	3.81	0.06	7.2	4.7	600
K290026		3.15	16.95	0.22	1.3	0.059	2.99	25.9	46.7	0.66	544	0.98	1.97	9.4	2.7	630
K290027		3.02	17.20	0.25	1.2	0.048	2.99	28.8	16.0	0.62	1120	1.70	2.24	9.4	2.8	610
K290028		5.22	15.60	0.14	1.1	0.314	3.09	28.5	27.0	0.83	2020	14.85	0.16	6.4	14.7	530
K290029		2.72	17.95	0.19	1.2	0.058	3.68	22.2	72.8	0.18	1540	1.77	0.17	9.5	2.5	630
K290030		3.70	13.25	0.19	0.9	0.110	2.94	25.0	24.5	0.76	4740	3.96	0.04	6.3	2.0	460
K290031		2.86	15.90	0.22	1.0	0.076	3.02	18.2	46.5	0.38	1560	2.22	0.05	7.9	2.7	550
K290032		2.87	16.50	0.25	1.0	0.054	3.19	25.5	19.6	0.40	839	1.21	1.58	8.8	2.4	580
K290033		2.93	17.25	0.30	1.0	0.065	3.30	29.0	21.0	0.41	792	1.24	1.55	8.5	2.4	600
K290034		3.16	17.70	0.28	1.1	0.062	3.33	29.5	27.8	0.35	1040	2.04	1.10	9.4	2.7	660
K290035		3.04	16.45	0.26	1.0	0.072	2.63	15.0	100.5	0.16	956	3.06	0.06	8.4	2.6	550
K290036		3.32	15.50	0.24	0.9	0.159	3.35	19.9	29.2	0.57	965	0.78	1.13	8.0	2.6	560
K290037		3.82	16.40	0.29	0.9	0.256	2.83	29.9	16.2	0.54	1170	0.39	1.33	7.5	2.7	590
K290038		6.42	15.65	0.19	0.7	0.342	2.92	29.6	19.7	0.61	1550	0.81	0.42	6.0	2.3	470

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Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
K290003		15.3	127.0	<0.002	0.65	13.15	9.7	1	1.8	158.5	0.57	<0.05	11.8	0.234	2.47	4.6
K290004		20.1	151.0	<0.002	3.99	18.05	9.6	1	1.7	125.5	0.52	0.07	10.8	0.209	3.21	5.0
K290005		12.4	122.5	<0.002	0.06	10.60	11.3	1	1.9	147.5	0.67	<0.05	12.1	0.268	1.73	2.6
K290006		12.7	136.5	<0.002	0.28	14.00	10.5	1	1.7	168.0	0.60	<0.05	12.6	0.246	2.25	3.6
K290007		952	136.5	0.005	3.48	88.6	7.9	1	2.2	95.1	0.37	0.05	7.7	0.166	2.10	5.1
K290008		1285	163.5	0.002	4.67	62.5	9.7	2	7.2	96.5	0.51	1.22	11.9	0.211	2.48	5.2
K290009		27.2	162.5	0.003	0.37	25.1	10.0	1	1.9	203	0.60	<0.05	13.1	0.237	3.26	7.4
K290010		537	89.8	0.006	3.36	135.5	4.8	1	3.7	63.1	0.27	<0.05	5.3	0.110	1.67	16.9
K290011		2.4	1.8	<0.002	0.01	0.32	0.2	<1	<0.2	46.0	<0.05	<0.05	<0.2	<0.005	0.02	0.8
K290012		369	93.4	0.005	1.79	86.0	5.2	<1	3.6	141.0	0.32	<0.05	7.7	0.128	1.73	16.5
K290013		24.5	98.5	<0.002	0.30	14.20	9.2	1	1.7	221	0.63	<0.05	10.2	0.239	2.55	4.4
K290014		13.0	117.5	<0.002	0.10	7.49	10.5	1	2.1	298	0.65	<0.05	13.8	0.261	1.80	2.4
K290015		18.0	136.0	<0.002	0.02	3.25	10.5	1	1.9	318	0.67	<0.05	15.8	0.256	1.48	4.0
K290016		16.8	141.5	<0.002	0.01	3.20	10.7	1	1.9	316	0.66	<0.05	15.5	0.250	1.45	4.0
K290017		15.5	152.0	<0.002	0.17	3.98	9.9	1	1.9	281	0.64	<0.05	13.6	0.251	1.76	3.9
K290018		13.7	132.5	<0.002	0.28	11.85	9.9	1	1.7	260	0.62	<0.05	13.0	0.244	1.88	3.6
K290019		6250	121.5	<0.002	5.69	137.0	7.1	1	6.4	124.0	0.45	0.09	9.6	0.174	1.95	5.8
K290020		10.5	1.5	<0.002	0.01	0.27	0.2	<1	<0.2	48.3	<0.05	<0.05	<0.2	<0.005	<0.02	0.8
K290021		900	169.5	<0.002	1.11	37.2	9.6	1	2.6	172.0	0.63	0.07	15.1	0.241	2.49	7.7
K290022		19.5	105.5	<0.002	0.02	2.34	10.3	1	1.6	411	0.65	<0.05	12.6	0.257	1.23	4.1
K290023		29.9	146.0	<0.002	0.62	3.69	9.7	1	1.6	236	0.53	0.09	9.6	0.263	2.30	4.6
K290024		15.8	121.0	<0.002	0.08	5.25	10.2	1	1.7	354	0.65	<0.05	13.6	0.254	1.46	4.2
K290025		33.5	178.5	<0.002	0.68	7.00	10.0	1	1.7	149.0	0.54	0.06	11.8	0.249	2.52	7.3
K290026		17.5	121.0	<0.002	0.04	5.71	11.3	1	1.8	373	0.70	<0.05	14.8	0.273	1.34	3.9
K290027		63.1	135.5	<0.002	<0.01	4.60	11.6	1	2.2	343	0.72	<0.05	15.4	0.273	1.56	2.1
K290028		489	170.5	0.004	2.82	29.4	9.6	1	5.3	112.5	0.50	0.31	12.5	0.214	2.52	5.3
K290029		101.5	169.5	<0.002	0.23	22.0	11.5	1	1.9	100.5	0.73	<0.05	14.0	0.277	2.40	2.8
K290030		526	216	<0.002	1.16	170.0	8.6	1	2.0	103.0	0.52	<0.05	11.3	0.200	2.79	4.6
K290031		55.7	132.5	<0.002	0.20	24.4	9.1	1	1.7	182.5	0.64	<0.05	10.9	0.247	2.82	3.1
K290032		37.4	138.0	<0.002	0.01	12.65	10.5	1	1.7	244	0.66	<0.05	14.4	0.252	1.76	2.1
K290033		35.5	155.0	<0.002	0.01	12.65	10.9	1	1.9	241	0.66	<0.05	15.2	0.265	1.86	2.4
K290034		36.3	146.5	<0.002	0.02	11.45	11.6	1	1.8	183.5	0.69	<0.05	15.2	0.280	1.92	2.6
K290035		23.4	114.0	<0.002	0.06	18.15	9.3	1	1.6	128.0	0.65	<0.05	10.1	0.253	1.89	2.5
K290036		18.7	136.5	<0.002	0.04	10.20	9.9	1	1.5	157.0	0.64	<0.05	12.6	0.238	2.05	2.2
K290037		8.9	147.0	<0.002	0.26	8.92	10.8	1	1.4	114.5	0.57	<0.05	14.9	0.240	1.77	2.3
K290038		12.4	148.0	<0.002	0.86	12.00	9.6	1	2.8	70.1	0.44	<0.05	11.1	0.190	1.79	3.2

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
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Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 22-AUG-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15121079

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	V	W	Y	Zn	Zr
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	1	0.1	0.1	2	0.5
K290003		63	2.2	11.8	50	27.3
K290004		67	2.6	13.1	44	23.7
K290005		70	3.1	13.1	54	35.7
K290006		65	2.5	13.3	58	33.7
K290007		48	2.6	10.4	2170	21.1
K290008		60	5.8	11.9	2440	32.5
K290009		63	3.8	13.2	49	33.3
K290010		31	1.9	8.4	2970	15.0
K290011		2	0.1	0.8	20	<0.5
K290012		36	2.4	8.3	582	19.5
K290013		65	2.4	12.4	59	31.9
K290014		66	2.2	14.8	59	28.9
K290015		69	2.1	16.0	61	31.3
K290016		67	2.0	16.1	59	32.8
K290017		65	3.9	14.6	54	29.1
K290018		60	2.1	13.4	62	29.3
K290019		44	3.5	9.5	9420	22.5
K290020		2	0.1	0.8	31	<0.5
K290021		64	2.9	14.5	1540	36.7
K290022		68	1.2	16.5	52	36.7
K290023		68	1.3	14.2	107	65.1
K290024		66	1.6	15.8	49	35.2
K290025		70	4.6	15.2	110	53.4
K290026		73	2.7	16.2	48	37.0
K290027		73	2.2	19.3	147	30.6
K290028		68	5.5	12.4	930	32.2
K290029		75	4.5	15.1	230	33.1
K290030		55	7.9	15.2	423	24.5
K290031		68	4.7	12.2	90	28.4
K290032		68	2.8	16.0	88	28.6
K290033		69	2.6	16.6	85	28.6
K290034		76	2.9	17.5	92	31.0
K290035		70	4.2	12.9	111	28.4
K290036		64	2.8	12.4	76	27.5
K290037		66	3.5	16.0	61	26.1
K290038		77	45.0	16.3	66	19.2

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: Klaza

Finalized Date: 22-AUG-2015
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH15121079

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	ME-MS61

ALS Canada Ltd.

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 24-AUG-2015
Account: ROCKHA

CERTIFICATE WH15121082

Project: Klaza

P.O. No.: BATCH 113

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 12-AUG-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21d	Sample logging - ClientBarCode Dup
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
BAG-06	Double Bagging Coarse Rejects
SPL-21d	Split sample - duplicate
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31d	Pulverize Split - duplicate

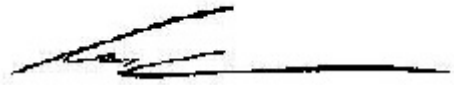
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.

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VANCOUVER BC V6B 1L8

Finalized Date: 24-AUG-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15121082

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
K289719		3.46	0.005	1.48	7.42	132.0	1190	1.53	0.84	4.00	6.43	53.4	9.4	9	25.7	28.5
K289720		5.86	0.009	0.65	8.72	96.8	3640	1.61	0.85	0.39	2.87	56.3	9.8	10	25.5	24.9
K289721		4.41	<0.005	0.07	7.60	3.5	2070	1.71	0.12	3.11	0.12	48.2	9.6	13	11.45	8.4
K289722		1.28	0.238	3.16	6.00	127.0	1180	1.50	5.60	4.02	4.49	38.7	11.1	7	17.40	19.3
K289723		5.06	<0.005	0.02	0.07	<0.2	20	0.05	0.03	21.0	0.07	1.35	1.1	2	0.22	3.6
K289724		3.40	<0.005	0.11	7.14	10.8	1780	1.41	0.12	3.10	0.13	44.1	9.2	12	14.45	11.7
K289725		3.03	<0.005	0.05	6.87	1.3	2120	1.45	0.07	3.10	0.06	39.9	9.5	14	5.95	7.7
K289726		5.67	<0.005	0.19	6.62	17.7	1730	1.56	0.21	3.19	0.59	42.9	7.9	9	20.1	16.0
K289727		4.04	<0.005	0.08	7.06	1.7	1910	1.65	0.19	3.02	0.11	47.4	9.3	13	9.45	19.9
K289728		2.38	<0.005	0.07	7.38	2.9	1940	1.71	0.15	2.93	0.11	49.9	8.8	12	8.79	14.6
K289729		5.82	<0.005	0.09	7.26	10.6	1420	1.57	0.07	2.45	0.19	39.7	8.4	10	26.2	12.0
K289730		4.60	0.008	0.20	6.60	42.5	510	1.48	0.10	3.19	0.64	45.3	8.5	8	26.4	10.2
K289731		5.61	<0.005	0.01	0.09	<0.2	20	0.06	0.02	20.7	0.06	1.27	0.9	1	0.27	2.2
K289732		9.05	<0.005	0.12	7.13	2.9	1960	1.45	0.29	2.72	0.14	45.2	8.2	11	18.30	21.1
K289733		0.36	0.877	10.65	6.40	1550	890	1.49	12.60	1.87	31.4	46.4	17.3	18	13.80	285
K289734		2.55	<0.005	4.74	8.10	13.9	1630	1.79	1.09	1.13	0.21	49.5	10.8	9	19.15	13.8
K289735		1.78	0.038	3.77	5.58	139.0	480	1.16	11.45	5.24	0.51	39.1	9.2	7	12.40	6.5
K289736		4.11	<0.005	0.23	6.70	23.4	360	1.46	0.76	2.86	0.28	38.3	7.1	9	12.75	6.2
K289737		7.68	0.007	1.49	6.88	97.9	570	1.54	4.51	3.50	0.53	47.9	8.9	8	27.8	8.7
K289738		3.48	<0.005	0.58	7.31	24.5	1390	1.76	1.24	2.67	0.18	53.3	6.9	9	19.05	20.1
K289739		3.69	0.011	2.97	6.21	238	1510	1.46	4.75	4.04	0.95	44.0	8.2	8	15.50	72.2
K289740		3.02	<0.005	0.50	7.20	1.7	2110	1.69	0.76	2.83	0.33	46.5	9.0	14	7.35	184.5
K289741		5.09	<0.005	0.08	7.12	3.2	1800	1.57	0.09	2.89	0.10	44.8	8.6	13	20.3	7.5
K289742		1.06	0.051	0.37	6.23	158.5	420	1.21	0.45	4.08	0.27	38.4	18.7	8	14.85	12.7
K289743		2.66	<0.005	0.08	7.35	2.3	2000	1.65	0.17	3.05	0.10	49.2	8.0	13	13.75	7.5
K289744		0.30	0.326	5.63	6.86	738	640	1.58	3.38	2.15	10.80	51.9	12.3	26	14.20	327
K289745		6.62	<0.005	0.09	7.24	2.2	2260	1.73	0.12	2.87	0.10	49.0	9.3	13	5.47	9.6
K289746		5.71	<0.005	0.07	7.13	14.1	2050	1.70	0.41	3.81	0.09	44.3	8.9	10	12.70	3.4
K289747		7.61	<0.005	0.06	7.55	11.3	580	1.39	0.47	4.34	0.10	44.0	7.0	5	12.00	2.6
K289748		<0.02	<0.005	0.05	7.74	10.3	580	1.44	0.41	4.40	0.10	44.3	6.9	6	12.20	2.7
K289749		6.80	<0.005	0.10	6.94	11.8	640	1.54	0.60	4.14	0.11	41.3	10.6	8	12.80	4.4
K289750		3.54	<0.005	0.08	7.46	6.1	1340	1.50	0.19	2.58	0.15	41.7	9.6	10	14.30	8.2
K289751		2.33	<0.005	0.14	6.39	17.3	390	1.27	0.12	4.38	0.24	47.6	8.0	8	15.70	6.9
K289752		5.86	<0.005	0.07	7.08	5.8	3790	1.76	0.22	3.42	0.11	41.6	9.0	11	12.25	6.3
K289753		1.90	<0.005	0.08	7.28	4.8	1880	2.10	0.09	2.72	0.06	40.7	8.1	10	39.2	8.0
K289754		5.75	<0.005	0.10	6.88	18.3	1500	1.61	0.13	3.73	0.35	42.3	7.9	8	29.3	6.6

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VANCOUVER BC V6B 1L8

Finalized Date: 24-AUG-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15121082

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
K289719		3.16	15.80	0.23	0.9	0.077	3.06	29.3	20.0	1.22	3600	1.43	0.05	7.5	2.8	640
K289720		3.63	19.15	0.23	1.5	0.065	2.71	30.6	33.9	0.28	1260	5.37	0.39	9.2	3.4	730
K289721		3.44	16.55	0.29	1.5	0.043	2.55	25.1	14.6	0.88	751	1.25	2.04	8.2	2.9	680
K289722		4.15	13.80	0.24	1.2	0.229	2.70	20.7	32.1	0.51	2390	3.60	0.06	6.4	2.5	500
K289723		0.48	0.38	0.15	<0.1	<0.005	0.03	0.7	1.3	13.30	216	0.21	0.01	0.2	1.5	200
K289724		3.21	16.40	0.19	1.5	0.042	2.63	21.6	27.7	0.76	796	1.84	1.67	8.2	2.6	650
K289725		3.27	16.35	0.24	1.4	0.039	2.30	18.8	12.5	0.93	741	1.31	2.26	8.1	2.8	660
K289726		3.42	15.30	0.26	1.1	0.086	2.62	21.5	28.6	0.98	1470	0.62	0.79	7.4	2.5	600
K289727		3.38	16.50	0.25	1.5	0.052	2.65	22.8	15.7	0.98	931	2.12	1.99	8.9	3.3	680
K289728		3.27	16.35	0.29	1.4	0.048	2.74	25.9	19.0	0.92	885	0.90	1.97	8.5	2.7	630
K289729		3.09	17.10	0.27	1.3	0.049	2.63	19.2	196.0	0.67	1460	0.49	0.12	8.3	2.6	680
K289730		3.03	15.20	0.15	1.1	0.049	2.40	22.9	126.5	1.16	1880	0.67	0.04	7.1	2.7	570
K289731		0.46	0.35	0.10	<0.1	<0.005	0.03	0.6	2.3	13.10	207	0.20	<0.01	0.2	1.5	210
K289732		3.18	16.30	0.14	1.2	0.038	2.44	21.9	30.4	0.78	644	1.20	1.76	8.1	2.7	670
K289733		6.59	14.70	0.09	1.0	0.768	2.87	23.7	19.8	0.79	1860	8.68	0.13	6.4	11.4	520
K289734		3.43	17.55	0.16	1.2	0.078	2.87	23.6	54.9	0.79	1090	1.32	0.11	9.1	2.7	790
K289735		4.01	13.20	0.10	1.2	0.203	2.70	20.7	13.5	1.05	3330	0.60	0.03	5.8	2.3	480
K289736		2.67	15.45	0.17	1.3	0.053	1.61	17.8	125.0	0.94	1340	0.73	0.03	7.8	2.3	610
K289737		3.13	14.45	0.17	1.3	0.070	2.60	25.3	55.4	1.19	2250	2.08	0.04	7.0	2.6	580
K289738		3.09	15.85	0.21	1.3	0.081	3.39	27.7	32.1	0.91	2060	0.97	0.08	8.0	2.4	620
K289739		2.97	13.50	0.16	1.1	0.084	3.17	22.1	15.3	1.06	4220	2.91	0.11	6.9	2.4	540
K289740		3.21	16.65	0.21	1.2	0.049	2.53	21.8	16.8	0.91	730	3.45	2.29	8.4	2.7	660
K289741		3.22	17.20	0.24	1.6	0.037	2.55	20.4	19.9	0.74	788	0.73	1.70	9.4	2.9	650
K289742		5.63	13.85	0.14	1.0	0.161	2.79	19.7	30.2	1.23	2580	0.58	0.21	6.3	3.0	500
K289743		3.14	16.40	0.20	1.3	0.038	2.66	24.3	14.0	0.87	788	0.64	2.20	8.2	2.6	650
K289744		5.33	15.70	0.14	1.1	0.310	3.12	28.1	28.2	0.83	2030	15.75	0.17	6.5	14.6	530
K289745		3.29	17.10	0.24	1.4	0.044	2.54	22.7	15.4	1.04	816	1.39	2.41	9.3	3.1	700
K289746		4.26	17.50	0.20	1.4	0.095	3.09	20.7	32.4	1.05	1980	0.33	0.70	8.1	2.6	670
K289747		4.31	17.05	0.19	1.9	0.103	3.36	19.8	54.3	1.15	2160	0.07	0.82	9.5	2.1	550
K289748		4.34	16.80	0.22	1.9	0.110	3.39	20.3	54.0	1.17	2190	0.07	0.84	9.5	2.1	560
K289749		3.50	18.45	0.24	1.5	0.087	3.64	18.7	31.8	1.02	1960	0.18	0.10	8.4	2.4	680
K289750		3.46	18.05	0.24	1.1	0.043	2.19	19.0	47.3	0.84	911	2.71	0.14	8.6	2.9	700
K289751		2.95	13.50	0.21	0.9	0.036	2.07	25.2	211	1.50	1340	1.32	0.05	6.3	2.9	530
K289752		3.14	16.50	0.26	1.2	0.040	2.06	19.0	22.4	0.89	960	1.00	2.01	8.3	2.9	690
K289753		3.19	17.20	0.25	1.5	0.037	2.87	18.4	15.9	0.70	743	1.16	2.02	10.3	2.7	660
K289754		3.26	16.55	0.26	1.1	0.034	2.73	19.6	51.5	0.88	1160	0.61	0.43	8.2	2.5	680

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 24-AUG-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15121082

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
K289719		363	158.5	<0.002	0.31	14.00	11.8	1	2.1	220	0.51	<0.05	12.2	0.279	2.79	4.2
K289720		35.2	141.5	<0.002	0.06	12.75	14.7	1	1.9	105.5	0.70	<0.05	15.4	0.314	1.93	5.5
K289721		18.5	102.0	<0.002	0.01	1.90	12.5	1	1.6	375	0.67	<0.05	13.1	0.298	1.02	3.9
K289722		166.5	141.5	<0.002	0.31	18.25	9.4	1	1.7	99.4	0.53	<0.05	10.8	0.231	2.18	6.9
K289723		1.4	1.6	<0.002	<0.01	0.13	0.2	<1	<0.2	48.3	<0.05	<0.05	<0.2	<0.005	0.02	0.7
K289724		16.8	93.5	<0.002	0.03	16.00	11.3	1	1.6	317	0.66	<0.05	11.8	0.296	1.15	3.3
K289725		15.2	70.3	<0.002	0.01	1.07	11.2	1	1.5	407	0.65	<0.05	9.6	0.287	0.85	2.8
K289726		61.8	104.5	<0.002	0.14	15.60	10.7	1	2.1	239	0.60	<0.05	12.2	0.261	1.52	6.9
K289727		17.8	103.5	<0.002	0.07	3.59	11.8	1	1.9	350	0.77	<0.05	13.1	0.290	1.22	4.8
K289728		20.7	112.0	<0.002	0.07	3.36	11.6	1	1.7	344	0.78	<0.05	14.2	0.280	1.18	4.7
K289729		15.4	93.6	<0.002	0.09	22.2	11.9	1	1.6	189.5	0.61	<0.05	11.0	0.304	1.52	2.5
K289730		49.3	110.5	<0.002	0.40	23.1	11.3	1	1.3	210	0.53	<0.05	10.9	0.259	2.65	4.3
K289731		1.4	1.5	<0.002	<0.01	0.15	0.2	<1	<0.2	48.2	<0.05	<0.05	<0.2	<0.005	<0.02	0.7
K289732		17.8	97.3	<0.002	0.02	4.67	11.9	1	1.5	425	0.63	<0.05	12.7	0.294	1.17	3.5
K289733		1295	165.5	<0.002	4.70	63.4	9.1	2	7.2	96.7	0.51	1.21	11.4	0.211	2.51	5.1
K289734		25.8	142.0	<0.002	0.11	8.77	14.9	1	2.2	236	0.62	<0.05	12.5	0.321	1.90	4.5
K289735		40.4	177.5	<0.002	1.31	13.15	8.9	1	3.4	138.5	0.46	1.21	9.5	0.213	2.31	6.3
K289736		18.6	57.0	<0.002	0.18	15.75	10.5	1	1.4	175.0	0.64	0.05	10.5	0.266	1.60	3.6
K289737		24.2	168.5	<0.002	0.30	28.4	10.9	1	1.4	137.5	0.59	0.22	13.2	0.258	2.09	4.3
K289738		13.2	215	<0.002	0.21	15.45	11.7	1	1.7	135.0	0.65	<0.05	14.5	0.271	2.90	5.2
K289739		52.2	186.0	<0.002	0.51	37.8	9.7	1	2.2	119.5	0.57	0.06	11.4	0.239	2.57	5.8
K289740		20.8	95.2	<0.002	0.03	1.18	12.4	1	1.8	409	0.65	<0.05	11.8	0.285	1.12	3.0
K289741		18.8	88.6	<0.002	0.03	4.23	11.8	1	1.4	360	0.76	<0.05	12.0	0.284	1.07	4.1
K289742		21.3	160.0	<0.002	3.04	11.20	10.0	1	2.4	168.5	0.51	<0.05	11.2	0.221	2.08	9.0
K289743		18.0	107.0	<0.002	0.02	2.45	11.9	1	1.4	394	0.68	<0.05	14.0	0.288	1.05	4.0
K289744		500	173.5	0.004	2.84	28.8	9.8	1	5.4	113.5	0.51	0.32	12.1	0.214	2.52	5.2
K289745		18.1	88.9	<0.002	0.02	1.08	13.0	1	1.5	443	0.76	<0.05	12.9	0.295	0.88	4.8
K289746		9.9	127.5	<0.002	0.68	7.84	11.4	1	1.7	174.0	0.64	<0.05	11.7	0.280	1.96	4.4
K289747		6.3	125.0	<0.002	0.70	17.85	9.5	1	2.5	126.0	1.08	<0.05	16.1	0.256	2.36	3.9
K289748		6.4	128.0	<0.002	0.68	18.25	9.5	1	2.5	128.5	1.08	<0.05	16.5	0.258	2.38	3.8
K289749		7.4	122.5	<0.002	0.33	21.3	10.9	1	2.3	110.5	0.66	<0.05	10.4	0.284	2.46	3.1
K289750		15.2	68.6	<0.002	0.06	15.65	12.9	1	1.6	167.5	0.63	<0.05	10.5	0.302	1.14	2.9
K289751		13.2	107.5	<0.002	0.25	24.8	10.4	1	1.2	193.0	0.47	<0.05	11.5	0.238	2.02	3.5
K289752		11.7	81.5	<0.002	0.21	5.35	12.0	1	1.5	346	0.61	<0.05	10.3	0.297	1.46	3.6
K289753		18.0	124.0	<0.002	0.03	2.26	12.2	1	1.6	423	0.96	<0.05	11.6	0.295	1.35	5.5
K289754		31.4	88.8	<0.002	0.10	5.42	11.2	1	1.7	303	0.63	<0.05	10.5	0.292	1.59	2.7

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 24-AUG-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15121082

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	V	W	Y	Zn	Zr
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	1	0.1	0.1	2	0.5
K289719		81	4.6	16.0	602	26.1
K289720		96	5.2	20.1	258	43.4
K289721		86	1.7	17.1	68	43.0
K289722		67	4.4	15.1	519	35.2
K289723		2	0.1	0.8	15	<0.5
K289724		85	1.6	15.3	64	42.6
K289725		85	0.9	15.5	56	40.4
K289726		75	3.7	14.3	124	33.7
K289727		85	4.7	16.8	63	41.5
K289728		80	3.9	17.2	60	40.0
K289729		88	4.2	14.5	76	39.1
K289730		78	2.9	14.4	110	30.6
K289731		2	0.1	0.8	15	<0.5
K289732		84	2.6	15.0	67	34.2
K289733		62	5.7	11.4	2450	31.4
K289734		97	5.8	14.8	125	35.4
K289735		67	4.4	19.7	136	28.1
K289736		72	3.8	12.7	107	38.2
K289737		73	4.0	13.9	135	35.8
K289738		77	3.9	16.1	81	38.7
K289739		69	3.6	14.6	180	30.8
K289740		83	2.5	16.5	67	34.1
K289741		83	1.5	16.1	62	42.8
K289742		66	4.0	19.2	80	28.4
K289743		80	0.6	16.6	61	37.5
K289744		68	5.6	12.5	929	32.2
K289745		87	12.2	17.6	63	37.7
K289746		82	4.1	13.0	81	37.8
K289747		64	4.8	11.9	90	46.8
K289748		64	4.8	12.0	89	48.1
K289749		83	4.4	11.8	81	41.3
K289750		87	3.2	15.2	73	31.1
K289751		71	2.1	14.9	73	24.0
K289752		81	0.8	11.9	68	32.4
K289753		86	2.2	15.0	64	35.6
K289754		82	1.7	14.2	101	28.5

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 24-AUG-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15121082

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

Applies to Method:				
BAG-06	CRU-31	CRU-QC	LOG-21	
LOG-21d	LOG-23	PUL-31	PUL-31d	
PUL-QC	SPL-21	SPL-21d	WEI-21	

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:	
Au-AA24	ME-MS61

ALS Canada Ltd.

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C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 25-AUG-2015
Account: ROCKHA

CERTIFICATE WH15121092

Project: Klaza

P.O. No.: BATCH 114

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 12-AUG-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21d	Sample logging - ClientBarCode Dup
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
BAG-06	Double Bagging Coarse Rejects
SPL-21d	Split sample - duplicate
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31d	Pulverize Split - duplicate

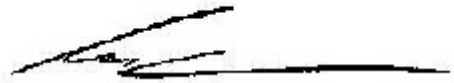
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.

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Finalized Date: 25-AUG-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15121092

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
K290039		1.32	<0.005	0.11	8.20	8.6	2310	1.51	0.39	0.62	0.13	54.2	5.2	10	10.05	4.6
K290040		3.90	<0.005	0.29	7.68	8.8	2030	1.55	0.33	1.91	0.25	50.0	6.7	12	13.75	12.0
K290041		6.94	<0.005	0.39	7.62	22.9	2160	1.57	0.56	2.11	0.45	53.7	7.9	12	16.35	16.3
K290042		3.59	<0.005	0.47	7.62	21.8	2090	1.55	0.46	2.03	0.45	55.7	8.1	10	16.20	15.9
K290043		1.49	0.006	0.22	7.17	9.2	2560	1.36	0.62	1.49	0.18	52.3	5.7	12	13.15	3.8
K290044		0.80	0.417	97.4	4.47	371	270	1.55	6.24	2.88	14.70	33.6	49.5	6	20.8	309
K290045		1.18	<0.005	0.39	7.63	13.4	2520	1.75	0.63	1.47	0.36	54.6	5.2	9	15.00	6.6
K290046		1.18	<0.005	0.16	6.63	5.3	1640	1.54	0.12	2.47	0.25	40.3	5.9	9	22.7	6.3
K290047		1.70	0.015	1.37	5.26	147.0	1040	1.46	0.16	5.02	2.46	42.8	8.7	7	16.90	13.2
K290048		5.85	<0.005	0.03	0.07	<0.2	30	0.10	0.04	20.6	0.06	1.12	0.9	1	0.34	4.8
K290049		1.26	<0.005	0.36	6.49	19.8	1810	1.63	0.22	2.68	0.39	41.4	7.0	10	17.10	10.5
K290050		1.21	<0.005	0.67	6.73	28.1	2130	1.52	0.57	2.34	0.44	49.7	7.7	9	31.5	16.5
K290051		0.82	0.366	8.86	6.55	206	1620	1.45	0.79	2.28	17.30	48.4	7.6	8	27.6	37.7
K290052		1.35	0.010	0.72	6.81	120.5	2250	1.61	0.31	1.97	0.35	55.2	7.8	8	27.8	22.2
K290053		2.12	0.019	0.36	7.06	76.5	1630	1.38	0.25	1.92	0.28	51.0	6.2	9	19.45	16.5
K290054		2.89	<0.005	0.96	6.65	36.3	900	1.70	1.54	2.16	1.42	52.7	5.1	7	23.2	16.9
K290055		<0.02	<0.005	0.89	6.40	34.8	920	1.56	0.73	2.12	1.55	50.7	4.8	7	22.2	35.0
K290056		1.28	0.021	0.43	7.00	67.0	1550	1.77	0.24	2.63	2.27	55.9	8.1	8	25.4	11.8
K290057		0.98	0.008	1.57	6.51	43.2	1600	1.78	0.27	3.30	0.41	49.2	10.6	7	26.0	33.8
K290058		0.34	0.354	4.33	6.61	702	340	1.46	3.35	2.00	10.30	48.3	12.3	24	13.35	301
K290059		3.92	<0.005	0.28	7.07	48.0	1900	1.50	0.22	2.62	0.34	54.0	6.5	8	21.5	11.2
K290060		0.93	0.301	12.20	6.80	1520	750	1.51	0.42	2.93	2.86	46.1	13.6	8	16.25	27.6
K290061		0.93	0.062	10.55	7.09	152.0	1580	1.41	0.29	2.62	0.54	53.7	6.9	9	15.65	64.0
K290062		1.66	0.112	29.1	7.14	354	1820	1.56	0.33	2.47	2.93	49.8	6.1	10	12.95	47.1
K290063		2.90	<0.005	0.27	7.30	11.2	2220	1.55	0.15	2.94	0.22	55.0	7.3	12	15.90	13.5
K290064		0.83	0.179	2.04	6.89	154.5	1640	1.73	3.34	2.85	0.44	57.3	5.9	9	14.50	39.7
K290065		4.11	<0.005	0.22	7.54	8.4	2140	1.76	0.18	2.49	0.23	55.5	6.5	13	12.20	16.8
K290066		0.34	0.882	11.70	6.40	1540	140	1.42	13.00	1.83	34.3	48.6	19.3	18	14.35	289
K290067		2.89	<0.005	0.55	7.17	12.7	2120	1.68	0.12	2.71	0.22	53.0	7.8	14	15.85	34.1
K290068		1.16	0.030	1.49	6.67	154.5	920	1.53	0.20	1.82	0.86	45.3	7.0	9	18.85	74.7
K290069		1.21	0.377	15.45	6.84	2340	180	1.50	0.41	1.58	15.30	49.5	10.4	9	14.60	155.5
K290070		0.74	0.583	36.6	5.99	1145	190	0.90	1.11	1.34	45.5	34.9	15.8	9	6.34	192.5
K290071		4.64	<0.005	0.08	0.07	2.4	50	0.06	0.04	20.4	0.11	1.25	0.8	1	0.17	2.4
K290072		1.51	0.016	0.57	7.66	63.0	1760	1.44	0.16	2.02	1.69	57.2	6.5	8	21.2	9.5
K290073		0.91	0.005	0.30	6.80	55.4	2600	1.53	0.14	2.34	0.26	54.0	6.3	12	26.2	6.1
K290074		1.15	<0.005	0.11	6.94	19.5	1910	1.59	0.27	2.36	0.10	47.3	3.5	9	16.40	1.9

***** See Appendix Page for comments regarding this certificate *****

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VANCOUVER BC V6B 1L8

Finalized Date: 25-AUG-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15121092

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
K290039		3.85	17.30	0.26	1.1	0.225	3.46	28.5	17.2	0.40	1110	0.56	0.78	8.5	2.8	670
K290040		2.92	16.95	0.31	1.1	0.076	3.00	24.6	19.9	0.58	730	0.87	1.52	8.5	2.4	620
K290041		3.03	17.35	0.35	1.2	0.046	2.99	26.4	25.5	0.65	1220	0.92	1.25	8.8	2.6	610
K290042		2.93	17.15	0.34	1.2	0.041	2.95	28.4	25.8	0.66	1260	0.80	1.09	8.5	2.4	610
K290043		3.49	16.35	0.30	1.0	0.195	3.41	27.6	15.3	0.63	1020	0.52	0.97	7.6	2.2	570
K290044		5.49	10.20	0.16	0.6	0.236	1.85	17.2	32.7	0.89	4110	1.74	0.03	4.6	3.6	320
K290045		3.33	17.50	0.29	1.1	0.165	3.51	28.3	20.2	0.56	1260	1.81	1.09	8.5	2.4	620
K290046		2.52	16.10	0.30	1.3	0.033	2.71	18.6	73.0	0.60	793	0.90	1.05	8.3	2.1	540
K290047		3.22	11.95	0.27	1.0	0.036	2.09	23.1	70.9	1.62	2920	3.14	0.04	5.9	3.6	390
K290048		0.46	0.40	0.18	<0.1	<0.005	0.03	0.5	1.8	12.95	210	0.36	0.01	0.2	1.5	190
K290049		2.69	15.90	0.24	1.2	0.037	2.88	18.5	36.8	0.75	1140	1.42	1.45	8.4	2.4	570
K290050		2.60	15.00	0.15	1.1	0.052	3.21	24.9	23.0	0.64	1810	2.01	1.49	8.4	2.6	530
K290051		3.33	13.95	0.13	1.2	0.170	3.56	25.2	27.4	0.86	3560	3.53	0.14	8.4	3.1	510
K290052		2.54	15.10	0.15	1.3	0.084	3.49	27.7	32.6	0.71	1580	2.34	0.91	8.6	3.1	520
K290053		2.68	15.40	0.16	1.2	0.093	3.40	26.0	38.4	0.67	1480	2.46	0.19	8.7	3.5	580
K290054		2.00	14.30	0.15	1.7	0.056	3.06	27.6	61.2	0.71	1420	2.87	0.05	9.3	2.4	400
K290055		1.94	13.65	0.13	1.7	0.056	2.94	26.1	59.4	0.68	1380	2.32	0.04	8.8	2.3	370
K290056		2.70	15.10	0.15	1.3	0.103	3.13	29.0	41.1	0.87	1940	2.86	0.04	8.7	2.7	530
K290057		3.33	14.10	0.15	1.1	0.071	2.78	25.6	32.3	1.16	1960	1.68	0.03	7.7	3.4	530
K290058		4.95	14.70	0.12	1.1	0.304	2.88	26.0	24.9	0.77	1960	14.40	0.15	6.4	14.3	510
K290059		2.69	15.15	0.14	1.2	0.067	2.48	28.2	78.8	0.93	1600	1.69	0.04	8.5	2.2	550
K290060		4.10	14.25	0.13	1.0	0.124	3.23	23.9	18.1	0.92	4180	5.52	0.03	7.2	2.5	590
K290061		3.04	15.70	0.14	1.2	0.137	3.71	26.2	41.8	0.63	2610	1.78	0.33	8.9	2.1	620
K290062		3.36	15.25	0.14	1.1	0.157	3.40	25.3	15.6	0.62	3020	1.53	0.91	8.3	2.5	570
K290063		2.79	16.20	0.14	1.3	0.055	3.04	27.9	17.5	0.70	1000	1.13	1.83	9.3	2.7	620
K290064		3.13	14.95	0.14	1.0	0.219	3.42	29.5	25.4	0.91	5770	2.17	0.06	7.8	2.6	530
K290065		2.71	15.95	0.15	1.3	0.056	3.00	28.9	12.6	0.72	868	2.10	2.13	9.2	2.5	550
K290066		6.44	15.40	0.13	1.1	0.858	2.83	24.0	18.5	0.76	1900	9.23	0.13	7.2	12.8	520
K290067		2.97	15.65	0.14	1.2	0.065	2.99	27.1	10.5	0.76	1050	1.33	1.83	8.8	2.7	580
K290068		2.61	15.40	0.13	1.2	0.079	2.85	21.9	117.5	0.53	2780	1.30	0.12	8.4	2.2	570
K290069		3.70	15.95	0.13	1.2	0.226	3.25	24.1	17.4	0.57	3410	2.36	0.02	7.9	2.8	500
K290070		5.52	13.45	0.11	0.9	0.369	2.97	17.7	11.2	0.49	3890	1.97	0.02	6.7	2.6	460
K290071		0.46	0.25	0.15	<0.1	0.006	0.03	0.6	1.0	12.75	221	0.10	0.01	0.2	1.6	180
K290072		2.89	16.70	0.18	1.4	0.077	3.44	29.2	35.8	0.62	2200	1.27	0.86	9.4	2.2	620
K290073		2.41	15.40	0.14	1.3	0.060	3.45	27.2	38.0	0.81	1450	1.24	0.08	8.8	2.4	550
K290074		2.74	15.65	0.13	1.1	0.080	3.32	22.7	16.3	0.65	811	0.95	0.97	8.6	2.3	550

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 25-AUG-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15121092

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
K290039		16.2	167.0	<0.002	0.06	14.30	12.7	1	1.5	82.7	0.64	<0.05	15.2	0.278	1.83	1.9
K290040		32.9	120.0	<0.002	0.03	7.84	11.6	1	1.6	234	0.65	<0.05	14.0	0.269	1.27	2.6
K290041		44.9	123.0	<0.002	0.06	10.10	11.5	1	1.5	216	0.70	<0.05	14.3	0.267	1.43	3.1
K290042		48.5	126.0	<0.002	0.06	10.25	11.2	1	1.6	197.5	0.68	<0.05	15.2	0.268	1.46	3.4
K290043		17.9	165.5	<0.002	0.10	9.06	10.8	1	1.3	116.5	0.60	<0.05	14.7	0.238	2.15	4.9
K290044		4590	110.0	<0.002	4.16	234	6.9	1	1.6	75.0	0.36	<0.05	8.6	0.147	1.79	10.1
K290045		42.2	171.0	<0.002	0.15	12.00	11.9	1	1.6	152.5	0.67	<0.05	15.8	0.259	2.07	5.2
K290046		27.7	102.0	<0.002	0.01	9.24	9.5	<1	1.4	228	0.73	<0.05	12.5	0.245	1.42	3.4
K290047		125.0	124.5	<0.002	0.59	22.1	7.4	1	1.3	109.5	0.49	<0.05	10.9	0.175	2.01	7.1
K290048		2.2	2.0	<0.002	<0.01	0.33	0.2	<1	<0.2	46.5	<0.05	<0.05	<0.2	<0.005	0.02	0.4
K290049		44.7	102.5	<0.002	0.12	6.84	9.7	1	1.4	267	0.68	<0.05	11.1	0.254	1.52	4.1
K290050		61.2	141.0	<0.002	0.15	6.79	10.5	1	1.6	334	0.67	<0.05	13.7	0.234	1.73	4.3
K290051		368	181.5	<0.002	1.53	26.5	10.0	1	1.8	240	0.69	<0.05	13.5	0.219	2.72	11.8
K290052		50.7	166.0	<0.002	0.39	14.60	10.6	1	1.6	247	0.80	<0.05	15.1	0.233	2.63	5.9
K290053		30.8	158.5	<0.002	0.30	12.00	10.3	1	1.6	144.0	0.71	<0.05	15.5	0.246	2.16	3.9
K290054		41.7	155.0	<0.002	0.24	13.55	7.3	1	1.7	190.5	1.20	<0.05	23.1	0.169	2.60	9.7
K290055		40.9	146.5	<0.002	0.22	14.05	6.9	1	3.4	183.5	1.14	<0.05	21.7	0.162	2.50	9.2
K290056		66.3	173.0	<0.002	0.55	11.85	10.4	1	2.0	200	0.93	<0.05	16.9	0.228	2.78	7.1
K290057		66.7	169.5	<0.002	0.36	28.3	9.8	1	1.9	192.0	0.61	<0.05	13.2	0.222	2.94	5.9
K290058		481	160.0	0.004	2.64	28.1	9.5	1	5.6	105.5	0.51	0.25	11.9	0.203	2.46	5.3
K290059		23.3	142.0	<0.002	0.40	12.60	10.5	1	1.7	199.0	0.72	<0.05	15.2	0.239	2.32	4.1
K290060		197.5	189.0	<0.002	2.79	43.5	9.8	1	2.1	111.5	0.59	<0.05	13.3	0.221	2.80	4.8
K290061		38.3	183.5	<0.002	1.07	37.5	11.1	1	2.2	166.5	0.71	<0.05	14.7	0.254	2.56	5.1
K290062		206	171.0	<0.002	1.43	46.0	10.4	1	1.9	226	0.68	<0.05	14.4	0.234	2.16	4.9
K290063		28.6	133.0	<0.002	0.05	4.31	12.0	1	1.6	353	0.73	<0.05	14.9	0.261	1.55	5.0
K290064		65.1	193.5	<0.002	0.94	16.05	10.6	1	1.8	106.5	0.63	<0.05	14.5	0.221	2.77	5.4
K290065		31.4	137.0	<0.002	0.04	2.81	10.6	1	1.7	334	0.88	<0.05	18.0	0.239	1.44	5.7
K290066		1300	169.5	<0.002	4.56	66.2	10.0	2	8.4	96.8	0.56	0.99	12.5	0.207	2.63	5.6
K290067		29.6	140.5	<0.002	0.08	3.91	11.4	1	1.7	339	0.72	<0.05	15.3	0.250	1.70	5.2
K290068		75.3	140.5	<0.002	0.54	33.5	10.8	1	1.9	169.5	0.67	<0.05	13.8	0.237	2.23	5.0
K290069		609	215	<0.002	3.00	93.0	10.5	1	2.5	109.5	0.64	<0.05	13.3	0.224	3.23	8.9
K290070		1235	185.0	<0.002	5.39	85.8	8.1	1	3.3	26.7	0.53	0.09	11.5	0.190	2.90	6.4
K290071		3.4	1.5	<0.002	0.01	0.25	0.2	<1	<0.2	48.6	<0.05	<0.05	<0.2	<0.005	0.02	0.5
K290072		104.0	162.5	<0.002	0.42	12.30	11.7	1	2.3	210	0.77	<0.05	16.3	0.260	2.15	6.2
K290073		16.2	176.0	<0.002	0.28	21.9	11.5	1	1.9	141.0	0.69	<0.05	14.6	0.239	3.02	5.3
K290074		18.1	146.5	<0.002	0.07	8.10	10.6	1	1.6	203	0.68	<0.05	14.2	0.240	2.11	4.4

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VANCOUVER BC V6B 1L8

Finalized Date: 25-AUG-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15121092

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	V	W	Y	Zn	Zr
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	1	0.1	0.1	2	0.5
K290039		73	4.2	16.8	73	29.8
K290040		72	2.4	17.1	70	30.8
K290041		73	3.1	17.0	103	32.8
K290042		72	3.1	17.3	103	32.8
K290043		68	4.7	16.3	69	26.9
K290044		51	6.1	12.9	1580	17.3
K290045		71	3.0	17.3	84	30.1
K290046		63	1.9	14.5	81	36.0
K290047		49	2.9	16.7	281	30.0
K290048		2	0.1	0.7	15	<0.5
K290049		68	2.5	14.9	93	32.9
K290050		63	1.8	17.1	95	30.3
K290051		60	6.0	15.8	2360	33.8
K290052		62	4.8	15.5	66	35.9
K290053		62	3.8	15.9	75	33.3
K290054		43	4.7	16.2	145	41.3
K290055		42	4.5	15.3	152	40.3
K290056		61	3.4	17.0	232	34.8
K290057		61	3.2	17.5	79	31.1
K290058		65	5.6	12.2	895	31.7
K290059		62	3.7	17.5	74	31.5
K290060		62	4.7	16.2	315	28.2
K290061		69	3.5	15.8	99	34.4
K290062		65	2.9	15.7	474	30.1
K290063		71	2.2	19.1	68	36.4
K290064		63	4.1	17.0	84	28.0
K290065		63	2.2	18.2	69	33.6
K290066		61	6.4	12.8	2490	31.6
K290067		68	3.2	18.3	73	33.3
K290068		64	4.6	14.5	146	33.0
K290069		62	6.1	12.4	2200	33.0
K290070		48	8.4	10.2	5750	26.6
K290071		2	0.1	0.8	21	<0.5
K290072		71	3.4	18.0	253	38.5
K290073		69	3.4	15.1	62	35.1
K290074		65	2.1	15.3	57	31.7

***** See Appendix Page for comments regarding this certificate *****

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VANCOUVER BC V6B 1L8

Finalized Date: 25-AUG-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15121092

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	ME-MS61

ALS Canada Ltd.

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 27-AUG-2015
Account: ROCKHA

CERTIFICATE WH15123373

Project: Klaza

P.O. No.: BATCH 115

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 17-AUG-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21d	Sample logging - ClientBarCode Dup
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
BAG-06	Double Bagging Coarse Rejects
SPL-21d	Split sample - duplicate
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31d	Pulverize Split - duplicate

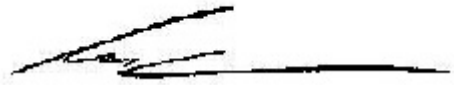
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
As-OG62	Ore Grade As - Four Acid	VARIABLE
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.

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VANCOUVER BC V6B 1L8

Finalized Date: 27-AUG-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15123373

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
K290075		2.41	<0.005	0.18	6.92	11.8	2300	1.69	0.21	2.87	0.08	38.5	5.3	11	11.35	8.1
K290076		2.22	<0.005	0.10	7.28	10.8	2190	1.61	0.09	2.44	0.12	44.6	6.4	18	12.80	8.8
K290077		0.82	0.478	21.2	6.35	2400	2420	1.29	0.26	2.28	8.69	43.1	3.5	8	10.35	42.4
K290078		4.65	0.008	0.32	7.55	75.3	2130	1.58	0.33	3.97	0.30	53.4	3.6	7	13.75	3.1
K290079		3.69	0.025	1.01	7.83	44.6	2090	2.04	1.64	3.19	0.17	46.7	15.5	6	18.75	2.6
K290080		<0.02	0.025	0.94	8.15	36.3	2740	2.00	1.77	3.26	0.14	45.1	16.9	6	18.55	2.1
K290081		7.15	0.011	0.24	8.03	24.9	1650	1.67	0.34	4.21	0.21	44.5	6.2	7	16.60	1.5
K290082		1.23	0.125	0.97	5.34	423	1060	1.39	0.13	4.38	1.53	34.3	3.6	4	13.50	6.2
K290083		4.67	<0.005	0.02	0.07	0.4	30	0.06	0.02	20.1	0.06	1.15	0.7	1	0.21	2.1
K290084		4.36	0.005	0.17	6.93	27.3	2310	1.53	0.14	2.20	0.23	38.8	3.6	9	13.40	5.3
K290085		1.83	<0.005	0.11	5.05	10.6	1230	1.26	0.13	6.73	0.05	41.9	1.1	3	8.01	1.4
K290086		8.47	<0.005	0.23	7.49	11.8	4100	1.67	0.37	2.42	0.07	42.6	5.0	8	19.10	1.9
K290087		6.46	<0.005	0.17	8.10	19.8	2920	1.57	0.41	2.75	0.08	43.1	6.8	7	14.95	1.6
K290088		4.49	0.007	0.22	7.53	10.7	1850	1.57	0.63	3.09	0.07	43.8	2.4	8	12.85	3.2
K290089		3.03	<0.005	0.17	7.67	10.3	2310	1.51	0.57	3.09	0.08	45.6	1.9	7	13.25	4.9
K290090		5.70	0.016	0.10	7.10	19.7	1540	1.47	0.21	3.51	0.12	36.8	2.2	7	13.95	3.6
K290091		0.35	0.359	4.34	6.84	750	1000	1.42	3.36	2.06	10.30	48.3	11.8	24	12.65	320
K290092		5.41	0.005	0.87	7.13	46.0	2650	1.42	0.19	2.66	2.81	42.3	4.6	8	14.55	4.4
K290093		2.53	0.008	3.47	6.94	39.8	3380	1.69	0.30	1.99	27.6	38.7	3.1	9	13.00	12.6
K290094		1.98	<0.005	0.73	8.09	40.8	6200	1.46	0.84	3.31	0.53	65.4	43.4	7	15.50	1.5
K290095		2.15	0.010	1.50	7.28	93.4	3400	1.53	0.43	3.46	6.84	53.2	35.7	8	17.80	3.7
K290096		1.18	0.166	5.19	7.62	2150	910	1.77	0.34	1.83	51.9	20.2	30.9	5	11.30	18.4
K290097		4.14	<0.005	0.02	0.06	3.1	30	0.05	0.02	21.2	0.15	1.12	0.8	1	0.19	1.9
K290098		8.28	0.005	0.20	7.92	19.3	2270	1.58	0.52	3.98	0.31	49.4	6.8	7	17.40	2.5
K290099		3.63	0.007	0.22	7.33	28.1	3260	1.47	0.52	2.60	0.20	46.5	7.6	6	17.10	2.1
K290100		1.29	2.69	14.05	6.42	6830	1370	1.30	0.42	2.57	24.6	39.7	9.6	5	14.00	18.0
K290101		2.91	0.105	0.47	7.29	214	2000	1.55	0.11	1.74	0.84	40.5	6.4	8	18.65	11.3
K290102		5.61	0.016	0.63	7.80	58.4	1280	1.38	0.26	2.94	1.55	45.2	5.2	7	16.70	2.7
K290103		5.74	0.009	0.32	8.50	57.7	1400	1.45	0.25	3.52	0.69	57.6	6.3	7	19.80	2.3
K290104		2.53	<0.005	0.07	7.85	12.9	3370	1.46	0.14	3.14	0.04	48.9	3.3	8	14.65	1.2
K290105		3.32	<0.005	0.08	7.21	7.5	2210	1.53	0.10	2.56	0.10	40.2	6.2	11	16.55	8.8
K290106		0.38	0.833	11.45	6.71	1625	1060	1.36	12.55	1.83	30.9	44.1	16.7	19	12.60	295
K290107		3.42	0.013	0.33	6.99	45.2	1100	1.73	0.19	1.84	0.26	39.3	3.8	9	15.90	6.7
K290108		1.81	1.305	2.96	7.17	2610	1250	1.60	0.35	1.57	33.9	46.2	10.4	7	13.05	10.3
K290109		1.89	6.86	35.1	3.65	>10000	430	1.15	0.15	2.21	48.6	25.5	4.6	6	15.50	79.6
K290110		2.70	0.400	3.38	7.10	2320	1430	1.58	0.13	1.45	17.45	45.4	5.7	8	20.3	20.6

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 27-AUG-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15123373

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
K290075		2.80	15.85	0.14	1.2	0.090	3.78	18.1	15.4	0.61	780	1.19	1.21	7.8	2.3	560
K290076		2.74	16.55	0.13	1.2	0.052	3.27	20.5	36.7	0.67	799	1.16	1.91	8.1	2.5	590
K290077		4.22	14.55	0.13	0.8	0.227	3.14	20.4	26.8	0.71	4250	3.18	0.03	6.3	2.6	460
K290078		3.94	18.05	0.16	1.1	0.377	4.08	24.5	20.8	1.17	3750	0.95	0.04	8.9	2.9	680
K290079		4.09	18.75	0.15	1.2	0.378	3.47	20.7	93.9	1.05	2340	0.70	0.20	9.1	3.0	660
K290080		4.05	18.25	0.15	1.1	0.356	3.47	20.4	99.2	1.08	2330	0.62	0.22	8.7	2.9	670
K290081		3.82	17.35	0.14	1.2	0.294	3.72	20.2	60.1	1.11	2860	0.63	0.21	8.7	2.8	740
K290082		2.86	11.95	0.10	0.8	0.073	2.45	17.8	34.9	1.37	3850	1.95	0.02	5.8	1.7	420
K290083		0.45	0.24	<0.05	<0.1	<0.005	0.03	0.6	1.2	12.50	202	0.10	<0.01	0.1	1.1	180
K290084		2.51	16.35	0.13	1.1	0.075	3.61	18.2	84.3	0.64	1060	1.88	0.11	7.8	2.0	530
K290085		1.08	8.88	0.09	1.9	0.044	2.23	22.3	35.4	0.55	1450	1.49	0.04	6.0	0.7	90
K290086		3.08	17.65	0.13	1.1	0.247	3.52	19.9	45.1	0.81	1420	1.58	0.10	8.4	2.5	640
K290087		4.82	18.35	0.14	1.2	0.314	3.80	19.4	41.1	1.02	2110	7.01	0.41	9.2	3.2	710
K290088		3.91	17.25	0.15	0.9	0.347	3.95	20.6	40.6	1.03	2220	1.41	0.06	7.9	2.7	620
K290089		3.87	16.70	0.15	1.0	0.349	3.99	22.2	38.5	1.07	2240	1.90	0.07	7.8	2.6	580
K290090		3.08	14.60	0.13	1.1	0.233	3.54	17.4	32.8	0.91	2070	1.36	0.08	7.9	2.1	610
K290091		5.07	15.55	0.13	1.1	0.292	3.10	25.3	25.8	0.78	1930	13.35	0.15	6.3	14.3	540
K290092		3.96	15.35	0.14	0.9	0.247	3.75	20.8	32.9	0.98	3140	0.89	0.03	7.5	2.6	580
K290093		2.78	13.95	0.12	1.0	0.233	3.35	18.4	74.2	0.78	2230	0.74	0.02	7.7	2.0	590
K290094		5.33	21.8	0.20	1.0	0.420	5.12	32.6	41.0	1.28	3090	0.29	0.08	9.4	3.2	710
K290095		4.15	17.55	0.14	1.0	0.210	3.58	28.1	58.2	1.27	3550	1.27	0.03	7.6	2.6	580
K290096		8.20	19.45	0.14	1.1	0.089	3.95	9.5	26.1	1.16	4870	3.82	0.04	5.0	4.1	1050
K290097		0.49	0.26	<0.05	<0.1	0.005	0.03	0.5	1.1	13.10	215	0.12	<0.01	0.1	1.2	190
K290098		4.93	21.2	0.14	1.0	0.433	3.12	23.5	68.8	1.38	2260	0.39	0.05	8.3	3.2	640
K290099		3.78	14.85	0.13	1.0	0.263	3.18	23.6	70.2	1.00	1800	1.02	0.02	7.4	2.1	520
K290100		7.18	17.00	0.13	0.9	0.308	3.13	19.6	27.2	0.93	4020	2.70	0.03	6.9	4.1	520
K290101		2.67	17.20	0.13	1.2	0.053	3.43	18.4	76.1	0.60	1340	1.62	0.15	8.3	2.1	590
K290102		4.51	16.05	0.14	1.0	0.230	3.69	22.2	76.1	1.18	2530	1.36	0.03	8.1	2.8	620
K290103		5.80	21.4	0.17	1.0	0.408	4.49	28.9	20.0	1.33	3210	0.85	0.03	9.3	2.9	710
K290104		4.40	19.60	0.15	1.1	0.404	4.74	22.1	17.8	1.09	2030	0.68	0.62	8.9	2.7	690
K290105		2.76	16.05	0.13	1.1	0.046	3.28	18.6	30.3	0.69	674	1.21	1.66	8.2	2.3	580
K290106		6.67	15.30	0.13	1.0	0.765	3.03	21.8	18.6	0.76	1820	8.35	0.13	6.5	12.0	540
K290107		2.11	15.45	0.12	1.6	0.058	3.80	18.7	62.8	0.62	1180	2.14	0.06	8.4	2.0	450
K290108		5.32	17.30	0.13	1.0	0.204	3.52	22.6	27.1	0.66	2390	25.3	0.03	7.7	3.1	550
K290109		4.18	9.83	0.09	0.5	0.152	1.63	14.7	53.1	0.75	3130	10.95	0.02	3.7	2.4	240
K290110		2.80	16.05	0.12	1.2	0.064	3.09	22.3	94.7	0.61	2270	2.61	0.03	7.4	2.3	480

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 27-AUG-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15123373

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
K290075		17.2	146.5	<0.002	0.10	4.39	9.3	1	1.8	276	0.59	<0.05	10.5	0.237	2.19	3.6
K290076		18.3	112.0	<0.002	0.08	5.05	9.6	<1	1.7	356	0.57	<0.05	10.7	0.245	1.49	3.7
K290077		872	177.5	<0.002	3.14	94.6	8.7	<1	2.3	167.0	0.44	<0.05	9.7	0.200	2.62	6.0
K290078		25.8	150.5	<0.002	0.69	11.30	11.1	1	1.8	109.5	0.66	<0.05	12.3	0.251	3.68	7.5
K290079		32.7	108.0	<0.002	0.96	15.25	11.2	1	1.8	174.5	0.72	0.25	12.0	0.253	2.97	8.5
K290080		27.9	108.5	<0.002	0.89	14.50	11.1	1	1.7	189.5	0.68	0.27	12.3	0.246	2.97	9.0
K290081		15.1	121.5	<0.002	0.49	12.30	11.6	1	1.7	156.0	0.62	<0.05	11.6	0.262	3.11	9.6
K290082		53.1	132.0	<0.002	1.14	20.3	7.2	1	1.8	133.0	0.40	<0.05	8.1	0.177	2.16	6.7
K290083		1.6	1.5	<0.002	<0.01	0.15	0.2	<1	<0.2	45.7	<0.05	<0.05	<0.2	<0.005	0.02	0.6
K290084		18.8	123.0	<0.002	0.18	11.60	9.2	1	1.6	244	0.55	<0.05	10.9	0.225	2.20	2.3
K290085		7.9	101.0	<0.002	0.05	9.35	2.1	1	0.6	210	1.09	<0.05	25.2	0.044	1.53	9.5
K290086		9.6	123.5	<0.002	0.20	11.35	10.6	1	1.7	169.5	0.59	<0.05	10.4	0.244	2.41	4.8
K290087		10.5	117.0	<0.002	0.64	10.70	11.3	1	1.8	181.5	0.68	<0.05	12.1	0.265	2.73	5.5
K290088		6.8	150.5	<0.002	0.25	8.79	10.4	1	2.0	144.5	0.59	<0.05	11.5	0.240	2.99	6.2
K290089		6.6	164.5	<0.002	0.16	8.88	10.4	1	2.3	147.0	0.58	<0.05	12.3	0.236	2.89	7.4
K290090		10.6	135.0	<0.002	0.22	9.62	9.9	1	1.6	149.5	0.56	<0.05	11.2	0.237	2.82	5.4
K290091		498	163.0	0.003	2.73	28.0	9.1	1	5.9	109.5	0.46	0.25	10.5	0.203	2.50	4.8
K290092		117.5	162.5	<0.002	0.43	13.40	9.9	1	1.8	119.0	0.53	<0.05	11.1	0.231	3.04	6.2
K290093		476	173.5	<0.002	0.44	16.05	10.0	1	2.3	111.0	0.56	<0.05	11.4	0.235	3.05	6.0
K290094		44.6	140.5	<0.002	0.87	11.45	13.0	1	2.4	213	0.65	0.14	11.3	0.283	3.61	12.8
K290095		285	157.0	<0.002	0.77	17.80	10.4	1	2.1	164.5	0.52	0.29	10.8	0.241	3.25	13.4
K290096		638	242	<0.002	3.04	26.7	11.9	1	2.5	117.0	0.25	<0.05	2.7	0.364	3.63	4.4
K290097		3.0	1.7	<0.002	0.01	0.17	0.2	<1	<0.2	48.5	<0.05	<0.05	<0.2	<0.005	0.02	0.6
K290098		10.0	101.5	<0.002	0.40	11.05	11.1	1	2.7	180.5	0.61	<0.05	11.0	0.242	2.66	9.9
K290099		11.5	158.0	<0.002	0.67	17.90	10.0	1	2.4	148.5	0.54	<0.05	12.5	0.220	2.64	6.5
K290100		3040	161.5	<0.002	6.21	77.3	8.3	1	7.7	92.7	0.46	<0.05	9.6	0.199	2.64	25.9
K290101		47.0	127.5	<0.002	0.55	18.85	9.9	<1	1.9	165.0	0.59	<0.05	11.2	0.247	2.32	5.5
K290102		76.7	165.5	<0.002	0.63	11.85	10.6	<1	2.5	139.5	0.57	<0.05	13.2	0.242	3.02	7.7
K290103		24.1	171.0	<0.002	0.59	10.05	11.9	1	4.1	143.0	0.63	<0.05	12.3	0.275	4.05	11.5
K290104		6.3	158.5	<0.002	0.23	6.24	11.4	1	3.3	196.0	0.62	<0.05	11.0	0.275	3.29	5.9
K290105		17.2	113.0	<0.002	0.04	5.60	9.6	1	1.8	333	0.57	<0.05	10.6	0.248	1.65	3.7
K290106		1340	166.0	<0.002	4.75	61.0	9.1	1	8.1	98.7	0.47	1.18	10.1	0.204	2.59	4.8
K290107		24.1	149.5	<0.002	0.47	13.20	7.5	1	2.3	148.0	0.90	<0.05	15.3	0.191	2.81	7.2
K290108		494	192.5	<0.002	4.68	62.5	10.0	1	9.5	68.5	0.53	<0.05	11.5	0.225	3.39	11.0
K290109		3400	88.2	0.002	2.88	174.5	5.2	<1	11.7	88.5	0.26	<0.05	6.0	0.117	1.54	12.8
K290110		879	144.5	<0.002	1.17	34.3	8.5	1	4.5	192.5	0.59	<0.05	13.4	0.212	2.82	10.8

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CERTIFICATE OF ANALYSIS WH15123373

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	As-OG62
	Analyte	V	W	Y	Zn	Zr	As
	Units	ppm	ppm	ppm	ppm	ppm	%
	LOR	1	0.1	0.1	2	0.5	0.001
K290075		67	1.5	12.6	39	30.1	
K290076		69	1.5	14.0	47	31.4	
K290077		57	3.4	10.2	1010	21.0	
K290078		66	2.8	17.9	90	27.5	
K290079		71	3.1	16.4	74	29.5	
K290080		70	3.0	16.0	71	27.8	
K290081		66	2.4	15.6	87	30.3	
K290082		47	2.4	11.6	137	21.5	
K290083		2	0.1	0.8	15	<0.5	
K290084		64	2.5	11.8	55	30.0	
K290085		9	0.7	16.2	22	36.6	
K290086		72	2.6	13.8	61	28.0	
K290087		75	6.5	14.2	94	29.8	
K290088		79	7.7	14.7	75	24.2	
K290089		74	7.0	15.2	76	26.0	
K290090		65	4.6	12.8	55	27.5	
K290091		68	5.8	10.9	886	29.1	
K290092		69	4.4	13.1	240	23.0	
K290093		66	4.1	9.9	1530	25.4	
K290094		93	4.9	18.8	83	25.7	
K290095		76	3.6	14.4	426	27.1	
K290096		132	6.2	11.1	3590	42.3	
K290097		3	0.1	0.8	20	0.8	
K290098		89	8.0	18.3	105	26.1	
K290099		63	10.0	12.5	59	24.7	
K290100		67	25.2	10.7	1640	23.2	
K290101		69	4.5	12.0	96	30.8	
K290102		66	12.5	11.6	170	26.3	
K290103		73	14.3	15.0	126	26.1	
K290104		75	7.5	14.4	67	27.1	
K290105		70	1.9	13.4	44	28.9	
K290106		64	5.9	10.8	2430	27.7	
K290107		53	3.0	11.9	38	37.0	
K290108		69	3.7	8.9	2300	26.5	
K290109		38	2.9	8.0	3970	14.0	1.210
K290110		62	5.4	10.4	1150	27.8	

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

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www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: Klaza

Finalized Date: 27-AUG-2015
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH15123373

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

As-OG62	Au-AA24	ME-MS61	ME-OG62

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 29-AUG-2015
Account: ROCKHA

CERTIFICATE WH15123380

Project: Klaza

P.O. No.: BATCH 116

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 17-AUG-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21d	Sample logging - ClientBarCode Dup
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
BAG-06	Double Bagging Coarse Rejects
SPL-21d	Split sample - duplicate
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31d	Pulverize Split - duplicate

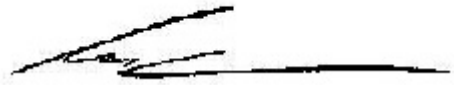
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	
Ag-OG62	Ore Grade Ag - Four Acid	VARIABLE
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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VANCOUVER BC V6B 1L8

Finalized Date: 29-AUG-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15123380

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
K290111		1.94	0.005	0.50	6.66	23.9	920	1.69	0.09	1.92	2.54	39.1	6.6	11	17.00	16.0
K290112		3.38	<0.005	0.13	6.85	11.5	1570	1.54	0.08	1.56	0.18	41.4	6.4	11	25.4	11.3
K290113		6.29	<0.005	0.15	6.72	17.9	1730	1.73	0.08	1.79	0.15	37.1	5.9	11	19.90	8.7
K290114		3.22	0.101	1.00	6.86	263	2180	1.60	0.27	1.85	0.47	39.9	9.9	10	22.6	11.3
K290115		0.96	6.21	2.53	6.35	9380	1250	1.40	0.10	2.16	10.75	44.2	6.5	10	18.50	15.5
K290116		5.49	<0.005	0.06	0.07	48.6	30	0.09	0.02	20.9	0.11	1.50	0.7	1	0.30	1.9
K290117		2.57	0.013	0.20	7.16	37.8	1950	1.66	0.21	1.59	0.17	47.3	5.5	11	18.25	19.2
K290118		2.91	1.040	2.45	5.58	1400	1330	1.43	0.30	1.05	2.43	46.3	4.7	12	11.05	15.0
K290119		0.91	0.555	11.25	5.88	1100	1150	1.73	0.13	1.60	14.25	47.3	5.3	11	29.1	14.7
K290120		4.22	0.024	0.36	7.06	72.5	940	1.66	0.21	1.88	0.52	46.5	7.0	11	14.85	5.4
K290121			0.862	11.55	6.44	1535	540	1.48	11.35	1.84	31.7	48.5	17.8	19	12.75	290
K290122		2.58	<0.005	0.35	6.83	82.4	3280	1.66	0.24	1.65	0.90	49.5	4.9	10	16.85	6.6
K290123		1.45	2.69	>100	4.71	4620	2660	1.12	0.68	2.42	25.8	36.1	9.5	13	7.65	358
K290124		1.51	0.083	2.45	7.06	152.0	1230	1.59	0.93	2.04	6.17	60.2	33.0	11	16.40	7.2
K290125		1.52	1.230	1.37	6.82	163.0	2910	1.41	0.54	1.76	2.82	59.8	10.2	10	15.15	4.3
K290126			2.49	0.87	6.75	201	2730	1.50	0.49	1.79	2.49	55.8	9.2	10	14.90	3.3
K290127		1.72	0.254	7.06	6.75	1380	740	0.94	1.33	1.23	26.1	68.1	5.0	11	6.66	11.0
K290128		1.07	0.010	0.35	7.29	28.6	2730	1.44	0.36	1.62	0.48	50.0	11.8	11	12.95	3.5
K290129		1.63	1.630	2.15	7.55	243	2110	1.52	2.75	0.22	2.43	61.0	11.5	9	24.4	26.1
K290130		2.57	0.018	0.65	6.94	119.0	810	1.42	0.16	0.49	0.73	52.2	6.5	11	25.7	10.9
K290131		1.99	0.087	1.06	5.26	569	1300	1.50	0.11	0.18	1.83	45.3	14.1	11	13.05	8.3
K290132		2.03	<0.005	0.26	6.90	14.9	2810	1.48	0.48	2.24	0.11	53.9	7.8	21	6.08	9.1
K290133		2.76	0.057	0.62	6.55	65.5	1740	1.45	0.56	3.08	0.14	52.7	15.2	12	11.45	17.6
K290134		5.77	<0.005	0.03	0.05	1.6	90	<0.05	0.02	20.9	0.08	1.30	0.6	1	0.14	1.8
K290135		4.54	<0.005	1.95	6.48	32.8	1770	1.41	0.18	3.11	0.11	45.3	5.4	12	12.10	9.3
K290136		1.00	6.53	2.56	6.32	17.2	650	1.45	4.51	3.16	0.21	43.4	31.8	11	8.64	6.2
K290137		10.52	0.006	0.12	7.38	7.1	2330	1.66	0.12	2.65	0.10	52.7	8.0	21	7.13	15.9
K290138		5.57	0.012	0.11	7.31	7.0	2290	1.58	0.17	2.49	0.08	55.5	7.7	20	7.07	15.8
K290139		11.65	<0.005	0.08	7.15	6.8	2390	1.48	0.15	2.50	0.06	50.2	7.0	19	7.45	10.1
K290140		4.95	<0.005	0.18	6.90	15.5	2530	1.39	0.38	2.25	0.08	48.1	6.8	17	8.22	6.3
K290141			0.346	4.26	6.61	708	580	1.35	3.18	2.03	10.25	52.7	11.2	25	12.35	315
K290142		1.94	<0.005	0.11	7.62	7.4	2360	1.30	0.93	1.62	0.10	52.5	8.0	11	11.75	7.2
K290143		3.41	0.095	0.35	7.55	111.0	2200	1.47	0.24	1.21	0.76	59.9	7.6	12	12.85	11.8
K290144		1.74	0.016	0.48	7.39	57.8	1830	1.28	0.06	1.32	0.80	51.5	6.3	11	22.4	8.4
K290145		6.06	<0.005	0.14	6.90	10.1	1880	1.08	0.19	2.72	0.11	47.0	7.5	11	8.23	17.8
K290146		5.27	0.139	0.27	7.49	5.9	2170	1.33	0.90	2.06	0.09	43.3	11.7	12	9.58	9.2

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 29-AUG-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15123380

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
K290111		2.58	15.60	0.15	1.1	0.040	2.14	17.9	145.5	0.68	1620	1.78	0.04	7.2	4.0	550
K290112		2.57	15.95	0.14	1.2	0.043	2.96	18.4	167.5	0.55	932	1.18	0.10	7.6	2.5	560
K290113		2.55	16.55	0.13	1.2	0.043	2.43	16.6	164.0	0.58	985	0.98	0.05	8.0	2.3	600
K290114		3.00	16.00	0.16	1.1	0.090	3.62	17.7	73.4	0.65	1840	1.33	0.08	7.6	2.5	600
K290115		3.21	14.75	0.14	1.0	0.069	3.25	21.7	43.3	0.65	2390	1.32	0.08	7.1	2.7	560
K290116		0.48	0.36	0.16	<0.1	<0.005	0.03	0.7	2.0	13.00	211	0.09	<0.01	0.2	1.3	210
K290117		2.55	15.55	0.21	1.6	0.056	3.63	24.0	71.8	0.58	722	2.38	0.39	7.6	2.0	500
K290118		1.58	11.75	0.21	2.0	0.062	3.42	26.8	44.1	0.41	1200	6.81	0.05	6.0	1.5	140
K290119		2.42	13.30	0.15	0.9	0.085	2.35	26.7	55.3	0.57	4020	1.57	0.02	5.7	2.7	390
K290120		2.95	16.05	0.15	1.1	0.099	2.52	23.4	141.0	0.75	1520	1.94	0.02	7.3	2.6	580
K290121		6.56	15.55	0.14	1.1	0.765	2.90	24.6	19.4	0.75	1820	8.40	0.13	6.2	12.4	530
K290122		3.37	16.10	0.14	1.2	0.145	3.47	25.0	89.6	0.70	1950	1.45	0.09	7.4	2.4	620
K290123		5.56	11.45	0.11	0.8	0.148	2.21	18.2	19.0	0.71	20300	2.82	<0.01	4.7	2.4	340
K290124		3.94	16.35	0.13	1.2	0.134	2.92	32.3	58.4	0.86	3450	2.30	0.02	7.1	3.1	560
K290125		3.91	15.20	0.18	1.0	0.167	3.19	33.0	50.1	0.87	2870	2.19	0.02	6.6	2.5	540
K290126		3.86	15.25	0.14	1.1	0.161	3.21	30.3	53.0	0.86	2890	2.29	0.02	6.6	2.5	540
K290127		5.15	13.80	0.15	1.1	0.218	3.31	37.7	7.9	0.59	9370	1.32	0.02	6.6	2.5	580
K290128		2.81	16.05	0.16	1.2	0.091	3.72	25.8	47.5	0.61	1670	1.69	0.56	7.5	2.2	610
K290129		6.40	16.75	0.16	1.1	0.178	3.74	37.7	15.2	0.21	3510	9.00	0.33	7.1	3.3	700
K290130		2.52	14.80	0.13	1.3	0.060	2.74	31.4	70.4	0.17	1440	2.22	0.03	7.3	5.0	560
K290131		5.71	12.10	0.13	1.0	0.069	2.21	27.2	56.5	0.17	6390	5.42	0.02	5.3	4.0	470
K290132		3.71	15.00	0.13	1.2	0.156	3.26	26.9	9.3	0.73	932	0.47	1.74	7.3	2.9	600
K290133		4.41	13.50	0.13	1.1	0.185	3.34	28.7	12.3	1.03	3150	0.43	0.55	6.4	2.5	540
K290134		0.47	0.19	0.13	<0.1	0.005	0.03	0.6	1.3	13.00	214	0.06	0.01	0.1	1.2	220
K290135		2.62	15.10	0.19	1.2	0.055	3.22	19.9	16.3	0.89	1020	0.52	1.09	7.6	2.4	610
K290136		4.76	14.25	0.16	1.1	0.130	3.22	19.9	10.6	0.59	1540	0.47	1.03	6.6	3.0	510
K290137		3.13	16.55	0.16	1.4	0.049	2.79	25.2	14.4	0.97	814	0.60	2.45	8.4	3.1	660
K290138		3.08	16.05	0.13	1.4	0.040	2.72	27.5	13.6	0.93	757	0.57	2.39	8.1	3.0	660
K290139		2.99	15.95	0.13	1.3	0.059	2.87	24.6	12.0	0.85	742	0.54	2.28	7.7	3.0	630
K290140		3.44	15.10	0.15	1.3	0.144	2.98	23.9	10.2	0.77	952	0.48	1.99	7.6	3.0	640
K290141		5.01	14.85	0.15	1.1	0.302	3.05	29.1	22.7	0.77	1910	13.25	0.15	5.7	13.6	520
K290142		3.37	16.90	0.14	1.5	0.060	3.08	25.1	36.0	0.55	797	0.54	0.27	9.3	3.1	760
K290143		4.31	16.40	0.14	1.1	0.157	3.50	32.3	26.5	0.63	2400	0.64	0.08	7.5	2.8	650
K290144		2.64	15.90	0.15	1.2	0.045	3.53	26.3	38.8	0.49	2230	0.61	0.11	7.5	2.5	620
K290145		2.84	15.90	0.14	1.1	0.053	2.79	22.5	35.4	0.64	910	0.46	0.25	7.6	2.4	610
K290146		2.87	16.15	0.13	1.2	0.047	2.87	20.9	34.2	0.64	600	0.40	0.62	7.7	2.6	680

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Finalized Date: 29-AUG-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15123380

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
K290111		134.5	74.1	0.006	0.18	17.55	8.8	1	1.7	239	0.60	<0.05	10.3	0.235	1.61	4.5
K290112		20.7	111.0	0.003	0.03	17.60	9.0	1	1.5	193.5	0.68	<0.05	10.9	0.239	1.51	2.9
K290113		17.2	88.2	0.004	0.09	17.65	9.3	1	1.6	282	0.61	<0.05	10.0	0.251	1.63	2.3
K290114		21.2	137.0	0.006	1.07	19.65	9.2	1	2.0	170.5	0.59	<0.05	11.1	0.256	2.52	6.0
K290115		67.3	124.5	0.003	1.60	71.8	8.6	1	4.3	162.0	0.58	<0.05	10.5	0.237	2.32	2.9
K290116		2.3	2.1	0.003	<0.01	0.58	0.2	<1	<0.2	48.0	<0.05	<0.05	0.2	<0.005	0.02	0.6
K290117		20.5	146.5	0.003	0.09	13.60	8.2	1	2.0	175.5	0.76	<0.05	18.5	0.213	1.90	5.5
K290118		107.5	175.5	0.005	0.59	38.8	3.0	1	1.7	93.4	1.02	<0.05	26.4	0.074	2.12	10.9
K290119		1215	127.0	0.002	1.19	57.3	7.3	<1	1.6	152.0	0.44	<0.05	10.6	0.195	1.87	12.7
K290120		42.8	95.9	0.004	0.30	14.80	9.5	1	1.8	236	0.55	<0.05	11.1	0.243	2.06	4.9
K290121		1320	162.5	0.006	4.52	68.5	9.0	2	7.8	96.8	0.51	1.14	10.7	0.203	2.51	5.1
K290122		49.2	142.0	0.003	0.27	23.2	9.8	1	2.3	175.0	0.58	<0.05	10.6	0.255	2.32	4.6
K290123		6280	132.0	0.003	5.17	483	6.1	1	2.8	83.9	0.36	0.16	8.7	0.149	1.99	5.1
K290124		298	148.5	0.002	1.15	24.7	9.8	1	2.2	169.5	0.58	0.12	13.1	0.237	2.51	6.3
K290125		116.5	174.0	0.002	0.49	22.2	9.4	1	2.7	163.0	0.53	0.08	13.6	0.224	2.57	5.1
K290126		100.0	165.5	0.004	0.48	20.9	9.3	1	2.7	163.5	0.52	0.08	12.8	0.227	2.48	5.0
K290127		1205	190.5	0.007	3.17	20.9	9.2	<1	2.8	41.1	0.53	0.16	13.5	0.230	3.13	5.6
K290128		36.2	151.0	0.003	0.22	13.70	9.1	1	1.8	190.0	0.61	0.05	12.9	0.251	2.17	4.1
K290129		48.1	210	0.003	0.01	15.15	10.5	1	2.6	61.9	0.56	0.40	12.8	0.247	3.28	15.6
K290130		26.7	151.5	0.003	0.01	32.0	9.1	1	1.6	43.6	0.61	<0.05	13.6	0.240	2.47	6.2
K290131		47.7	135.5	0.003	0.05	44.1	9.5	1	1.4	57.5	0.45	<0.05	11.0	0.178	2.33	13.8
K290132		16.1	127.0	0.003	0.04	4.45	9.0	1	1.4	257	0.58	<0.05	11.5	0.244	1.50	4.0
K290133		23.8	186.0	<0.002	0.87	11.20	8.4	1	1.3	111.0	0.52	<0.05	12.2	0.216	2.34	3.8
K290134		2.0	1.3	0.003	<0.01	0.15	0.1	<1	<0.2	49.5	<0.05	<0.05	<0.2	<0.005	<0.02	1.1
K290135		17.7	117.0	0.003	0.08	7.70	8.8	1	1.4	215	0.59	<0.05	10.3	0.254	1.75	3.8
K290136		25.4	132.5	0.005	2.44	4.20	8.1	1	2.1	219	0.54	0.81	10.7	0.225	1.74	4.7
K290137		16.8	96.9	0.004	0.01	1.51	11.1	<1	1.6	429	0.65	<0.05	11.5	0.276	1.00	3.9
K290138		15.4	96.5	0.005	0.02	1.39	10.7	1	1.6	419	0.64	<0.05	12.1	0.274	0.97	4.2
K290139		15.5	99.6	0.004	0.02	1.62	9.6	<1	1.5	392	0.60	<0.05	11.7	0.260	1.02	4.1
K290140		13.7	110.5	0.004	0.07	3.59	9.3	1	1.5	267	0.58	<0.05	11.4	0.256	1.32	2.8
K290141		501	156.0	0.006	2.63	28.2	8.2	1	5.2	107.0	0.45	0.30	10.9	0.200	2.36	5.0
K290142		17.5	106.5	0.003	0.02	14.75	10.6	1	1.9	124.0	0.69	<0.05	11.9	0.305	1.30	2.6
K290143		30.3	175.5	0.007	0.54	25.5	10.6	1	1.7	91.7	0.56	0.10	14.1	0.269	2.18	5.7
K290144		66.0	157.0	0.004	0.19	30.1	9.4	1	1.5	103.0	0.63	<0.05	11.8	0.261	1.95	3.9
K290145		16.8	85.0	0.003	0.02	18.30	9.7	1	1.7	155.0	0.60	<0.05	10.5	0.259	1.28	4.1
K290146		15.7	86.8	0.004	0.17	8.37	8.8	1	1.9	182.5	0.64	0.09	11.3	0.266	1.07	2.1

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
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www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 29-AUG-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15123380

Sample Description	Method Analyte Units LOR	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Ag-OG62 Ag ppm 1
K290111		67	3.0	12.9	218	27.8	
K290112		65	3.2	13.0	58	28.6	
K290113		67	4.1	12.2	62	28.5	
K290114		69	4.3	12.8	81	24.6	
K290115		63	5.6	11.8	1030	25.3	
K290116		2	0.2	0.9	16	<0.5	
K290117		57	2.3	12.5	47	37.4	
K290118		21	2.7	9.0	261	47.0	
K290119		55	2.5	11.4	1060	22.1	
K290120		67	5.6	13.0	93	30.7	
K290121		62	5.7	11.7	2410	28.7	
K290122		73	4.5	13.1	127	32.7	
K290123		41	6.6	11.2	2700	20.6	191
K290124		69	4.9	14.0	551	32.5	
K290125		67	9.8	12.4	263	27.0	
K290126		67	9.6	12.1	250	29.2	
K290127		62	17.8	10.8	2990	26.1	
K290128		68	7.4	13.7	90	33.9	
K290129		75	22.6	28.8	200	32.2	
K290130		71	12.4	17.7	91	35.6	
K290131		76	19.2	22.1	202	24.9	
K290132		69	4.4	14.4	73	31.1	
K290133		61	4.1	16.0	71	27.7	
K290134		2	0.1	0.8	16	<0.5	
K290135		68	4.2	14.0	56	33.9	
K290136		65	15.7	14.6	67	27.4	
K290137		78	1.0	19.5	60	35.7	
K290138		78	1.0	19.4	57	34.9	
K290139		72	1.2	17.2	56	34.0	
K290140		71	2.6	14.7	64	35.0	
K290141		65	5.1	11.8	886	28.5	
K290142		86	4.7	16.6	70	37.1	
K290143		76	5.5	15.8	135	31.2	
K290144		73	7.9	15.7	173	29.1	
K290145		73	4.5	18.8	57	27.0	
K290146		75	6.2	13.2	54	29.4	

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: Klaza

Finalized Date: 29-AUG-2015
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH15123380

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Ag-OG62	Au-AA24	ME-MS61	ME-OG62

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 27-AUG-2015
Account: ROCKHA

CERTIFICATE WH15123383

Project: Klaza

P.O. No.: BATCH 117

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 17-AUG-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21d	Sample logging - ClientBarCode Dup
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
BAG-06	Double Bagging Coarse Rejects
SPL-21d	Split sample - duplicate
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31d	Pulverize Split - duplicate

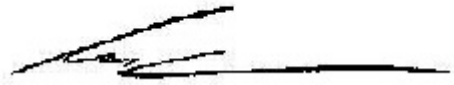
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
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VANCOUVER BC V6B 1L8

Finalized Date: 27-AUG-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15123383

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
K289755		2.50	0.005	0.43	6.72	42.4	1920	1.81	0.31	3.72	2.13	46.9	8.9	6	21.7	27.9
K289756		3.68	0.036	1.85	6.23	146.5	1410	1.31	0.10	2.87	8.41	45.1	5.4	7	18.50	41.2
K289757		3.59	<0.005	0.45	6.69	14.9	1820	1.37	0.11	2.34	0.71	41.8	5.4	10	11.85	10.1
K289758		3.84	<0.005	0.09	5.68	10.4	1120	1.17	0.10	2.38	0.17	30.7	2.3	6	10.30	2.8
K289759		<0.02	<0.005	0.20	5.59	11.9	1260	1.17	0.09	2.39	0.16	30.7	2.6	7	10.35	3.6
K289760		2.55	<0.005	0.11	5.98	13.5	1150	1.50	0.25	3.29	0.19	33.2	6.2	9	16.30	3.1
K289761		2.66	<0.005	0.16	6.69	19.9	1230	1.21	0.17	4.60	0.34	42.9	6.0	8	12.20	2.3
K289762		0.51	0.335	4.38	6.42	707	450	1.24	3.36	2.03	10.30	44.7	11.3	26	12.25	321
K289763		3.31	<0.005	0.11	6.75	13.1	1570	1.49	0.19	3.70	0.29	41.3	6.7	10	14.10	5.4
K289764		3.28	0.063	0.24	6.76	5.9	1890	1.51	0.07	3.53	0.13	43.5	7.8	10	10.60	5.7
K289765		1.55	0.021	0.41	5.31	163.0	1080	1.06	0.10	4.22	0.24	45.3	6.0	7	15.15	4.6
K289766		4.80	<0.005	0.03	0.06	0.9	30	0.06	0.01	21.0	0.06	1.23	0.6	1	0.16	3.5
K289767		2.77	<0.005	0.07	7.75	17.0	1700	1.52	0.10	1.50	0.09	41.9	7.7	10	17.20	4.6
K289768		5.49	<0.005	0.04	7.11	2.8	1960	1.51	0.05	2.63	0.07	41.2	7.7	10	13.10	3.9
K289769		3.63	<0.005	0.07	6.80	8.1	2460	1.29	0.12	3.52	0.22	42.3	6.7	8	13.25	4.1
K289770		2.37	<0.005	0.09	7.80	9.0	1660	1.27	0.13	1.53	0.17	39.6	7.0	10	19.80	6.2
K289771		2.09	0.005	0.59	7.02	53.2	1370	1.45	0.10	2.38	0.33	42.9	8.0	9	15.50	9.3
K289772		3.08	<0.005	0.06	7.59	3.5	2210	1.33	0.05	2.98	0.07	52.0	8.0	13	5.59	5.4
K289773		1.51	<0.005	0.10	7.23	2.0	2200	1.27	0.05	2.85	0.08	44.7	7.6	11	4.79	5.7
K289774		5.62	<0.005	0.07	7.32	6.3	1950	1.31	0.12	2.88	0.05	48.3	7.9	13	8.14	5.0
K289775		1.55	<0.005	0.15	6.83	9.9	1620	1.25	0.11	2.62	0.19	39.2	6.2	9	11.65	4.0
K289776		1.07	0.038	0.56	5.26	57.5	1380	1.00	0.25	8.05	1.34	41.9	7.1	6	13.75	7.5
K289777		5.14	<0.005	0.02	0.06	0.7	110	0.05	0.01	20.9	0.05	1.29	0.6	1	0.19	2.5
K289778		0.81	0.007	0.44	6.36	59.5	2510	1.70	0.11	6.11	0.41	61.5	4.5	17	21.8	11.1
K289779		1.26	0.015	0.30	6.65	99.5	1610	1.60	0.35	6.26	1.39	42.8	8.3	6	23.5	4.1
K289780		1.39	<0.005	0.06	7.40	1.9	2100	1.60	0.10	2.88	0.07	44.7	8.2	10	9.71	6.8
K289781		0.34	0.943	11.15	6.13	1535	240	1.40	10.70	1.80	30.3	41.3	16.9	19	11.95	285
K289782		2.42	<0.005	0.13	7.02	7.8	1930	1.40	0.10	2.58	0.20	39.8	8.0	11	11.50	8.5
K289783		1.86	2.73	0.72	6.74	15.5	1100	1.44	1.03	1.94	1.00	49.0	10.6	11	13.70	11.2
K289784		3.80	0.005	0.11	7.02	6.7	1790	1.35	0.09	2.39	0.20	43.1	7.5	11	14.45	6.4
K289785		3.29	0.009	0.20	6.67	28.8	1750	1.29	0.14	2.15	0.37	41.5	6.7	9	11.20	9.7
K289786		4.57	<0.005	0.11	7.07	3.6	1870	1.25	0.08	2.17	0.12	45.4	7.7	11	10.75	9.0
K289787		1.87	0.021	0.70	6.90	68.2	950	1.28	0.10	2.55	0.83	45.5	8.0	10	13.85	26.9
K289788		2.83	<0.005	0.27	7.29	22.3	1770	1.37	0.07	2.03	2.38	40.9	7.6	10	14.65	7.0
K289789		0.99	0.146	1.91	6.62	268	920	1.22	0.23	3.42	6.60	43.9	9.5	8	19.85	6.8
K289790		4.77	<0.005	0.12	7.03	5.8	1870	1.27	0.07	2.80	0.15	40.7	7.7	11	16.30	7.0

***** See Appendix Page for comments regarding this certificate *****

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 27-AUG-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15123383

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
K289755		2.64	13.55	0.15	1.4	0.044	2.22	22.7	60.6	1.02	999	0.61	0.11	7.3	2.1	540
K289756		2.00	12.40	0.14	1.2	0.137	2.57	22.8	72.8	0.72	1080	0.60	0.04	6.3	1.5	430
K289757		2.28	12.90	0.14	1.2	0.037	3.14	19.8	17.8	0.54	621	0.98	1.69	6.7	1.8	470
K289758		1.05	9.44	0.13	1.7	0.013	2.49	14.8	15.0	0.38	684	0.26	0.78	5.1	0.6	50
K289759		1.15	9.65	0.13	1.7	0.012	2.51	14.5	17.7	0.42	696	0.26	0.78	5.3	0.8	60
K289760		2.00	13.90	0.16	1.0	0.064	3.43	13.3	7.2	0.36	1360	0.84	0.27	7.2	1.6	540
K289761		3.14	14.70	0.15	1.2	0.076	3.06	17.6	70.2	1.07	2010	0.09	0.78	8.1	2.0	720
K289762		4.99	13.95	0.13	1.0	0.280	3.01	23.0	23.1	0.74	1920	13.50	0.15	5.7	13.2	520
K289763		3.19	14.85	0.14	1.1	0.051	2.98	19.2	30.5	0.82	1380	1.77	0.57	7.6	2.2	670
K289764		3.42	14.65	0.12	1.0	0.035	2.65	19.6	55.9	0.81	1180	0.51	1.32	7.6	2.5	630
K289765		2.47	10.35	0.15	1.2	0.041	2.22	23.8	52.3	1.28	1580	1.25	0.04	5.3	1.8	440
K289766		0.47	0.23	0.18	<0.1	<0.005	0.02	0.6	1.5	12.95	203	0.42	0.01	0.1	1.2	200
K289767		3.36	15.90	0.20	1.4	0.057	3.06	18.4	55.8	0.69	596	0.73	0.42	7.5	2.4	640
K289768		3.11	14.05	0.17	1.4	0.042	2.72	17.3	16.0	0.87	783	1.49	1.59	7.5	2.3	640
K289769		2.75	14.30	0.16	1.3	0.035	2.15	19.1	61.3	0.77	824	0.52	0.61	7.3	2.1	590
K289770		2.97	15.25	0.12	1.7	0.037	2.65	17.2	77.0	0.66	498	0.68	0.27	8.1	2.5	670
K289771		3.79	15.40	0.15	1.3	0.128	3.51	19.3	48.9	0.76	2110	0.36	0.16	6.9	2.6	640
K289772		3.20	14.85	0.16	1.4	0.045	2.77	25.3	9.7	0.95	946	0.35	2.07	7.0	2.4	630
K289773		3.10	13.85	0.17	1.3	0.036	2.71	20.5	8.6	0.92	846	0.36	2.09	6.7	2.3	620
K289774		3.38	14.40	0.14	1.5	0.071	2.88	22.6	8.8	0.91	1360	0.38	1.67	7.0	2.3	650
K289775		2.87	14.05	0.16	1.5	0.076	3.04	16.9	21.4	0.76	1580	0.30	0.96	7.1	2.0	570
K289776		3.59	10.35	0.13	1.1	0.100	2.62	21.9	12.5	1.77	4070	0.28	0.03	4.9	2.7	430
K289777		0.46	0.26	0.17	<0.1	<0.005	0.03	0.6	1.3	12.95	204	<0.05	0.01	0.2	1.2	190
K289778		2.88	13.45	0.19	2.8	0.059	2.42	31.5	66.0	1.39	3050	4.22	0.04	8.4	3.7	1060
K289779		4.29	12.70	0.17	1.2	0.110	2.82	21.9	16.4	1.38	3070	0.24	0.55	5.6	1.9	480
K289780		3.10	14.60	0.16	1.3	0.029	2.62	21.8	11.1	0.86	694	1.17	2.22	7.2	2.5	620
K289781		6.40	13.65	0.15	1.1	0.750	2.83	19.2	18.0	0.72	1780	8.69	0.12	6.0	11.4	520
K289782		3.33	14.05	0.14	1.3	0.041	2.64	16.8	16.1	0.78	705	1.59	1.59	7.1	2.5	620
K289783		3.94	13.75	0.15	1.1	0.101	3.01	25.3	62.2	0.89	1920	0.74	0.10	6.3	2.3	540
K289784		3.38	14.75	0.16	1.3	0.064	2.94	18.8	56.3	0.75	1400	1.39	0.90	7.2	2.2	640
K289785		3.19	13.65	0.15	1.4	0.085	2.87	18.2	32.9	0.72	1690	1.51	0.56	6.9	1.9	590
K289786		3.12	14.50	0.15	1.6	0.039	2.74	20.9	17.4	0.69	813	1.27	1.27	7.2	2.5	620
K289787		3.45	14.00	0.16	1.3	0.188	3.67	21.9	23.8	0.79	3680	0.85	0.20	6.6	2.3	590
K289788		3.16	14.60	0.15	1.3	0.036	2.79	17.6	34.7	0.78	778	2.78	1.08	7.3	2.4	630
K289789		3.64	13.35	0.13	1.1	0.130	3.06	21.0	62.6	1.16	2380	2.04	0.09	6.3	2.3	580
K289790		3.02	14.15	0.16	1.3	0.041	2.68	17.7	22.0	0.80	751	1.60	1.73	6.9	2.4	630

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 27-AUG-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15123383

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
K289755		172.0	75.1	0.005	0.24	8.74	8.5	1	1.7	284	0.71	<0.05	11.4	0.232	1.60	4.6
K289756		720	101.0	0.003	0.30	14.95	6.3	1	1.1	225	0.66	<0.05	12.8	0.186	2.07	7.1
K289757		90.2	105.5	0.002	0.05	3.54	6.9	1	1.2	329	0.68	<0.05	12.9	0.203	1.28	4.8
K289758		16.6	97.2	0.004	0.11	9.51	1.2	1	0.8	136.0	0.91	<0.05	25.1	0.040	1.30	8.5
K289759		16.5	94.8	0.002	0.12	9.49	1.2	<1	0.9	143.0	0.90	<0.05	22.1	0.044	1.30	8.0
K289760		15.4	127.0	0.003	0.26	15.55	7.2	1	1.4	154.5	0.59	<0.05	7.8	0.247	1.97	4.0
K289761		12.4	87.6	0.004	0.39	12.80	9.8	1	1.6	159.5	0.64	<0.05	8.2	0.290	2.28	2.1
K289762		493	140.0	0.006	2.65	27.5	7.9	1	5.3	105.5	0.45	0.29	8.7	0.203	2.35	4.8
K289763		17.5	95.1	0.003	0.16	9.71	9.5	1	1.5	226	0.56	<0.05	8.4	0.279	1.82	3.0
K289764		20.0	87.5	0.002	0.10	4.44	9.4	1	1.5	363	0.71	<0.05	8.8	0.270	1.23	4.2
K289765		18.5	122.0	0.003	0.25	24.4	7.4	1	1.3	192.5	0.56	<0.05	11.1	0.193	1.85	7.6
K289766		1.8	1.3	0.002	<0.01	0.10	0.1	<1	<0.2	47.0	<0.05	<0.05	<0.2	<0.005	0.02	0.6
K289767		20.5	122.5	0.006	0.07	7.66	11.1	1	1.7	226	0.69	<0.05	10.9	0.279	1.59	4.5
K289768		17.6	97.0	0.002	0.01	2.08	10.3	<1	1.5	434	0.63	<0.05	10.2	0.275	1.03	4.4
K289769		18.1	66.7	0.007	0.06	9.63	9.4	1	2.5	365	0.60	<0.05	10.8	0.257	1.07	4.0
K289770		18.6	91.2	0.009	0.03	8.79	10.1	1	1.6	207	0.76	<0.05	11.7	0.290	1.11	4.2
K289771		35.8	145.5	0.003	0.28	10.50	10.5	1	1.7	173.0	0.59	<0.05	9.4	0.271	2.33	4.0
K289772		19.7	102.0	0.005	0.03	1.35	11.0	1	1.5	401	0.58	<0.05	11.9	0.279	1.06	4.5
K289773		19.4	88.2	0.002	0.01	1.02	9.8	1	1.5	392	0.57	<0.05	10.0	0.276	1.00	3.9
K289774		19.8	118.0	0.003	0.12	2.77	10.3	1	1.8	336	0.60	<0.05	10.5	0.278	1.36	4.2
K289775		25.9	119.5	0.003	0.12	5.82	8.9	1	2.5	244	0.68	<0.05	10.0	0.255	1.75	4.2
K289776		29.9	174.5	0.006	0.81	17.10	6.9	1	2.3	263	0.44	<0.05	9.2	0.179	1.79	4.8
K289777		1.9	1.8	0.004	<0.01	0.07	0.2	<1	<0.2	46.9	<0.05	<0.05	<0.2	<0.005	0.02	0.7
K289778		13.2	125.0	0.004	0.22	20.8	7.7	1	1.5	392	0.58	<0.05	8.3	0.314	1.50	4.6
K289779		26.5	160.0	0.003	1.43	7.49	8.2	1	3.2	458	0.49	<0.05	8.7	0.206	1.56	4.3
K289780		17.3	89.5	0.006	0.01	1.04	10.7	1	1.3	419	0.64	<0.05	10.7	0.273	0.87	4.4
K289781		1305	147.5	0.007	4.42	63.1	8.4	2	7.4	90.7	0.46	0.97	8.7	0.200	2.29	5.0
K289782		21.8	83.2	0.004	0.03	2.77	9.9	1	1.5	354	0.63	<0.05	9.6	0.269	0.92	4.0
K289783		55.7	168.0	0.003	0.42	14.35	10.1	1	1.7	107.0	0.51	<0.05	11.3	0.240	2.12	4.1
K289784		22.3	109.0	<0.002	0.07	7.76	10.9	1	1.5	231	0.60	<0.05	9.7	0.282	1.48	3.8
K289785		22.7	116.0	0.004	0.32	9.00	9.4	1	1.6	146.0	0.64	<0.05	10.9	0.258	1.59	5.4
K289786		21.9	94.7	0.003	0.02	6.75	10.5	1	1.5	316	0.63	<0.05	10.6	0.271	1.07	4.0
K289787		51.5	188.0	0.004	0.60	16.35	9.5	1	2.0	136.5	0.53	<0.05	10.9	0.257	2.79	4.4
K289788		70.8	96.7	<0.002	0.05	6.51	10.1	1	1.5	306	0.62	<0.05	10.9	0.280	1.29	4.3
K289789		390	122.0	0.006	1.43	19.30	9.3	1	1.7	187.0	0.52	<0.05	9.4	0.249	2.27	5.0
K289790		21.7	93.5	0.002	0.03	4.55	9.5	1	1.4	409	0.56	<0.05	9.7	0.279	1.11	3.6

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 27-AUG-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15123383

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	V	W	Y	Zn	Zr
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	1	0.1	0.1	2	0.5
K289755		64	2.0	13.0	277	32.7
K289756		53	2.6	11.4	1080	26.8
K289757		58	1.7	11.4	128	30.7
K289758		8	0.5	7.0	30	39.5
K289759		9	0.6	6.9	30	39.9
K289760		72	1.8	9.2	55	26.5
K289761		69	1.8	10.8	88	30.5
K289762		65	5.3	10.5	894	29.5
K289763		83	1.6	11.6	81	27.6
K289764		79	1.8	17.3	65	22.5
K289765		58	3.3	15.0	65	27.6
K289766		2	0.1	0.8	15	<0.5
K289767		85	1.8	12.0	71	36.1
K289768		83	1.7	13.5	60	37.3
K289769		71	2.1	14.2	81	35.3
K289770		84	4.9	11.6	64	41.3
K289771		85	6.0	12.7	110	35.9
K289772		84	0.6	16.6	63	38.2
K289773		81	0.5	14.9	61	36.7
K289774		84	1.4	15.6	64	39.3
K289775		74	2.7	12.8	69	41.1
K289776		66	4.5	14.2	180	30.9
K289777		2	0.1	0.8	15	<0.5
K289778		63	5.6	14.3	82	108.5
K289779		70	4.8	14.3	210	32.2
K289780		81	0.6	15.6	59	36.3
K289781		61	5.6	9.9	2380	27.4
K289782		82	1.8	14.5	64	34.3
K289783		74	3.4	13.1	166	27.0
K289784		89	2.7	15.1	76	31.9
K289785		75	3.5	11.6	99	34.1
K289786		81	3.3	15.1	68	39.5
K289787		76	5.1	12.7	173	34.7
K289788		84	1.7	12.6	213	35.2
K289789		77	6.6	14.5	548	29.9
K289790		82	1.8	12.2	63	34.8

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 27-AUG-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15123383

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	ME-MS61

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 29-AUG-2015
Account: ROCKHA

CERTIFICATE WH15123384

Project: Klaza

P.O. No.: BATCH 118

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 17-AUG-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21d	Sample logging - ClientBarCode Dup
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
BAG-06	Double Bagging Coarse Rejects
SPL-21d	Split sample - duplicate
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31d	Pulverize Split - duplicate

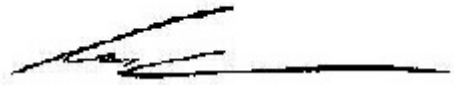
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Pb-OG62	Ore Grade Pb - Four Acid	VARIABLE
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	
Ag-OG62	Ore Grade Ag - Four Acid	VARIABLE
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.

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Finalized Date: 29-AUG-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15123384

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
K290147		1.79	2.16	0.64	7.39	8.9	2250	1.23	0.37	1.83	0.07	44.3	34.7	12	9.17	16.0
K290148		6.45	<0.005	0.07	7.91	8.0	2210	1.28	0.25	0.77	0.15	46.9	6.6	12	10.50	9.7
K290149		6.01	<0.005	0.08	7.32	9.1	2200	1.54	0.11	1.89	0.09	42.3	7.6	14	22.0	5.4
K290150		2.57	0.131	0.92	6.52	294	2270	1.37	0.39	2.10	0.72	41.0	6.7	12	15.30	7.5
K290151		5.57	0.058	0.69	7.18	109.5	2280	1.43	0.10	2.15	1.14	43.3	6.6	14	13.80	8.5
K290152		4.17	0.312	4.01	6.52	736	1380	1.45	0.10	3.15	2.06	41.3	7.6	11	17.05	17.7
K290153		11.05	0.038	0.16	7.09	20.5	2400	1.49	0.08	2.49	0.11	44.8	7.6	17	15.75	10.6
K290154		<0.02	0.071	0.13	6.93	20.3	2220	1.56	0.16	2.48	0.09	39.1	9.0	15	16.00	10.5
K290155		8.60	0.041	0.33	6.90	34.5	2250	1.56	0.09	2.65	0.14	40.8	9.3	17	18.00	8.6
K290156		1.42	0.442	11.05	5.25	1875	1180	1.15	0.09	6.57	13.35	39.4	7.0	7	11.55	15.5
K290157		5.25	<0.005	0.02	0.06	1.7	20	0.06	0.02	20.8	0.09	1.11	0.6	<1	0.16	7.1
K290158		10.51	0.033	0.11	7.28	8.9	2130	1.61	0.14	2.72	0.09	44.2	8.1	16	15.45	6.1
K290159		2.28	0.111	0.12	6.53	21.9	2170	1.31	0.10	3.29	0.05	41.0	6.8	12	14.05	6.4
K290160		8.14	0.006	0.15	7.05	14.6	2420	1.60	0.14	2.60	0.20	40.6	8.3	14	12.35	10.7
K290161		2.01	0.046	2.86	6.89	249	840	1.70	0.13	1.81	13.65	36.5	6.9	13	15.35	22.9
K290162		5.66	<0.005	0.11	7.22	9.5	2200	1.54	0.12	2.70	0.07	41.0	8.2	16	13.75	9.6
K290163		3.50	<0.005	0.09	7.07	8.8	2240	1.57	0.09	2.65	0.10	40.9	8.4	14	12.95	9.2
K290164		1.57	0.010	4.85	7.06	117.5	1140	1.52	0.08	3.45	3.13	46.7	7.7	12	18.15	33.4
K290165		2.13	0.010	0.70	7.24	306	1890	1.58	0.10	2.36	1.48	44.4	7.2	13	9.53	11.8
K290166		1.83	<0.005	0.09	7.27	7.1	2220	1.60	0.09	2.56	0.06	46.4	7.6	16	8.75	11.5
K290167		7.22	0.011	0.63	7.67	169.5	2780	1.53	0.19	0.99	5.55	39.8	5.1	10	15.35	4.3
K290168		1.66	0.996	>100	6.32	4370	2420	1.24	0.44	0.28	97.8	39.3	5.8	11	9.99	173.5
K290169		0.33	0.919	11.90	6.61	1595	670	1.42	12.20	1.86	34.0	45.7	18.1	19	14.35	294
K290170		2.18	0.022	2.11	6.68	116.5	2080	1.69	0.20	1.44	26.5	32.5	5.8	9	19.45	12.9
K290171		2.13	0.031	3.62	7.39	139.0	2960	1.83	0.19	0.24	12.35	42.4	5.7	8	23.9	9.4
K290172		5.95	0.011	0.74	7.42	50.5	1850	1.59	0.17	1.40	6.07	41.4	6.8	10	21.4	5.9
K290173		9.89	<0.005	0.26	7.23	12.5	2100	1.69	0.14	1.82	1.93	48.4	5.1	11	13.15	3.8
K290174		4.84	0.005	1.86	7.19	16.7	2240	1.66	0.17	2.26	1.45	47.6	6.8	10	12.20	5.8
K290175		0.31	0.380	4.68	6.64	705	820	1.45	3.55	2.01	10.85	48.8	12.2	25	13.85	314
K290176		10.17	<0.005	0.12	7.34	7.7	2130	1.64	0.16	2.28	0.36	46.6	6.2	14	9.91	3.7
K290177		1.39	<0.005	0.09	7.09	6.4	2540	1.81	0.12	2.26	0.55	46.3	6.2	13	14.80	3.0
K290178		1.07	0.057	7.95	6.20	75.3	1490	1.70	0.20	2.34	75.6	34.3	6.7	12	24.8	47.2
K290179		5.08	<0.005	0.04	0.05	<0.2	30	0.05	0.02	20.4	0.18	1.13	0.6	<1	0.16	3.6
K290180		7.89	<0.005	0.18	7.07	7.2	2090	1.61	0.15	2.26	0.78	41.7	5.9	11	16.55	5.3
K290181		10.90	0.013	1.40	7.23	13.2	2050	1.56	0.20	2.13	3.69	51.2	6.6	14	12.25	11.7
K290182		11.08	0.005	0.49	6.91	16.4	1950	1.60	0.38	2.20	2.72	44.3	11.0	11	18.35	4.2

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 29-AUG-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15123384

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
K290147		3.93	16.25	0.14	1.1	0.075	3.01	24.2	22.8	0.80	978	0.94	0.69	7.8	6.6	650
K290148		3.06	17.35	0.13	1.1	0.081	2.78	25.6	35.0	0.40	879	0.53	0.15	8.4	2.9	640
K290149		2.94	16.55	0.15	1.2	0.048	3.06	21.8	23.4	0.58	696	0.59	1.31	8.4	2.9	640
K290150		3.46	15.00	0.18	1.0	0.153	3.66	22.0	20.8	0.77	1950	0.72	0.11	7.2	3.0	550
K290151		3.06	16.45	0.15	1.1	0.054	3.35	22.3	11.5	0.70	1130	0.60	1.72	8.2	2.9	650
K290152		2.71	15.40	0.14	1.0	0.041	3.51	21.8	19.2	0.90	1980	0.60	0.25	7.6	2.7	590
K290153		3.06	16.05	0.14	1.2	0.058	3.18	23.5	11.5	0.78	962	0.60	1.66	8.0	4.4	630
K290154		3.05	16.00	0.14	1.2	0.050	3.07	19.9	9.8	0.76	823	0.50	1.81	8.0	2.9	610
K290155		3.20	16.70	0.13	1.2	0.059	2.88	20.8	25.8	0.75	1180	0.65	1.73	8.5	3.2	660
K290156		4.05	11.75	0.12	0.8	0.104	2.32	23.0	29.1	2.42	3550	1.77	0.04	5.3	2.4	420
K290157		0.46	0.17	<0.05	<0.1	0.005	0.02	0.6	1.0	12.85	202	0.10	0.01	0.1	1.2	180
K290158		2.92	16.55	0.15	1.2	0.038	2.80	23.5	18.2	0.79	723	3.55	1.92	7.9	3.0	640
K290159		3.44	15.25	0.15	1.2	0.068	2.96	21.6	15.6	0.97	1020	0.47	1.40	7.4	2.8	570
K290160		3.09	16.40	0.13	1.2	0.056	2.86	20.6	15.4	0.73	900	0.49	1.78	8.0	2.9	630
K290161		3.32	17.05	0.15	1.2	0.102	3.82	18.2	12.5	0.55	7580	0.46	0.07	7.9	2.9	620
K290162		3.23	16.80	0.13	1.3	0.055	2.97	20.8	28.3	0.79	969	0.44	1.62	8.3	3.0	680
K290163		3.28	16.70	0.15	1.3	0.056	2.94	20.2	24.4	0.81	991	0.47	1.69	8.4	3.0	670
K290164		3.37	15.95	0.12	1.2	0.089	2.60	25.6	92.1	1.15	4410	0.50	0.03	8.1	2.9	640
K290165		2.95	16.60	0.16	1.3	0.061	2.95	23.0	15.3	0.73	1850	0.57	1.69	8.3	2.9	610
K290166		2.96	16.35	0.13	1.2	0.041	2.81	24.6	12.5	0.78	737	0.54	2.11	8.2	2.9	620
K290167		3.02	17.50	0.13	1.2	0.033	3.26	20.7	23.7	0.20	1120	3.67	0.17	8.7	2.4	620
K290168		4.75	14.35	0.14	0.9	0.498	3.14	22.8	12.1	0.27	3380	3.75	0.03	6.1	1.7	470
K290169		6.62	15.90	0.16	1.1	0.789	2.95	25.2	20.0	0.77	1840	9.04	0.13	6.6	12.4	540
K290170		3.58	16.75	0.12	1.2	0.040	3.51	16.0	14.2	0.25	3800	4.75	0.03	8.0	2.4	560
K290171		4.50	16.80	0.15	1.1	0.052	3.38	23.8	15.9	0.24	8330	4.41	0.02	7.5	2.7	540
K290172		3.18	17.15	0.13	1.3	0.042	3.71	21.5	22.1	0.23	1400	2.67	0.48	8.3	2.3	580
K290173		2.56	16.00	0.13	1.6	0.032	3.22	26.3	17.2	0.43	897	1.42	1.35	8.1	2.1	510
K290174		2.94	16.50	0.16	1.5	0.052	2.97	25.4	20.9	0.59	1320	0.96	1.47	8.4	2.5	610
K290175		4.96	15.65	0.15	1.1	0.297	3.01	29.4	26.5	0.77	1880	15.20	0.15	6.3	14.4	510
K290176		2.75	16.15	0.14	1.7	0.039	2.80	25.1	12.6	0.74	641	1.28	2.35	8.5	2.7	580
K290177		2.64	16.05	0.12	1.6	0.037	2.83	24.4	11.9	0.65	606	1.39	2.28	9.0	2.6	560
K290178		3.92	15.25	0.14	1.4	0.095	2.98	16.8	24.8	0.37	2140	1.40	0.44	7.9	2.1	490
K290179		0.46	0.19	<0.05	<0.1	<0.005	0.02	0.6	1.2	12.50	202	5.04	0.01	0.1	1.3	190
K290180		2.68	15.85	0.16	1.6	0.038	2.99	21.8	13.3	0.55	680	1.09	1.85	8.5	2.2	550
K290181		2.80	16.30	0.14	1.3	0.042	2.88	28.5	11.2	0.66	754	1.70	1.98	8.6	2.6	580
K290182		2.74	15.65	0.12	1.4	0.065	2.98	21.9	15.1	0.51	873	2.06	1.58	8.6	2.3	560

***** See Appendix Page for comments regarding this certificate *****

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C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 29-AUG-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15123384

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
K290147		19.9	113.0	<0.002	0.74	7.61	10.5	1	1.8	162.0	0.63	0.26	12.7	0.260	1.30	2.3
K290148		16.7	111.5	<0.002	0.05	27.3	11.0	1	1.7	89.9	0.65	<0.05	13.7	0.277	1.23	3.5
K290149		15.6	109.0	<0.002	0.03	11.45	10.4	1	1.5	247	0.68	<0.05	12.0	0.273	1.35	3.6
K290150		33.2	181.5	<0.002	0.73	23.3	9.7	1	1.6	83.0	0.58	<0.05	11.1	0.239	2.48	5.7
K290151		70.5	144.0	<0.002	0.19	25.0	11.1	1	1.7	293	0.64	<0.05	11.9	0.277	1.67	3.4
K290152		109.0	156.0	<0.002	0.71	29.2	9.4	<1	1.6	143.0	0.59	<0.05	11.0	0.251	2.58	5.2
K290153		18.1	121.5	<0.002	0.12	4.80	10.1	<1	1.5	310	0.63	<0.05	11.8	0.259	1.72	3.5
K290154		15.5	109.5	<0.002	0.13	4.26	9.9	1	1.5	323	0.64	<0.05	10.7	0.259	1.62	3.6
K290155		19.9	103.5	<0.002	0.13	6.95	10.6	<1	1.6	333	0.69	<0.05	11.2	0.275	1.43	3.8
K290156		203	153.0	<0.002	1.13	42.3	7.5	<1	1.4	175.0	0.43	<0.05	9.5	0.176	1.70	5.7
K290157		2.1	1.0	<0.002	<0.01	0.16	0.1	<1	<0.2	44.0	<0.05	<0.05	<0.2	<0.005	<0.02	0.6
K290158		15.0	98.7	<0.002	0.05	2.67	10.6	1	1.4	355	0.63	<0.05	12.2	0.267	1.15	3.5
K290159		15.8	105.5	<0.002	0.10	5.03	9.5	1	1.6	259	0.60	<0.05	11.4	0.242	1.61	5.1
K290160		50.8	102.5	<0.002	0.07	6.75	10.3	1	1.5	332	0.64	<0.05	10.8	0.267	1.32	3.9
K290161		649	181.5	<0.002	1.62	21.4	10.2	1	2.7	67.0	0.61	<0.05	9.7	0.265	3.28	5.3
K290162		34.3	104.5	<0.002	0.08	6.41	10.8	1	1.6	340	0.65	<0.05	11.1	0.278	1.49	4.1
K290163		19.5	99.6	<0.002	0.07	5.79	10.7	1	1.6	339	0.67	<0.05	10.7	0.277	1.50	3.7
K290164		214	117.0	<0.002	0.36	32.9	11.3	1	1.7	195.0	0.65	<0.05	11.7	0.271	2.34	8.1
K290165		137.0	118.0	<0.002	0.25	12.00	10.4	1	1.5	298	0.70	<0.05	13.5	0.262	1.54	4.1
K290166		18.3	106.0	<0.002	0.03	2.33	10.5	1	1.5	361	0.68	<0.05	13.9	0.261	1.15	4.7
K290167		151.0	174.0	<0.002	0.06	18.40	10.9	1	1.9	60.5	0.71	<0.05	12.9	0.266	2.12	3.6
K290168		>10000	236	<0.002	0.87	88.2	8.4	1	3.6	34.0	0.50	<0.05	11.9	0.196	2.99	8.6
K290169		1380	183.5	<0.002	4.68	65.4	9.3	2	8.2	101.5	0.52	1.15	11.5	0.210	2.76	5.4
K290170		393	199.5	<0.002	0.33	14.55	9.2	<1	2.0	43.9	0.68	<0.05	10.1	0.246	3.70	3.9
K290171		867	208	<0.002	0.08	16.15	9.6	1	2.3	56.7	0.61	<0.05	13.5	0.233	3.74	5.7
K290172		208	186.5	<0.002	0.05	8.86	9.9	1	2.0	109.5	0.70	<0.05	13.1	0.253	2.73	3.7
K290173		54.1	135.0	<0.002	0.01	5.85	8.7	<1	1.8	227	0.76	<0.05	16.6	0.218	1.62	2.3
K290174		289	116.0	<0.002	0.05	8.26	10.0	1	1.9	248	0.69	<0.05	12.3	0.252	1.51	2.8
K290175		495	175.0	0.005	2.67	28.6	9.1	1	5.5	113.0	0.52	0.29	11.5	0.206	2.54	5.3
K290176		24.6	105.5	<0.002	0.01	2.49	9.8	1	1.7	344	0.76	<0.05	13.6	0.249	1.14	3.4
K290177		34.9	105.5	<0.002	<0.01	2.52	9.8	1	1.6	348	0.82	<0.05	12.5	0.254	1.14	3.8
K290178		1255	116.5	<0.002	0.40	15.90	9.1	1	2.1	86.4	0.69	<0.05	9.5	0.227	2.41	4.9
K290179		6.0	1.1	<0.002	<0.01	0.14	0.2	<1	<0.2	44.4	<0.05	<0.05	<0.2	<0.005	<0.02	0.6
K290180		43.8	108.0	<0.002	0.02	4.42	9.5	1	1.7	308	0.80	<0.05	13.0	0.243	1.25	3.4
K290181		294	116.0	<0.002	0.06	4.20	10.1	1	1.7	301	0.76	<0.05	14.6	0.247	1.31	3.5
K290182		101.5	111.5	<0.002	0.14	4.94	9.4	1	1.6	249	0.86	0.07	12.9	0.245	1.52	3.3

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Finalized Date: 29-AUG-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15123384

Sample Description	Method Analyte Units LOR	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Ag-OG62 Ag ppm 1	Pb-OG62 Pb % 0.001
K290147		71	3.8	15.1	69	27.0		
K290148		72	6.6	13.9	68	28.5		
K290149		74	2.3	14.9	52	29.6		
K290150		66	5.7	12.7	109	26.4		
K290151		77	4.5	15.2	166	28.6		
K290152		68	5.7	13.9	234	27.1		
K290153		71	3.6	14.8	56	31.4		
K290154		70	3.4	14.3	53	29.6		
K290155		76	3.6	15.7	78	30.9		
K290156		53	6.0	15.5	2410	20.2		
K290157		1	0.1	0.8	20	<0.5		
K290158		72	2.5	16.0	58	31.0		
K290159		68	9.3	14.6	65	29.2		
K290160		73	2.0	15.2	68	29.8		
K290161		73	15.9	12.2	1560	28.9		
K290162		78	3.2	16.0	59	31.3		
K290163		78	3.4	15.7	60	33.2		
K290164		72	13.1	17.1	393	30.2		
K290165		71	3.8	15.7	247	33.9		
K290166		72	1.7	16.4	50	30.4		
K290167		71	3.9	14.3	569	33.9		
K290168		59	4.2	9.7	2910	24.7	102	2.66
K290169		64	6.1	11.9	2450	28.9		
K290170		67	3.9	11.0	1690	32.9		
K290171		65	4.7	16.4	1440	30.8		
K290172		67	3.8	13.8	473	36.4		
K290173		58	3.0	14.7	166	41.2		
K290174		69	2.3	17.2	149	39.2		
K290175		66	5.6	12.0	869	30.4		
K290176		66	1.6	17.0	59	43.8		
K290177		66	1.4	17.5	142	42.3		
K290178		66	3.3	13.8	5130	37.6		
K290179		2	0.1	0.8	23	<0.5		
K290180		65	1.4	15.9	147	41.2		
K290181		67	1.4	16.5	302	37.5		
K290182		65	1.7	16.1	197	39.1		

***** See Appendix Page for comments regarding this certificate *****

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VANCOUVER BC V6B 1L8

Project: Klaza

Finalized Date: 29-AUG-2015
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH15123384

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Ag-OG62	Au-AA24	ME-MS61	ME-OG62
Pb-OG62			

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Finalized Date: 28-AUG-2015
Account: ROCKHA

CERTIFICATE WH15123386

Project: Klaza

P.O. No.: BATCH 119

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 17-AUG-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21d	Sample logging - ClientBarCode Dup
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
BAG-06	Double Bagging Coarse Rejects
SPL-21d	Split sample - duplicate
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31d	Pulverize Split - duplicate

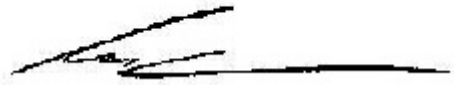
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Pb-OG62	Ore Grade Pb - Four Acid	VARIABLE
Zn-OG62	Ore Grade Zn - Four Acid	VARIABLE
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 28-AUG-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15123386

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
K289791		6.11	<0.005	0.10	7.07	3.1	2040	1.57	0.08	2.66	0.13	45.8	8.7	12	8.82	8.1
K289792		2.06	<0.005	0.79	7.58	39.9	1510	1.37	0.10	1.34	6.67	39.4	8.0	9	14.85	12.1
K289793		1.13	0.124	36.5	2.48	1950	250	0.78	0.17	3.89	263	15.60	9.0	4	4.77	66.4
K289794		5.14	<0.005	0.08	0.05	3.2	50	0.06	0.02	20.7	0.63	1.20	0.7	1	0.13	1.5
K289795		3.09	0.008	2.03	7.34	269	690	1.63	0.09	2.48	20.1	51.4	7.5	11	16.60	12.1
K289796		4.15	<0.005	0.48	6.64	31.6	950	1.25	0.08	3.79	0.78	50.3	8.5	8	20.6	9.0
K289797		0.41	0.897	11.65	6.62	1595	1250	1.44	12.45	1.86	33.4	47.2	17.2	19	12.85	298
K289798		3.48	0.026	0.53	6.74	76.8	550	1.66	0.10	2.52	1.52	41.8	8.0	10	23.2	9.9
K289799		1.16	0.030	1.05	6.15	215	420	1.31	0.12	3.19	1.52	46.0	8.6	7	13.50	22.3
K289800		3.68	<0.005	0.20	7.15	39.6	820	2.28	0.12	2.37	0.41	46.0	8.0	9	20.6	7.5
K289801		1.28	0.035	1.26	6.09	304	500	1.40	0.17	3.16	3.50	48.2	10.1	7	16.30	20.5
K289802		5.32	<0.005	0.45	6.98	36.1	520	1.53	0.10	2.32	2.51	44.0	8.0	10	21.3	8.6
K289803		<0.02	<0.005	0.43	6.99	36.2	530	1.55	0.10	2.37	2.21	43.4	8.1	9	21.2	8.0
K289804		1.35	0.233	10.40	6.62	3560	650	1.18	0.14	0.61	10.65	44.4	7.8	9	8.93	28.1
K289805		1.13	0.079	6.09	5.71	858	250	1.19	0.13	1.22	41.6	40.3	7.0	7	12.65	15.1
K289806		1.23	0.005	1.96	7.22	195.5	670	1.65	0.31	1.87	13.70	47.5	8.7	9	17.00	9.7
K289807		0.96	0.094	3.78	6.32	1400	1720	1.29	0.16	3.11	27.4	43.4	7.8	7	10.45	14.6
K289808		1.44	0.033	3.32	7.00	368	480	1.52	0.12	1.96	10.90	48.3	8.1	9	13.45	20.2
K289809		1.07	0.020	2.28	6.82	281	510	1.48	0.12	2.13	9.27	46.8	8.7	9	13.50	15.2
K289810		1.07	0.199	3.87	4.36	1760	620	1.08	0.21	5.87	17.55	30.8	7.6	5	6.71	7.2
K289811		1.41	<0.005	0.52	7.06	26.9	860	1.69	0.10	3.07	0.55	47.1	8.1	8	24.0	7.7
K289812		0.78	0.048	4.47	6.10	226	520	1.44	0.10	3.02	26.4	46.7	6.6	8	11.40	16.6
K289813		5.26	<0.005	0.02	0.06	0.6	20	0.06	0.02	20.4	0.13	1.21	0.7	1	0.19	1.3
K289814		1.66	<0.005	1.10	7.26	71.4	870	1.62	0.10	1.92	8.92	36.2	7.9	8	18.75	9.0
K289815		2.68	0.021	2.12	6.92	179.0	740	1.52	0.13	2.43	7.06	46.6	9.1	9	13.35	17.8
K289816		2.06	0.018	0.33	7.51	141.5	1010	1.64	0.11	2.21	1.22	41.7	8.2	9	15.45	11.9
K289817		0.70	0.043	2.05	6.91	511	1220	1.44	0.23	3.53	6.32	51.9	9.2	8	12.90	19.0
K289818		0.41	0.360	4.82	6.79	744	1050	1.41	3.48	2.04	11.15	52.9	12.1	24	12.85	321
K289819		5.78	<0.005	0.12	6.91	13.6	1700	1.47	0.09	2.80	0.23	42.9	8.1	10	17.65	6.9
K289820		1.51	<0.005	0.09	6.24	15.4	1500	1.43	0.11	2.44	0.12	46.3	6.7	8	14.65	4.7
K289821		4.76	<0.005	0.07	7.10	4.5	1820	1.39	0.09	2.32	0.08	45.7	7.6	10	13.65	6.4
K289822		7.10	<0.005	0.05	7.14	6.8	2930	1.41	0.10	2.69	0.11	39.0	8.5	8	11.55	5.1
K289823		4.96	0.010	0.19	7.43	38.0	1810	1.40	0.14	3.29	0.39	52.5	9.9	10	12.25	4.8
K289824		1.14	0.378	7.41	5.03	2660	820	0.94	0.45	4.18	30.8	37.5	7.8	7	6.04	30.0
K289825		4.69	0.016	0.60	7.26	141.0	1020	1.43	0.19	2.95	2.69	50.9	8.2	9	11.75	8.9
K289826		7.74	<0.005	0.08	7.18	14.1	2260	1.60	0.14	3.09	0.15	48.3	9.3	13	11.40	6.3

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 28-AUG-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15123386

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
K289791		3.11	16.25	0.12	1.5	0.040	2.65	20.6	21.7	0.92	712	1.71	2.10	8.1	2.5	640
K289792		2.95	17.95	0.13	1.5	0.060	2.86	17.7	57.4	0.61	1200	1.08	0.12	8.2	2.1	640
K289793		11.80	6.64	0.14	0.4	3.46	1.16	8.7	23.0	1.77	14800	2.42	0.02	2.2	1.5	180
K289794		0.47	0.46	<0.05	<0.1	0.012	0.02	0.6	0.9	12.80	217	0.09	0.01	0.1	0.7	200
K289795		3.15	15.55	0.13	1.2	0.182	3.12	25.9	142.5	0.90	3010	0.67	0.06	7.1	2.1	600
K289796		2.72	14.30	0.10	1.2	0.041	2.46	26.4	154.0	1.29	1460	0.73	0.06	6.7	2.2	560
K289797		6.54	15.60	0.15	1.1	0.820	3.01	23.1	19.0	0.77	1860	8.80	0.13	6.6	12.1	550
K289798		2.91	16.20	0.10	1.3	0.061	2.37	21.3	344	0.84	1840	0.83	0.05	7.5	3.3	620
K289799		3.66	13.35	0.14	1.1	0.156	2.87	24.4	48.3	1.07	3840	0.53	0.03	5.9	2.2	500
K289800		2.82	16.40	0.12	1.3	0.041	2.28	21.9	480	0.79	1440	0.60	0.06	7.7	2.1	670
K289801		3.54	13.65	0.11	1.0	0.131	2.58	25.5	92.6	1.08	3430	0.71	0.04	6.1	2.3	500
K289802		2.74	16.15	0.12	1.2	0.050	2.39	21.0	223	0.80	1610	0.62	0.05	7.4	2.2	620
K289803		2.76	16.20	0.12	1.2	0.052	2.42	20.2	217	0.81	1630	0.53	0.06	7.6	2.1	620
K289804		6.24	14.80	0.15	1.0	0.619	3.25	23.2	10.6	0.52	6230	0.40	0.02	6.4	2.0	510
K289805		4.42	13.00	0.13	0.9	0.643	2.72	20.7	25.9	0.64	5340	0.58	0.02	5.7	1.8	470
K289806		4.06	16.60	0.14	1.1	0.184	3.24	22.6	33.6	0.80	3880	0.58	0.04	7.5	2.4	630
K289807		6.04	13.95	0.15	0.9	0.638	3.06	22.3	10.6	1.23	8110	0.85	0.03	6.0	2.2	510
K289808		4.17	15.55	0.14	1.0	0.281	3.17	24.6	24.9	0.82	4520	0.81	0.04	6.8	2.2	560
K289809		3.83	15.20	0.15	1.1	0.237	3.05	23.7	29.0	0.85	3660	0.65	0.04	6.8	2.4	560
K289810		7.54	10.70	0.12	0.6	0.848	2.10	16.9	10.2	2.22	10050	1.00	0.02	4.5	1.4	350
K289811		2.75	16.55	0.12	1.3	0.041	2.67	22.5	178.5	1.01	1280	0.59	0.07	7.7	2.1	630
K289812		5.38	13.80	0.13	1.0	0.530	2.90	24.5	22.1	1.29	7000	0.51	0.03	6.0	1.6	490
K289813		0.45	0.50	<0.05	<0.1	0.006	0.02	0.6	1.4	12.70	215	<0.05	<0.01	0.2	0.7	180
K289814		2.91	17.35	0.12	1.4	0.062	2.81	16.3	86.8	0.64	2290	1.31	0.07	8.2	2.0	700
K289815		3.66	16.00	0.14	1.1	0.173	3.16	22.8	33.2	0.81	3470	1.11	0.05	7.3	2.3	600
K289816		3.39	17.45	0.14	1.4	0.111	3.46	19.0	49.8	0.80	2760	0.87	0.08	8.0	2.1	660
K289817		3.88	15.45	0.14	1.1	0.179	3.44	27.2	12.0	1.08	5200	0.91	0.04	6.9	2.3	580
K289818		5.05	15.80	0.13	1.1	0.325	3.10	27.7	26.1	0.78	1940	15.55	0.15	6.4	14.6	520
K289819		2.98	16.40	0.13	1.3	0.047	2.75	19.5	29.8	0.73	982	1.47	1.18	7.9	2.1	610
K289820		2.58	14.30	0.12	1.4	0.076	2.77	23.2	39.3	0.82	1760	1.05	0.35	7.1	1.6	440
K289821		3.00	16.20	0.13	1.4	0.057	2.90	20.8	21.0	0.74	879	0.49	1.27	7.6	1.9	620
K289822		3.13	16.10	0.12	1.1	0.048	2.33	18.0	35.9	0.93	1040	1.46	0.29	7.8	2.2	660
K289823		3.35	15.45	0.12	1.0	0.046	2.79	27.2	42.3	1.16	2100	0.50	0.06	7.0	2.1	620
K289824		4.32	12.50	0.10	0.8	0.177	2.62	19.4	17.0	1.56	3880	0.59	0.02	4.9	1.9	420
K289825		3.41	15.55	0.13	1.0	0.069	3.49	25.6	21.8	1.03	3520	0.77	0.05	7.1	2.0	610
K289826		3.32	16.15	0.14	1.3	0.051	2.91	22.9	26.4	1.10	1740	0.43	0.25	7.6	2.5	650

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Finalized Date: 28-AUG-2015
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CERTIFICATE OF ANALYSIS WH15123386

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
K289791		18.4	92.4	<0.002	0.01	1.78	12.2	<1	1.4	416	0.67	<0.05	12.4	0.275	0.96	4.9
K289792		279	107.5	<0.002	0.14	10.65	12.3	<1	2.2	185.5	0.68	<0.05	12.5	0.285	1.46	4.3
K289793		>10000	83.0	<0.002	3.87	146.5	3.9	<1	2.7	95.5	0.17	<0.05	4.5	0.079	1.18	3.7
K289794		25.7	1.2	<0.002	<0.01	0.36	0.2	<1	<0.2	46.0	<0.05	<0.05	<0.2	<0.005	<0.02	0.7
K289795		737	168.5	<0.002	0.51	19.10	11.4	<1	2.5	175.0	0.57	<0.05	13.8	0.259	2.37	5.5
K289796		24.0	115.0	<0.002	0.19	21.6	10.7	1	1.6	224	0.52	<0.05	12.5	0.242	2.03	4.7
K289797		1330	173.5	<0.002	4.67	61.0	9.5	1	8.0	98.5	0.49	0.99	11.7	0.211	2.55	5.5
K289798		61.7	97.1	<0.002	0.46	18.35	11.0	<1	1.8	213	0.69	<0.05	12.2	0.261	2.23	4.9
K289799		45.6	207	<0.002	1.28	26.4	10.1	1	1.6	134.5	0.47	<0.05	13.3	0.213	2.60	4.9
K289800		17.2	86.3	<0.002	0.10	18.05	12.0	1	1.6	221	0.61	<0.05	11.2	0.278	1.54	3.3
K289801		148.0	180.0	<0.002	1.11	30.0	10.1	1	2.2	141.0	0.47	<0.05	12.9	0.217	2.25	4.3
K289802		97.6	95.0	<0.002	0.13	18.05	11.7	<1	1.6	185.5	0.58	<0.05	12.3	0.264	1.89	3.3
K289803		82.4	90.4	<0.002	0.14	18.25	11.6	<1	1.5	189.0	0.58	<0.05	12.7	0.268	1.89	3.2
K289804		571	259	<0.002	2.38	62.7	10.9	<1	3.1	44.1	0.51	<0.05	13.1	0.233	3.27	4.9
K289805		2040	208	<0.002	1.28	33.0	9.4	<1	2.9	65.6	0.43	<0.05	10.9	0.207	2.57	3.9
K289806		649	167.5	<0.002	0.66	16.30	11.9	<1	2.0	123.0	0.58	<0.05	12.3	0.268	2.63	5.0
K289807		1075	228	<0.002	1.60	30.0	10.6	<1	2.6	106.0	0.47	<0.05	10.0	0.216	2.60	4.4
K289808		535	201	<0.002	1.08	25.1	11.3	<1	2.3	104.5	0.54	<0.05	12.1	0.251	2.81	4.6
K289809		435	196.0	<0.002	1.00	25.0	11.5	<1	2.1	113.5	0.53	<0.05	12.1	0.242	2.65	4.7
K289810		1150	142.5	<0.002	2.46	31.2	7.6	<1	2.3	142.5	0.34	0.13	9.4	0.163	1.87	4.6
K289811		41.2	91.4	<0.002	0.16	14.45	11.8	1	1.5	223	0.60	<0.05	12.4	0.269	1.82	4.0
K289812		1065	213	<0.002	0.84	19.15	9.9	<1	2.9	139.5	0.47	<0.05	12.5	0.219	2.69	5.1
K289813		4.1	1.5	<0.002	<0.01	0.14	0.2	<1	<0.2	48.8	<0.05	<0.05	<0.2	<0.005	<0.02	0.7
K289814		409	108.0	<0.002	0.17	16.60	11.7	<1	1.9	140.0	0.64	<0.05	11.0	0.293	1.84	3.3
K289815		475	187.0	<0.002	0.86	58.8	11.6	1	2.0	109.5	0.57	<0.05	12.6	0.256	2.42	3.5
K289816		54.4	139.5	<0.002	0.26	13.60	12.3	1	1.7	147.0	0.62	<0.05	12.1	0.290	2.37	3.5
K289817		251	258	<0.002	1.43	21.4	11.5	1	1.7	118.5	0.52	<0.05	13.2	0.247	3.24	4.1
K289818		497	172.0	0.004	2.70	27.8	9.7	1	5.8	112.5	0.48	0.30	12.3	0.208	2.56	5.4
K289819		24.4	106.0	<0.002	0.04	7.08	11.4	<1	1.4	310	0.62	<0.05	11.9	0.271	1.33	3.7
K289820		19.1	136.0	<0.002	0.14	21.1	8.5	1	1.1	149.0	0.64	<0.05	14.4	0.196	1.99	4.7
K289821		15.9	110.0	<0.002	0.03	4.64	11.7	1	1.4	280	0.63	<0.05	12.8	0.264	1.34	4.0
K289822		14.5	74.4	<0.002	0.11	10.15	12.0	<1	1.3	187.0	0.57	<0.05	10.8	0.284	1.17	2.1
K289823		26.9	146.5	<0.002	0.45	11.70	12.1	1	1.4	163.0	0.52	<0.05	12.7	0.269	1.67	3.1
K289824		579	198.0	<0.002	2.66	55.4	8.7	<1	2.6	85.0	0.36	<0.05	8.6	0.186	2.26	4.3
K289825		113.0	213	<0.002	0.81	12.70	11.9	1	1.4	102.5	0.52	<0.05	12.1	0.268	2.46	3.7
K289826		11.9	134.0	<0.002	0.23	8.23	12.3	1	1.3	154.0	0.56	<0.05	11.4	0.283	1.84	3.0

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
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www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 28-AUG-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15123386

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Pb-OG62	Zn-OG62
	Analyte	V	W	Y	Zn	Zr	Pb	Zn
	Units	ppm	ppm	ppm	ppm	ppm	%	%
	LOR	1	0.1	0.1	2	0.5	0.001	0.001
K289791		84	1.9	16.2	62	34.8		
K289792		87	4.9	13.2	509	33.9		
K289793		29	2.8	7.4	>10000	9.6	1.335	1.740
K289794		3	0.1	0.8	42	<0.5		
K289795		76	4.6	14.5	1490	28.0		
K289796		73	3.7	15.7	98	28.8		
K289797		64	6.3	11.7	2460	27.5		
K289798		79	5.9	13.9	167	32.2		
K289799		71	6.8	14.6	179	25.7		
K289800		84	7.0	13.6	88	31.3		
K289801		71	4.0	13.9	273	24.8		
K289802		82	4.6	14.0	225	29.0		
K289803		83	4.7	13.7	214	28.6		
K289804		73	8.0	9.0	817	23.5		
K289805		68	5.3	9.2	2710	22.0		
K289806		85	2.8	13.2	945	26.8		
K289807		72	5.0	12.9	2040	21.6		
K289808		80	4.6	12.7	816	23.9		
K289809		77	3.9	13.2	700	25.3		
K289810		50	5.3	10.3	1280	14.9		
K289811		81	3.9	15.8	86	30.0		
K289812		66	6.6	11.8	1860	23.3		
K289813		3	0.1	0.8	20	<0.5		
K289814		84	7.6	12.9	643	33.6		
K289815		80	6.3	14.8	651	25.6		
K289816		90	6.8	15.4	167	30.7		
K289817		75	6.1	15.8	682	27.8		
K289818		68	5.9	12.3	891	28.9		
K289819		82	2.4	14.4	68	31.6		
K289820		57	8.2	12.9	57	33.1		
K289821		79	2.6	14.3	57	31.0		
K289822		85	2.9	12.8	59	24.7		
K289823		81	2.1	14.3	79	22.8		
K289824		59	2.7	9.5	1950	17.8		
K289825		78	1.9	13.7	250	24.8		
K289826		84	2.2	14.0	63	30.2		

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: Klaza

Finalized Date: 28-AUG-2015
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH15123386

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	ME-MS61	ME-OG62	Pb-OG62
Zn-OG62			

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 31-AUG-2015
Account: ROCKHA

CERTIFICATE WH15123401

Project: Klaza

P.O. No.: BATCH 120

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 17-AUG-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21d	Sample logging - ClientBarCode Dup
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
BAG-06	Double Bagging Coarse Rejects
SPL-21d	Split sample - duplicate
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31d	Pulverize Split - duplicate

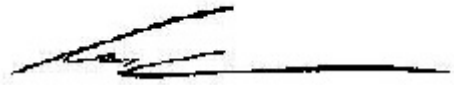
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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VANCOUVER BC V6B 1L8

Finalized Date: 31-AUG-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15123401

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
K290183		4.37	<0.005	0.25	7.30	11.5	2090	1.65	0.27	1.65	8.35	45.9	6.6	8	13.90	7.3
K290184		1.64	0.080	1.35	7.28	295	1000	1.68	0.46	0.76	39.3	47.5	5.8	10	15.35	14.6
K290185		6.02	0.005	0.48	7.32	28.6	2130	1.64	0.20	2.16	2.99	47.5	5.9	10	12.40	11.7
K290186		11.92	0.134	4.09	7.10	65.1	1970	1.56	0.43	2.12	12.05	46.3	6.3	9	16.55	24.2
K290187		<0.02	0.043	3.91	7.09	64.5	1960	1.48	0.44	2.09	11.55	47.9	6.5	9	16.85	23.8
K290188		8.66	0.007	1.16	7.23	15.9	2210	1.55	0.21	1.72	6.72	48.4	6.8	9	18.25	11.2
K290189		3.67	0.056	4.87	7.24	120.0	1800	2.27	0.48	1.05	31.2	51.8	6.9	9	22.8	24.5
K290190		2.11	0.076	3.35	6.36	182.5	1350	3.33	1.07	0.44	77.4	23.3	3.2	2	27.9	26.6
K290191		10.58	0.016	0.22	6.61	17.9	360	3.68	0.21	0.62	6.62	18.05	0.4	1	27.7	1.9
K290192		11.39	0.100	1.21	6.43	11.2	300	3.26	2.20	0.34	26.5	17.80	0.5	1	26.2	4.6
K290193		2.91	0.041	0.47	6.38	18.1	1250	3.59	0.44	0.23	26.4	19.00	5.2	<1	30.3	21.2
K290194		1.49	0.319	16.00	6.19	57.4	1310	3.40	9.88	0.39	176.0	26.7	2.9	2	27.0	91.3
K290195		5.09	<0.005	0.04	0.08	<0.2	30	0.07	0.04	21.0	0.39	1.24	0.8	1	0.28	2.2
K290196		2.60	0.076	1.95	4.89	34.1	940	2.31	0.81	0.11	2.36	15.30	0.2	2	18.60	16.5
K290197		5.02	0.155	3.67	6.27	150.5	990	2.51	1.32	0.16	19.90	27.5	1.0	3	30.6	19.8
K290198		0.30	0.354	4.47	6.71	714	740	1.54	3.80	2.04	11.20	49.3	12.6	24	14.15	318
K290199		2.33	0.285	4.01	5.77	668	700	1.84	0.47	1.47	44.7	35.8	6.4	6	10.75	7.2
K290200		2.40	0.252	2.79	5.01	1205	500	1.20	0.24	2.76	13.85	35.3	3.6	7	9.06	5.2
K290201		7.84	0.076	2.69	7.22	250	1780	1.61	0.68	1.32	13.10	49.4	7.4	9	12.45	13.2
K290202		5.91	<0.005	0.14	7.36	16.3	2290	1.56	0.16	2.31	1.89	43.0	5.6	10	11.75	7.6
K290203		2.12	0.005	0.27	6.84	20.3	1850	1.39	0.17	3.04	2.57	40.2	7.7	9	21.3	3.7
K290204		1.01	<0.005	0.24	6.53	18.2	1770	1.42	0.15	2.90	2.37	36.6	6.4	9	20.1	3.8
K290205		1.95	<0.005	0.38	6.27	16.8	4200	1.45	0.20	3.07	1.70	46.2	11.3	8	10.90	2.1
K290206		4.63	<0.005	1.29	7.07	38.4	3610	1.65	0.34	2.10	11.55	42.5	13.8	11	10.45	3.3
K290207		11.08	<0.005	0.37	7.53	14.9	2310	1.58	0.14	2.06	1.20	47.1	5.7	10	15.55	5.5
K290208		8.37	0.023	1.58	7.40	23.2	2410	1.82	0.16	1.71	10.30	42.3	7.8	11	12.05	8.3
K290209		2.55	0.100	9.04	3.81	24.2	1310	0.74	0.17	0.92	115.5	15.95	3.4	13	5.26	42.5
K290210		5.21	<0.005	0.04	0.09	<0.2	40	0.08	0.01	21.1	0.29	1.34	0.6	1	0.17	1.7
K290211		5.42	<0.005	0.86	7.99	12.6	2160	1.72	0.15	1.19	4.33	55.6	4.7	9	11.35	3.8
K290212		0.35	0.869	12.25	6.30	1545	450	1.46	12.10	1.83	33.1	43.3	17.9	18	13.85	284
K290213		4.82	<0.005	0.38	6.85	8.2	1710	1.43	0.32	2.04	0.88	31.6	8.6	11	8.60	2.8
K290214		4.77	0.006	1.48	5.73	10.2	1500	1.33	0.30	2.25	7.70	27.3	14.0	11	7.46	5.7
K290215		4.86	<0.005	0.14	6.57	8.3	2240	1.57	0.18	2.35	0.33	42.1	5.4	13	10.30	3.4
K290216		1.65	0.005	0.41	6.30	40.5	1480	1.55	0.31	2.28	4.23	49.1	7.4	9	15.70	3.2
K290217		3.59	0.037	4.66	6.83	63.8	1600	1.70	0.47	1.45	35.7	48.5	8.9	8	12.00	22.7
K290218		4.80	0.007	1.23	6.91	17.3	1550	1.77	0.38	1.97	14.20	48.2	5.8	9	12.00	14.4

***** See Appendix Page for comments regarding this certificate *****

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VANCOUVER BC V6B 1L8

Finalized Date: 31-AUG-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15123401

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
K290183		3.04	16.40	0.13	1.2	0.070	3.04	24.8	16.3	0.31	902	1.39	1.25	8.1	1.9	570
K290184		5.18	16.40	0.16	1.2	0.125	3.18	27.4	41.4	0.42	2200	1.72	0.14	7.6	2.0	570
K290185		3.18	16.70	0.14	1.3	0.067	3.05	25.1	10.9	0.72	1120	1.02	2.02	8.5	2.1	630
K290186		3.62	16.15	0.12	1.2	0.103	3.09	24.8	21.3	0.58	1440	0.89	1.29	8.0	1.9	570
K290187		3.63	16.15	0.14	1.3	0.100	3.10	25.6	21.9	0.58	1420	0.93	1.30	8.1	2.0	590
K290188		3.48	16.40	0.14	1.2	0.085	3.54	26.5	20.0	0.56	1400	1.04	1.11	8.0	1.9	580
K290189		3.97	15.85	0.15	1.1	0.101	3.72	30.5	13.0	0.57	2910	2.98	0.06	8.7	2.1	560
K290190		1.35	18.80	0.07	2.9	0.073	1.77	12.1	127.0	0.29	911	11.10	0.04	20.5	0.2	120
K290191		0.58	20.2	0.06	3.4	0.015	2.09	8.8	89.4	0.23	564	2.99	0.03	27.4	<0.2	40
K290192		0.55	19.55	0.08	3.4	0.028	1.88	8.7	95.2	0.18	702	1.45	0.03	27.2	<0.2	30
K290193		0.58	19.00	0.09	3.3	0.010	2.37	8.9	91.3	0.19	872	2.66	0.03	24.3	<0.2	50
K290194		1.12	17.95	0.09	2.8	0.535	2.38	14.0	67.0	0.34	1280	4.47	0.03	22.3	0.7	120
K290195		0.47	0.24	0.05	<0.1	0.005	0.03	0.6	1.6	12.95	207	0.08	0.01	0.2	1.1	190
K290196		0.51	14.05	0.10	2.4	0.065	1.47	8.0	120.5	0.14	88	6.66	0.03	16.1	<0.2	60
K290197		1.81	16.65	0.11	2.2	0.144	2.21	15.7	85.1	0.19	121	12.50	0.03	16.5	<0.2	180
K290198		5.04	16.05	0.14	1.1	0.311	3.02	29.6	27.5	0.78	1900	13.80	0.15	6.5	13.8	520
K290199		4.90	13.95	0.12	1.1	0.257	2.75	20.2	15.4	0.66	7220	14.70	0.03	7.0	2.3	380
K290200		5.66	12.05	0.12	0.9	0.425	2.42	20.5	16.1	1.09	9000	6.89	0.02	5.5	1.4	380
K290201		4.15	15.95	0.16	1.3	0.116	3.33	28.8	29.3	0.64	1780	1.65	0.07	7.7	2.0	540
K290202		2.97	16.25	0.08	1.2	0.046	3.02	22.3	12.2	0.71	663	1.16	2.16	8.3	2.6	610
K290203		2.70	15.90	0.08	1.2	0.041	3.18	20.3	79.1	0.71	1200	0.95	0.37	8.3	2.1	600
K290204		2.54	15.25	0.07	1.1	0.038	3.13	18.1	67.2	0.67	1150	0.89	0.30	7.9	1.8	550
K290205		2.23	15.10	0.08	1.1	0.037	3.18	24.8	13.7	0.98	1410	0.64	0.05	6.5	2.7	490
K290206		2.26	14.80	0.09	1.2	0.032	3.41	22.7	23.3	0.75	1200	1.98	0.09	6.4	2.6	550
K290207		2.88	16.05	0.10	1.3	0.037	3.03	24.5	16.5	0.65	737	1.62	1.35	8.5	2.2	610
K290208		3.19	16.50	0.09	1.2	0.045	3.21	22.4	27.1	0.64	1700	1.54	0.35	8.3	2.3	600
K290209		1.31	9.34	0.06	0.6	0.076	1.77	8.6	8.5	0.44	801	1.59	0.06	2.2	1.5	240
K290210		0.47	0.23	<0.05	<0.1	<0.005	0.04	0.7	1.0	13.10	199	0.16	0.01	0.2	1.4	190
K290211		2.91	17.30	0.11	1.3	0.027	3.44	31.0	25.3	0.60	913	1.46	0.20	7.2	2.2	610
K290212		6.40	15.25	0.13	1.1	0.765	2.85	23.7	19.8	0.74	1800	8.28	0.12	6.5	11.4	520
K290213		1.82	16.40	0.12	1.3	0.022	3.00	16.4	27.0	0.81	1130	6.66	0.04	5.1	1.5	560
K290214		1.80	12.95	0.09	1.0	0.024	2.47	14.5	21.3	0.83	1260	3.97	0.36	4.8	1.5	460
K290215		2.44	15.80	0.13	1.4	0.032	3.25	22.3	12.2	0.55	676	1.30	1.39	7.6	1.7	550
K290216		2.30	15.00	0.13	1.2	0.032	3.38	27.2	12.7	0.66	1420	3.02	0.06	6.8	1.8	550
K290217		3.26	15.65	0.14	1.2	0.152	3.29	27.8	12.4	0.68	2080	1.25	0.04	6.8	1.8	580
K290218		3.24	16.50	0.14	1.3	0.151	3.60	26.0	25.0	0.73	2070	1.68	0.21	7.6	1.9	630

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 31-AUG-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15123401

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
K290183		50.1	133.0	<0.002	0.07	5.46	10.1	<1	1.7	184.5	0.67	<0.05	13.6	0.254	1.68	2.7
K290184		234	186.0	<0.002	1.83	11.05	10.1	1	2.4	60.3	0.62	<0.05	14.6	0.237	2.89	5.0
K290185		99.6	113.0	<0.002	0.05	4.13	10.5	<1	1.7	303	0.69	<0.05	13.3	0.267	1.63	3.0
K290186		688	138.5	<0.002	0.44	6.12	9.8	1	1.9	230	0.64	0.05	13.6	0.246	2.02	3.7
K290187		642	140.5	<0.002	0.46	6.22	10.1	<1	1.9	228	0.68	<0.05	14.2	0.249	1.96	3.8
K290188		360	170.5	<0.002	0.18	7.00	10.1	1	2.0	205	0.65	<0.05	14.4	0.247	2.47	4.0
K290189		2180	229	<0.002	0.68	19.60	10.0	1	2.1	60.9	0.62	<0.05	15.8	0.233	3.50	7.0
K290190		938	135.5	<0.002	0.28	30.3	4.0	<1	3.7	106.0	2.26	<0.05	22.5	0.060	1.43	14.2
K290191		69.6	165.0	<0.002	0.01	8.28	3.1	<1	2.6	53.3	2.70	<0.05	24.0	0.035	1.55	6.3
K290192		59.9	147.5	<0.002	0.01	9.39	3.1	<1	2.7	35.2	2.67	<0.05	23.4	0.033	1.40	4.8
K290193		175.5	180.0	<0.002	0.03	9.53	3.2	1	2.5	66.7	2.58	<0.05	23.2	0.032	1.90	12.6
K290194		2550	197.5	<0.002	0.41	33.4	4.4	1	10.3	156.0	2.02	0.06	20.0	0.080	2.06	16.9
K290195		5.6	1.7	<0.002	0.01	0.18	0.2	<1	<0.2	44.5	<0.05	<0.05	0.2	<0.005	0.02	0.8
K290196		241	113.0	<0.002	0.04	46.7	2.9	<1	2.6	64.0	1.82	<0.05	17.8	0.035	1.27	11.3
K290197		810	148.5	<0.002	0.12	36.9	5.0	<1	3.3	75.8	1.72	<0.05	18.0	0.104	2.15	11.4
K290198		499	169.5	0.003	2.70	29.0	9.5	1	5.7	112.5	0.51	0.33	12.2	0.206	2.63	5.7
K290199		913	174.5	0.002	1.86	36.3	8.1	<1	3.2	38.5	0.54	<0.05	11.2	0.186	2.81	6.3
K290200		608	159.0	<0.002	2.72	34.1	7.0	<1	3.3	36.4	0.45	<0.05	10.4	0.160	2.55	3.8
K290201		831	189.0	<0.002	1.49	13.45	9.9	1	2.4	57.4	0.63	0.06	14.5	0.234	2.66	4.4
K290202		27.7	109.0	<0.002	0.03	3.45	9.7	1	1.8	354	0.61	<0.05	10.7	0.252	1.34	2.9
K290203		30.9	115.5	0.002	0.15	7.44	9.5	1	1.8	151.5	0.64	<0.05	9.8	0.252	2.17	2.9
K290204		20.0	104.5	0.002	0.14	7.58	8.0	1	1.8	130.5	0.62	<0.05	8.7	0.240	2.23	3.1
K290205		12.9	118.0	<0.002	0.25	9.34	8.8	1	1.4	101.0	0.57	0.05	10.2	0.192	2.29	4.0
K290206		422	148.5	0.002	0.21	28.4	9.1	1	1.5	76.3	0.54	0.05	12.3	0.202	2.47	4.4
K290207		120.0	119.5	0.002	0.06	8.24	9.9	1	1.6	235	0.70	<0.05	12.2	0.256	1.46	3.4
K290208		433	140.5	<0.002	0.20	16.95	10.1	1	1.8	113.0	0.66	<0.05	13.3	0.236	2.21	4.0
K290209		1510	90.4	0.003	0.75	32.7	5.0	1	0.9	31.3	0.19	0.05	6.4	0.076	1.04	2.9
K290210		5.2	1.7	<0.002	<0.01	0.12	0.2	<1	<0.2	49.1	<0.05	<0.05	<0.2	<0.005	0.02	0.5
K290211		324	161.5	0.002	0.10	17.90	10.8	1	1.3	78.0	0.61	<0.05	15.4	0.229	1.98	3.2
K290212		1315	164.5	<0.002	4.54	63.6	9.3	2	7.8	96.5	0.51	1.64	11.5	0.205	2.68	5.3
K290213		18.7	140.5	0.003	0.50	11.65	9.2	1	1.1	54.2	0.44	0.08	13.2	0.166	2.02	5.4
K290214		394	121.5	0.003	0.33	9.43	7.6	1	1.0	103.0	0.41	0.08	11.9	0.153	1.75	6.0
K290215		15.1	137.5	<0.002	0.12	3.38	9.1	<1	1.3	258	0.67	<0.05	12.8	0.228	1.87	4.6
K290216		31.7	160.5	0.003	0.48	6.09	8.8	<1	1.1	98.1	0.57	0.08	13.3	0.210	2.79	5.4
K290217		1655	205	<0.002	0.65	8.67	9.3	1	2.2	45.5	0.56	0.06	13.6	0.208	2.85	4.4
K290218		429	176.5	<0.002	0.34	6.04	9.7	<1	2.0	96.6	0.64	0.06	12.6	0.240	2.89	4.9

***** See Appendix Page for comments regarding this certificate *****

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 31-AUG-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15123401

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	V	W	Y	Zn	Zr
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	1	0.1	0.1	2	0.5
K290183		68	2.2	14.4	638	34.3
K290184		66	9.4	13.4	2590	33.5
K290185		73	2.2	16.3	301	37.1
K290186		67	2.9	14.8	930	34.4
K290187		67	2.9	15.0	891	35.9
K290188		67	2.9	15.2	769	34.0
K290189		64	5.8	15.4	2430	33.3
K290190		12	2.1	16.1	1860	52.0
K290191		1	2.4	14.5	543	58.3
K290192		1	2.1	17.1	843	62.1
K290193		1	1.7	21.0	1100	59.6
K290194		16	3.6	21.9	8140	54.9
K290195		2	0.1	0.9	34	0.5
K290196		6	1.6	11.2	313	45.4
K290197		24	2.4	7.0	760	44.8
K290198		66	5.8	12.3	892	31.1
K290199		54	5.8	11.4	3660	28.8
K290200		46	4.1	8.8	1550	23.8
K290201		66	3.7	13.1	1410	31.6
K290202		69	0.9	15.2	302	33.3
K290203		70	2.3	13.6	303	32.3
K290204		64	2.1	11.7	262	30.4
K290205		65	1.4	12.9	141	30.1
K290206		63	1.8	12.9	709	32.4
K290207		69	2.4	15.6	189	35.7
K290208		66	2.3	12.9	846	34.0
K290209		51	1.9	5.0	8110	15.2
K290210		3	0.1	0.9	35	<0.5
K290211		77	2.3	14.1	459	35.9
K290212		62	6.1	11.4	2420	28.8
K290213		80	2.5	11.3	118	32.7
K290214		60	1.5	9.7	546	25.2
K290215		66	1.1	12.8	97	33.5
K290216		67	2.3	13.3	330	30.6
K290217		66	3.7	11.6	2440	30.2
K290218		74	3.1	14.0	1090	32.4

***** See Appendix Page for comments regarding this certificate *****

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VANCOUVER BC V6B 1L8

Finalized Date: 31-AUG-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15123401

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	ME-MS61

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1016 - 510 W HASTINGS STREET
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Finalized Date: 28-AUG-2015
Account: ROCKHA

CERTIFICATE WH15123404

Project: Klaza

P.O. No.: BATCH 121

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 17-AUG-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21d	Sample logging - ClientBarCode Dup
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
BAG-06	Double Bagging Coarse Rejects
SPL-21d	Split sample - duplicate
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31d	Pulverize Split - duplicate

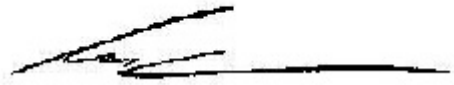
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Pb-OG62	Ore Grade Pb - Four Acid	VARIABLE
Zn-OG62	Ore Grade Zn - Four Acid	VARIABLE
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.

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Finalized Date: 28-AUG-2015
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Project: Klaza

CERTIFICATE OF ANALYSIS WH15123404

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
K290219		4.62	<0.005	0.12	7.21	6.9	2240	1.67	0.14	2.29	2.09	47.1	4.2	9	10.45	3.1
K290220		5.93	0.008	0.76	7.05	15.7	1870	1.85	0.44	2.07	9.89	43.5	5.9	10	18.30	5.6
K290221		3.05	0.494	69.6	6.06	71.7	1300	1.72	0.50	2.56	128.5	39.3	4.2	8	13.90	139.0
K290222		5.39	<0.005	0.04	0.06	<0.2	20	0.06	0.02	20.5	0.22	1.23	0.7	1	0.14	1.9
K290223		5.13	0.037	2.07	6.63	249	1690	1.38	0.23	1.96	43.9	44.6	8.0	8	11.25	23.4
K290224		10.46	0.020	8.47	7.37	88.6	1900	1.62	0.26	2.29	12.55	50.6	6.3	9	19.15	12.8
K290225		2.26	0.198	5.59	6.03	907	540	1.28	0.36	2.99	180.0	40.1	6.0	8	13.50	25.1
K290226		1.50	0.010	0.47	6.64	29.9	3010	1.35	0.32	2.80	1.32	58.7	11.8	8	13.10	1.9
K290227		3.62	<0.005	0.31	7.37	10.2	2310	1.42	0.19	1.70	2.58	42.2	4.9	8	12.60	3.6
K290228		2.03	<0.005	0.56	6.94	15.4	2430	1.48	0.18	3.01	5.62	54.7	6.1	7	10.60	3.7
K290229		3.83	<0.005	0.18	7.77	9.0	2240	1.51	0.14	2.05	0.80	53.8	6.7	8	12.15	9.7
K290230		<0.02	<0.005	0.19	7.71	9.9	2270	1.46	0.14	2.02	0.80	46.8	7.1	7	13.00	11.4
K290231		12.36	0.005	0.21	7.48	13.5	2380	1.62	0.19	2.90	1.34	47.0	9.0	10	8.77	3.8
K290232		9.85	<0.005	0.07	7.49	7.6	2450	1.66	0.15	2.58	0.27	50.8	6.0	8	9.76	3.6
K290233		7.80	<0.005	0.42	7.69	14.0	2280	1.54	0.24	2.01	2.70	53.4	7.5	9	10.50	4.6
K290234		4.72	0.014	4.65	7.80	11.6	2760	1.57	0.22	1.96	8.95	48.9	4.8	9	12.10	10.6
K290235		2.55	0.013	3.48	7.68	9.8	2260	1.54	0.20	1.83	5.18	49.8	4.4	8	12.65	12.6
K290236		5.53	0.016	2.35	7.18	27.5	2660	1.53	0.25	2.05	18.35	43.5	10.8	7	13.40	11.4
K290237		2.07	0.019	3.89	6.95	29.1	2570	1.52	0.36	2.45	32.1	51.4	5.5	8	14.20	13.7
K290238		0.40	0.341	4.35	6.92	708	440	1.50	3.10	2.12	10.40	50.1	11.9	26	14.00	326
K290239		8.71	<0.005	0.15	7.91	8.6	2480	1.62	0.22	1.87	0.32	51.0	6.7	11	12.00	6.5
K290240		1.85	0.049	12.50	7.25	28.8	1540	1.61	0.33	2.22	81.9	52.7	5.2	8	15.50	57.0
K290241		7.95	<0.005	0.10	7.81	7.2	2530	1.68	0.19	2.23	0.21	56.6	6.2	12	9.72	5.5
K290242		11.78	<0.005	0.74	7.61	7.7	2240	1.77	0.17	2.47	3.84	51.1	5.5	13	12.65	6.0
K290243		7.48	<0.005	0.28	8.01	8.4	2180	1.72	0.18	2.42	0.63	54.9	5.3	11	19.95	3.0
K290244		3.50	0.012	3.85	7.21	23.5	1370	1.61	0.29	4.60	15.40	56.7	7.3	6	21.8	17.1
K290245		5.11	<0.005	0.05	0.05	<0.2	20	0.07	0.02	20.7	0.09	1.08	0.6	<1	0.14	1.7
K290246		4.83	0.013	1.10	7.38	23.5	1240	1.50	0.18	1.72	8.00	55.4	6.1	7	28.0	11.9
K290247		6.27	<0.005	0.14	7.28	10.5	2020	1.21	0.17	1.75	0.33	47.9	6.4	7	25.4	4.5
K290248		6.15	<0.005	0.11	7.78	12.1	1860	1.51	0.20	1.17	0.33	41.3	7.2	9	22.0	11.1
K290249		2.48	0.101	15.35	6.31	56.2	2270	1.64	1.04	1.71	55.8	43.5	6.4	7	13.45	53.4
K290250		0.42	0.944	11.50	6.35	1530	250	1.53	11.85	1.81	32.3	42.3	18.1	18	13.25	285
K290251		6.89	<0.005	0.11	7.51	15.6	1440	1.44	0.18	1.22	0.32	44.6	6.2	7	32.9	4.3
K290252		3.66	<0.005	0.24	7.39	16.4	1100	1.60	0.20	1.12	0.85	51.1	6.1	8	25.3	4.7
K290253		2.98	0.006	0.96	7.09	14.5	2010	1.79	0.16	2.37	21.9	43.1	5.5	8	24.6	6.2
K290254		5.65	0.007	1.62	7.59	24.3	1730	1.71	1.62	0.61	1.95	53.2	5.9	7	17.30	47.1

***** See Appendix Page for comments regarding this certificate *****

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VANCOUVER BC V6B 1L8

Finalized Date: 28-AUG-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15123404

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
K290219		2.85	15.25	0.11	1.4	0.052	3.16	23.8	8.4	0.63	880	1.14	1.77	7.8	2.1	540
K290220		3.22	15.65	0.10	1.3	0.068	3.21	21.8	36.3	0.56	1300	1.49	0.70	7.9	2.4	560
K290221		5.54	13.15	0.10	1.1	0.179	2.80	21.4	18.6	0.74	3000	1.28	0.04	6.9	2.1	520
K290222		0.48	0.23	0.11	<0.1	<0.005	0.03	0.6	0.8	12.85	209	0.12	0.01	0.3	2.1	180
K290223		3.41	14.10	0.12	1.1	0.086	2.97	25.0	16.2	0.69	2040	1.00	0.04	6.5	2.3	520
K290224		3.27	16.60	0.13	1.3	0.082	3.10	25.0	19.8	0.72	1320	1.15	1.12	8.3	2.4	570
K290225		3.75	12.80	0.08	0.9	0.417	2.87	22.0	12.5	0.98	3090	1.94	0.03	5.6	2.2	420
K290226		3.37	13.75	0.11	1.0	0.134	3.14	33.5	14.8	0.96	2170	2.28	0.17	6.1	2.6	500
K290227		3.06	15.25	0.11	1.2	0.043	3.05	21.6	19.5	0.49	763	1.12	0.81	7.8	2.1	550
K290228		2.86	14.90	0.13	1.2	0.043	3.04	28.7	17.0	0.36	969	1.37	0.58	7.4	1.8	540
K290229		3.18	15.80	0.11	1.3	0.040	3.11	28.4	18.8	0.65	688	1.39	0.74	8.2	2.4	580
K290230		3.15	16.00	0.13	1.4	0.037	3.11	23.9	19.8	0.65	673	1.07	0.72	8.5	2.5	580
K290231		3.14	15.10	0.11	1.2	0.062	3.05	25.0	11.2	0.74	967	1.50	1.61	7.7	2.3	560
K290232		2.90	15.65	0.12	1.4	0.051	3.02	26.1	15.0	0.74	591	1.11	1.77	8.7	2.3	580
K290233		3.75	16.45	0.12	1.2	0.131	3.21	28.1	20.3	0.52	1020	1.97	0.60	8.4	2.4	620
K290234		3.29	16.10	0.11	1.1	0.086	3.33	25.3	15.6	0.65	1020	0.76	1.29	8.1	2.3	630
K290235		3.14	15.65	0.12	1.0	0.084	3.29	26.1	16.1	0.58	951	0.64	1.13	7.8	2.2	600
K290236		4.09	15.45	0.12	1.0	0.183	3.38	22.8	19.3	0.63	2280	1.18	0.63	7.4	1.7	570
K290237		4.48	14.70	0.11	1.0	0.240	3.16	29.1	27.5	1.00	2730	1.60	0.04	7.1	2.0	550
K290238		5.24	14.55	0.11	1.0	0.306	3.06	28.3	26.5	0.82	2020	13.75	0.16	6.1	14.5	550
K290239		3.17	16.00	0.12	1.1	0.084	3.13	26.0	18.0	0.69	831	0.91	1.40	8.3	2.5	650
K290240		4.81	14.80	0.12	1.0	0.121	3.32	28.7	24.5	0.73	2460	0.85	0.58	6.9	2.2	550
K290241		3.07	15.30	0.12	1.1	0.058	3.05	30.5	15.3	0.91	644	0.91	2.56	7.8	2.5	610
K290242		3.26	15.65	0.13	1.1	0.073	3.03	26.3	15.5	0.86	927	0.82	2.30	8.0	2.5	640
K290243		3.21	16.20	0.12	1.1	0.065	2.98	29.4	30.8	0.82	793	0.93	2.02	8.3	2.3	640
K290244		3.66	14.50	0.12	1.0	0.113	2.77	32.4	20.8	1.65	1700	0.86	0.04	7.4	2.6	550
K290245		0.46	0.20	0.13	<0.1	<0.005	0.02	0.5	0.9	13.05	203	0.07	0.01	0.1	1.4	170
K290246		2.74	15.10	0.15	1.0	0.051	2.72	31.1	21.1	0.69	1120	0.93	0.04	7.3	2.4	550
K290247		2.92	15.75	0.11	1.1	0.055	2.63	24.4	87.6	0.58	728	0.73	0.10	7.8	2.2	580
K290248		2.84	18.60	0.34	1.4	0.053	2.78	19.3	100.0	0.48	785	1.13	0.08	10.9	3.1	620
K290249		4.54	14.15	0.13	1.2	0.216	2.59	23.7	43.3	0.83	2310	0.81	0.01	7.4	2.6	440
K290250		6.46	15.00	0.12	1.0	0.756	2.83	20.9	20.0	0.74	1760	8.42	0.12	6.6	12.4	520
K290251		2.81	16.55	0.14	1.1	0.055	2.35	22.0	206	0.47	929	0.40	0.05	8.9	2.3	610
K290252		2.67	16.45	0.16	1.1	0.040	2.32	25.7	290	0.43	925	0.54	0.06	8.3	2.1	580
K290253		3.28	16.50	0.14	1.0	0.056	2.74	20.1	40.0	0.73	835	0.74	1.37	8.1	2.3	590
K290254		3.30	16.15	0.13	1.3	0.090	3.06	27.3	43.6	0.25	1220	0.68	0.05	8.5	2.6	560

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 28-AUG-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15123404

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
K290219		45.5	136.0	<0.002	0.04	3.46	9.6	1	1.6	283	0.67	<0.05	12.5	0.234	1.65	3.5
K290220		192.0	145.5	<0.002	0.29	6.94	9.9	1	1.9	140.5	0.68	0.06	11.6	0.231	2.29	3.4
K290221		>10000	169.0	<0.002	1.19	68.6	9.3	1	3.2	77.4	0.62	<0.05	11.2	0.204	2.71	5.9
K290222		8.6	1.2	<0.002	0.01	0.12	0.2	<1	<0.2	49.1	<0.05	<0.05	<0.2	<0.005	<0.02	0.5
K290223		447	169.0	<0.002	0.61	13.45	9.3	1	1.6	63.3	0.55	0.05	10.9	0.204	2.42	3.5
K290224		2380	144.5	<0.002	0.34	13.35	10.8	1	1.8	237	0.71	<0.05	13.9	0.246	2.10	4.0
K290225		633	173.0	<0.002	1.60	20.3	8.2	1	2.3	65.4	0.48	<0.05	9.3	0.180	2.57	4.3
K290226		34.6	177.5	<0.002	0.42	9.34	8.7	1	1.5	80.7	0.53	<0.05	11.5	0.192	2.38	4.9
K290227		109.5	127.5	<0.002	0.05	12.55	9.5	<1	1.5	149.5	0.67	<0.05	12.1	0.239	1.51	3.7
K290228		154.0	134.5	<0.002	0.10	9.19	9.6	1	1.6	124.0	0.63	<0.05	11.8	0.217	1.89	3.4
K290229		45.4	130.0	<0.002	0.02	8.45	10.6	1	2.1	154.5	0.72	<0.05	14.5	0.247	1.54	3.1
K290230		45.1	119.5	<0.002	0.02	8.71	10.5	1	2.2	152.0	0.73	<0.05	13.3	0.251	1.50	2.8
K290231		97.7	129.5	<0.002	0.18	3.97	10.1	1	1.6	242	0.65	<0.05	13.4	0.231	1.43	3.5
K290232		18.1	126.5	<0.002	0.02	3.59	10.5	1	1.6	298	0.82	<0.05	13.6	0.244	1.25	3.0
K290233		114.0	140.0	<0.002	0.14	10.65	11.0	1	2.2	123.0	0.73	<0.05	13.0	0.265	1.68	3.1
K290234		2200	150.0	<0.002	0.20	10.20	11.0	1	1.8	230	0.63	<0.05	13.0	0.260	1.71	2.4
K290235		2070	146.5	<0.002	0.14	10.55	10.5	1	1.9	209	0.59	<0.05	12.6	0.254	1.73	2.3
K290236		680	155.0	<0.002	0.43	10.00	10.2	<1	2.3	120.5	0.58	<0.05	12.1	0.243	2.14	3.7
K290237		1140	197.5	<0.002	0.94	12.25	10.5	1	2.1	76.5	0.56	<0.05	12.4	0.223	2.66	5.7
K290238		514	167.5	0.002	2.77	27.6	9.3	1	5.4	110.5	0.49	0.30	11.8	0.211	2.38	4.9
K290239		21.2	128.0	<0.002	0.10	8.12	11.2	1	1.8	237	0.65	<0.05	12.5	0.275	1.39	3.1
K290240		3280	174.0	<0.002	0.77	13.60	9.8	1	2.4	139.0	0.52	<0.05	12.7	0.231	2.27	5.3
K290241		20.8	124.0	<0.002	0.02	2.20	10.6	1	1.7	412	0.60	<0.05	14.1	0.260	1.16	4.1
K290242		175.0	123.0	<0.002	0.05	3.89	10.7	1	1.7	340	0.61	<0.05	12.9	0.262	1.37	3.7
K290243		135.0	130.5	<0.002	0.06	5.20	11.5	1	1.7	355	0.65	<0.05	14.3	0.264	1.40	4.0
K290244		1230	138.0	<0.002	0.50	9.38	11.0	1	2.1	170.0	0.56	<0.05	12.8	0.242	2.06	5.8
K290245		3.6	1.0	<0.002	<0.01	0.09	0.1	<1	<0.2	46.7	<0.05	<0.05	<0.2	<0.005	<0.02	0.6
K290246		246	126.5	<0.002	0.34	12.50	10.0	<1	1.6	99.9	0.57	<0.05	13.0	0.238	2.15	4.2
K290247		33.3	111.0	<0.002	0.06	22.8	10.5	1	1.7	133.0	0.61	<0.05	12.7	0.245	1.28	2.2
K290248		24.4	125.0	0.003	0.05	18.10	13.1	1	2.1	123.0	1.00	<0.05	13.0	0.282	1.34	4.1
K290249		5590	165.0	0.003	0.84	26.8	9.9	1	2.0	57.4	0.84	<0.05	13.0	0.188	2.39	3.8
K290250		1275	157.0	0.005	4.56	60.9	9.8	1	7.4	95.5	0.51	1.05	11.3	0.203	2.60	5.0
K290251		17.8	109.0	<0.002	0.12	32.6	12.3	1	1.8	154.0	0.66	<0.05	12.3	0.273	1.29	2.1
K290252		31.0	112.5	<0.002	0.10	43.3	11.8	1	1.6	144.0	0.58	<0.05	13.0	0.250	1.33	3.8
K290253		283	99.5	0.003	0.13	10.15	11.5	1	2.0	263	0.62	<0.05	10.2	0.269	1.35	3.1
K290254		125.5	159.5	0.002	0.21	22.0	11.2	1	1.8	74.6	0.69	<0.05	16.0	0.243	2.01	3.4

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 28-AUG-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15123404

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Pb-OG62	Zn-OG62
	Analyte	V	W	Y	Zn	Zr	Pb	Zn
	Units	ppm	ppm	ppm	ppm	ppm	%	%
	LOR	1	0.1	0.1	2	0.5	0.001	0.001
K290219		65	1.8	14.8	224	36.1		
K290220		68	1.6	13.3	664	33.5		
K290221		60	4.6	15.3	6200	26.4	1.685	
K290222		2	0.1	0.8	23	<0.5		
K290223		62	1.8	14.0	2570	28.8		
K290224		67	3.0	16.8	827	36.0		
K290225		55	3.6	12.6	>10000	25.0		0.997
K290226		59	1.8	14.9	209	27.1		
K290227		65	2.6	13.7	230	33.9		
K290228		62	1.9	15.1	522	32.6		
K290229		69	4.1	15.9	199	34.7		
K290230		69	4.3	15.0	191	36.1		
K290231		66	1.5	15.4	152	32.2		
K290232		68	1.4	17.0	83	36.1		
K290233		77	3.4	16.6	338	31.7		
K290234		73	2.7	15.5	672	29.6		
K290235		69	3.0	14.6	441	28.3		
K290236		70	2.7	14.5	1380	28.3		
K290237		68	2.8	15.9	2390	27.0		
K290238		69	5.6	11.6	939	31.3		
K290239		77	2.6	16.3	72	30.2		
K290240		66	6.1	13.8	5550	26.7		
K290241		72	1.1	17.2	56	30.3		
K290242		73	1.7	16.8	304	30.8		
K290243		75	1.7	18.2	93	31.7		
K290244		72	4.4	17.4	1190	28.2		
K290245		2	0.1	0.7	17	<0.5		
K290246		66	6.1	14.4	624	27.2		
K290247		70	3.0	15.7	69	30.7		
K290248		75	3.7	16.4	71	36.6		
K290249		57	3.8	14.7	3830	28.4		
K290250		61	5.8	11.2	2340	27.9		
K290251		71	9.1	15.6	70	27.4		
K290252		69	8.7	16.3	98	29.0		
K290253		76	2.6	15.6	1360	27.6		
K290254		66	3.1	14.9	185	36.1		

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VANCOUVER BC V6B 1L8

Project: Klaza

Finalized Date: 28-AUG-2015
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH15123404

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	ME-MS61	ME-OG62	Pb-OG62
Zn-OG62			

ALS Canada Ltd.

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VANCOUVER BC V6B 1L8

Finalized Date: 27-AUG-2015
Account: ROCKHA

CERTIFICATE WH15123407

Project: Klaza

P.O. No.: BATCH 122

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 17-AUG-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21d	Sample logging - ClientBarCode Dup
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
BAG-06	Double Bagging Coarse Rejects
SPL-21d	Split sample - duplicate
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31d	Pulverize Split - duplicate

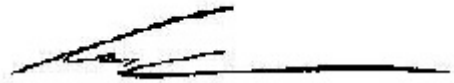
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.

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Finalized Date: 27-AUG-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15123407

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
K289827		2.17	<0.005	0.09	7.67	32.0	2070	1.79	0.27	3.27	0.10	55.8	9.8	17	22.5	12.9
K289828		5.97	<0.005	0.07	7.68	19.9	3910	1.86	0.14	3.82	0.15	66.7	9.4	36	15.40	14.8
K289829		2.76	0.009	0.20	7.79	27.3	2050	1.80	0.41	2.88	0.23	52.8	12.5	12	16.65	4.1
K289830		4.17	<0.005	0.08	7.28	7.9	1850	1.40	0.16	2.27	0.11	44.4	10.4	9	12.35	5.2
K289831		2.41	0.015	0.73	7.13	136.5	1560	1.34	0.52	1.90	1.50	42.6	8.2	12	13.80	4.8
K289832		1.17	0.022	0.91	7.28	248	1660	1.36	0.67	1.97	1.81	47.1	8.4	9	13.65	5.4
K289833		7.66	<0.005	0.08	7.27	5.2	2310	1.48	0.11	2.76	0.09	59.1	7.9	14	13.55	4.3
K289834		3.86	0.006	1.19	6.91	92.8	1240	1.56	0.87	2.58	1.99	42.9	8.1	8	13.50	9.7
K289835		6.55	<0.005	0.15	7.48	4.2	2120	1.51	0.23	2.90	0.23	48.5	9.4	15	11.25	13.0
K289836		0.34	0.343	4.50	6.61	729	680	1.45	3.51	2.02	11.25	47.4	12.3	25	12.55	312
K289837		5.56	0.006	0.21	6.43	22.9	1850	1.37	0.22	4.41	0.59	40.6	7.6	11	11.80	9.0
K289838		4.97	0.005	0.22	7.09	7.3	2050	1.46	0.45	2.78	0.18	44.5	8.3	9	10.60	15.2
K289839		<0.02	0.005	0.14	7.05	5.1	2050	1.48	0.28	2.86	0.15	41.7	8.1	16	11.65	22.3
K289840		5.12	<0.005	0.17	7.19	13.5	1740	1.45	0.12	1.77	0.58	38.9	7.9	10	11.20	11.6
K289841		4.75	<0.005	0.13	7.43	53.7	2040	1.48	0.09	2.97	0.62	46.0	8.5	8	10.55	7.0
K289842		4.03	0.050	0.89	7.28	264	1080	1.44	0.33	2.04	9.23	48.2	9.4	10	12.35	14.4
K289843		3.99	<0.005	0.26	8.11	21.0	1340	1.83	0.94	1.57	0.79	40.4	8.4	10	13.80	5.7
K289844		5.95	0.096	1.71	6.59	462	950	1.43	0.63	2.81	3.58	44.4	8.8	12	12.65	140.0
K289845		5.02	<0.005	0.01	0.11	0.6	30	0.06	0.02	21.0	0.08	1.70	0.8	1	0.24	2.1
K289846		3.05	0.141	1.53	7.17	701	940	1.73	0.27	2.07	12.45	46.0	13.1	11	14.95	20.9
K289847		2.91	<0.005	0.29	7.51	33.6	890	2.24	0.16	3.90	0.25	68.6	7.2	16	25.9	12.0
K289848		1.20	0.656	1.33	7.33	1730	450	2.41	0.50	3.66	6.85	74.9	8.9	18	27.4	12.6
K289849		1.39	<0.005	0.20	8.03	54.0	1780	2.52	0.14	3.69	0.30	74.8	7.5	27	29.8	6.1
K289850		1.61	0.123	3.01	7.06	393	940	1.36	0.22	2.31	20.6	41.2	9.9	9	12.35	32.9
K289851		1.48	<0.005	0.15	6.96	9.1	1690	1.48	0.13	2.64	0.47	42.1	7.1	10	14.50	12.1
K289852		1.05	0.127	1.83	6.82	96.4	1000	1.37	1.40	3.53	21.7	54.0	15.0	9	17.75	60.5
K289853		5.04	<0.005	0.01	0.07	<0.2	50	0.06	0.02	20.3	0.16	1.30	0.8	1	0.22	1.9
K289854		2.36	0.006	0.10	7.05	4.9	2000	1.55	0.07	2.76	0.18	39.8	8.8	10	12.50	9.3
K289855		1.64	0.038	0.72	7.05	36.9	1740	1.44	0.46	3.59	0.55	46.5	8.6	10	16.30	56.0
K289856		3.60	<0.005	0.07	6.69	4.1	1760	1.25	0.05	2.32	0.14	36.1	8.4	8	16.50	8.6
K289857		0.34	0.884	10.90	6.40	1570	1050	1.42	11.25	1.78	32.7	48.2	17.3	18	12.70	285
K289858		5.70	<0.005	0.14	7.13	6.2	1600	1.50	0.16	2.44	0.17	41.7	8.1	12	21.1	9.1
K289859		5.28	<0.005	0.09	6.87	5.8	1810	1.41	0.07	2.45	0.19	38.5	7.9	12	16.15	8.5
K289860		3.64	0.010	0.46	7.05	23.6	1450	1.49	0.38	2.70	0.46	41.2	7.8	10	15.25	29.5
K289861		4.22	<0.005	0.13	7.02	10.8	1110	1.67	0.12	2.46	0.20	46.8	7.9	10	20.5	9.8
K289862		3.74	<0.005	0.25	8.26	45.6	1790	1.43	0.25	0.41	1.39	56.2	8.3	8	16.70	30.6

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 27-AUG-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15123407

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
K289827		3.29	16.25	0.13	1.8	0.056	2.75	26.9	49.7	1.19	1220	1.52	0.70	8.4	11.5	910
K289828		2.94	18.55	0.12	3.4	0.038	1.98	33.3	109.0	1.33	768	1.21	0.12	10.7	14.3	1460
K289829		4.23	18.90	0.14	1.3	0.127	3.25	25.4	31.4	1.09	1960	20.6	0.64	9.0	3.6	710
K289830		3.47	16.90	0.12	1.4	0.069	2.93	20.1	24.4	0.81	1120	6.84	0.67	8.4	3.0	650
K289831		3.72	16.35	0.12	1.2	0.098	2.92	19.4	51.2	0.77	1990	1.27	0.22	8.1	3.0	660
K289832		4.09	16.45	0.12	1.2	0.103	2.95	22.0	57.0	0.82	1940	1.13	0.23	7.7	3.0	630
K289833		2.92	15.35	0.13	1.2	0.039	2.87	29.5	12.7	0.82	885	1.22	1.72	7.7	2.9	590
K289834		3.41	15.45	0.12	1.2	0.105	3.20	20.0	33.4	0.83	3720	1.00	0.13	7.6	2.5	620
K289835		3.21	16.05	0.12	1.3	0.051	2.64	22.9	19.0	0.87	972	1.28	1.61	8.0	3.0	660
K289836		5.00	15.10	0.13	1.1	0.314	3.04	23.4	27.0	0.75	1920	13.60	0.15	6.4	15.0	530
K289837		2.94	14.70	0.11	1.1	0.077	2.74	18.9	24.7	0.79	1870	1.21	0.76	6.8	2.4	550
K289838		3.45	15.70	0.12	1.2	0.071	2.79	20.5	18.0	0.87	1050	1.08	1.48	7.4	2.7	610
K289839		3.34	15.55	0.11	1.2	0.069	2.93	18.7	16.6	0.87	1190	1.56	1.46	7.6	2.8	630
K289840		3.22	16.20	0.11	1.2	0.077	2.55	17.4	43.7	0.59	1520	0.88	0.08	7.9	2.5	640
K289841		3.31	16.20	0.12	1.1	0.055	2.83	21.0	11.6	0.91	1360	0.94	1.83	7.9	2.8	640
K289842		4.57	15.60	0.13	1.0	0.240	3.07	24.1	27.2	0.87	3510	1.28	0.05	7.4	2.8	610
K289843		4.81	23.1	0.13	1.2	0.418	2.90	16.9	48.5	0.77	2000	1.25	0.05	9.5	3.3	750
K289844		4.45	14.65	0.12	0.9	0.185	3.03	22.6	96.3	1.02	3070	1.30	0.03	6.7	2.8	510
K289845		0.48	0.39	<0.05	<0.1	0.007	0.04	0.8	1.7	12.95	219	0.12	<0.01	0.2	1.2	200
K289846		4.25	15.75	0.11	1.1	0.253	3.10	21.8	67.5	0.78	3430	2.29	0.06	7.5	2.7	590
K289847		2.35	18.10	0.14	3.6	0.032	3.00	36.3	38.6	1.35	1080	2.71	0.07	10.6	6.5	1110
K289848		2.71	17.05	0.12	3.3	0.055	2.31	39.9	85.8	1.21	1010	12.95	0.06	10.7	6.1	1160
K289849		3.10	19.95	0.13	4.0	0.041	2.79	35.9	48.6	1.24	951	1.66	0.07	13.2	9.0	1660
K289850		4.33	15.65	0.11	1.1	0.224	2.98	18.5	21.2	0.63	1160	3.53	0.10	7.4	2.9	700
K289851		3.58	15.50	0.12	1.2	0.116	3.30	18.9	29.0	0.75	2150	0.70	0.49	7.7	2.5	640
K289852		5.06	14.55	0.12	1.0	0.191	2.95	27.6	62.1	1.21	3360	0.64	0.07	6.9	2.7	580
K289853		0.47	0.26	<0.05	<0.1	0.006	0.03	0.6	1.2	12.60	210	0.18	<0.01	0.2	1.3	180
K289854		3.11	16.50	0.12	1.1	0.045	2.81	17.3	17.3	0.81	1100	0.92	1.44	7.9	2.9	630
K289855		3.45	14.70	0.11	1.1	0.061	2.79	23.0	15.3	1.33	1660	0.79	1.12	7.1	3.0	560
K289856		2.91	15.65	0.10	1.1	0.042	2.46	15.7	46.8	0.74	891	0.47	0.09	7.9	2.7	660
K289857		6.41	14.70	0.12	1.0	0.774	2.90	23.4	19.3	0.74	1760	8.61	0.13	6.5	12.1	530
K289858		3.07	16.20	0.11	1.1	0.052	2.68	18.6	30.2	0.70	1100	0.99	0.69	8.2	2.7	620
K289859		3.00	15.35	0.10	1.2	0.061	2.88	16.9	28.7	0.72	1380	0.86	0.73	7.3	2.6	580
K289860		3.72	14.65	0.10	1.0	0.114	3.19	20.3	25.7	0.99	2660	0.75	0.06	7.1	2.4	560
K289861		3.02	15.80	0.11	1.1	0.074	3.04	21.9	76.9	0.88	1660	0.87	0.09	7.9	2.7	600
K289862		3.18	17.05	0.11	1.7	0.057	2.74	25.4	25.5	0.22	1220	4.41	0.49	8.5	2.6	740

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To: **ROCKHAVEN RESOURCES LTD.**
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VANCOUVER BC V6B 1L8

Finalized Date: 27-AUG-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15123407

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
K289827		15.5	121.5	0.002	0.17	9.92	11.1	1	1.5	248	0.55	<0.05	10.7	0.318	1.53	3.2
K289828		15.3	59.9	<0.002	0.11	12.70	7.7	1	1.3	293	0.56	<0.05	8.0	0.384	0.94	3.2
K289829		25.1	150.0	0.004	0.36	7.60	12.6	1	1.9	155.5	0.65	<0.05	13.5	0.313	2.05	3.9
K289830		15.4	92.8	0.002	0.14	7.50	11.6	1	1.6	219	0.64	<0.05	12.3	0.292	1.30	4.0
K289831		243	121.5	<0.002	0.40	11.80	11.9	1	1.9	147.5	0.58	<0.05	11.0	0.277	1.75	3.6
K289832		396	128.0	<0.002	0.62	13.20	12.0	1	2.1	156.0	0.55	<0.05	12.1	0.278	1.71	3.7
K289833		18.3	112.5	<0.002	0.04	3.82	10.6	1	1.5	344	0.54	<0.05	14.7	0.256	1.29	4.1
K289834		90.3	155.5	<0.002	0.29	16.10	10.9	1	2.1	139.5	0.55	<0.05	11.1	0.273	2.33	4.3
K289835		21.8	102.0	<0.002	0.05	3.88	12.1	1	2.7	422	0.57	<0.05	12.6	0.289	1.16	4.2
K289836		499	145.5	0.003	2.71	28.3	8.8	1	5.6	113.5	0.47	0.31	11.3	0.204	2.55	5.4
K289837		26.4	97.9	<0.002	0.14	6.21	9.9	1	2.1	374	0.50	<0.05	10.0	0.233	1.44	3.6
K289838		21.7	106.0	<0.002	0.12	3.58	10.8	1	2.1	347	0.54	<0.05	11.7	0.258	1.36	4.2
K289839		18.0	107.5	<0.002	0.08	3.65	10.6	1	2.2	336	0.56	<0.05	10.6	0.275	1.48	3.9
K289840		25.1	94.6	<0.002	0.17	18.95	11.2	1	1.9	132.0	0.57	<0.05	10.8	0.280	1.57	3.0
K289841		26.0	107.0	<0.002	0.14	3.57	11.4	1	1.5	387	0.58	<0.05	11.7	0.285	1.33	4.1
K289842		325	163.5	<0.002	1.10	14.65	11.6	1	2.8	107.5	0.53	<0.05	13.0	0.266	2.31	4.2
K289843		26.6	115.0	<0.002	0.36	21.4	14.9	1	6.0	93.4	0.67	<0.05	11.8	0.325	2.28	4.2
K289844		123.5	199.0	<0.002	1.85	43.2	9.4	1	3.2	119.5	0.48	<0.05	11.8	0.225	2.57	5.3
K289845		2.1	2.4	<0.002	<0.01	0.28	0.2	<1	<0.2	50.8	<0.05	<0.05	0.2	<0.005	0.03	0.9
K289846		546	128.5	<0.002	1.64	15.85	10.6	1	2.7	179.0	0.55	0.06	12.3	0.259	2.39	5.3
K289847		20.3	163.5	<0.002	0.18	23.6	7.0	<1	1.3	466	0.66	<0.05	10.4	0.290	3.62	7.3
K289848		205	118.0	<0.002	0.50	34.3	6.7	1	1.7	714	0.64	0.05	10.2	0.306	2.50	9.8
K289849		15.7	82.8	<0.002	0.09	14.30	7.6	1	1.4	752	0.78	<0.05	9.1	0.423	2.96	6.4
K289850		648	108.5	<0.002	2.69	12.80	12.1	1	5.1	229	0.48	<0.05	10.2	0.305	2.11	3.4
K289851		30.2	121.0	<0.002	0.08	6.28	11.1	1	2.1	220	0.57	<0.05	10.9	0.277	1.95	4.1
K289852		397	153.0	<0.002	1.61	13.55	11.0	1	2.3	186.5	0.52	0.17	14.7	0.239	1.97	4.4
K289853		2.6	1.6	<0.002	<0.01	0.19	0.2	<1	<0.2	53.5	<0.05	<0.05	<0.2	<0.005	0.02	0.8
K289854		20.8	94.2	<0.002	0.03	4.71	11.1	1	1.7	345	0.57	<0.05	10.9	0.279	1.29	3.7
K289855		51.1	131.0	<0.002	0.35	7.52	10.7	1	1.5	292	0.51	<0.05	12.1	0.247	1.49	4.0
K289856		17.1	71.7	<0.002	0.03	10.85	10.9	1	1.7	180.5	0.57	<0.05	10.4	0.284	1.17	3.2
K289857		1285	167.0	0.002	4.58	60.5	9.0	2	7.6	98.5	0.47	1.05	11.8	0.205	2.56	5.4
K289858		42.6	99.8	<0.002	0.03	8.78	11.3	1	1.7	253	0.67	<0.05	10.7	0.280	1.32	3.7
K289859		26.0	108.5	<0.002	0.07	6.88	10.5	1	1.6	253	0.56	<0.05	10.4	0.255	1.60	4.0
K289860		56.8	178.5	<0.002	0.44	16.30	10.4	1	1.9	144.0	0.53	<0.05	11.7	0.246	2.53	4.4
K289861		18.4	112.0	<0.002	0.11	10.80	10.9	1	1.9	192.5	0.64	<0.05	11.3	0.265	2.07	4.4
K289862		35.3	121.5	<0.002	<0.01	14.20	12.6	1	1.8	82.0	0.61	<0.05	14.5	0.292	1.78	4.0

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Sample Description	Method Analyte Units LOR	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
K289827		85	1.7	14.4	70	57.7
K289828		81	2.6	12.5	85	149.5
K289829		86	2.7	15.6	97	32.0
K289830		87	3.4	14.7	63	33.1
K289831		87	4.8	14.5	149	28.5
K289832		86	4.6	14.9	169	28.3
K289833		76	1.3	14.6	53	31.3
K289834		82	2.8	14.4	230	28.6
K289835		89	2.8	16.5	67	31.8
K289836		67	5.6	11.5	897	29.4
K289837		72	3.0	14.7	83	26.9
K289838		79	2.0	14.4	69	29.1
K289839		83	1.5	13.7	68	28.8
K289840		85	6.1	13.5	103	28.6
K289841		86	1.2	15.5	99	26.0
K289842		82	6.2	13.1	674	24.4
K289843		122	7.5	14.1	150	30.9
K289844		70	4.9	12.9	296	22.4
K289845		3	0.1	1.0	18	0.7
K289846		79	4.8	12.6	1140	25.2
K289847		64	2.7	14.3	66	141.5
K289848		64	3.8	12.6	539	136.0
K289849		85	2.1	13.6	82	166.0
K289850		97	4.8	11.7	1940	26.5
K289851		85	3.1	15.4	105	26.8
K289852		78	3.4	17.2	2280	21.7
K289853		2	0.1	0.8	25	<0.5
K289854		84	1.7	14.4	72	24.1
K289855		76	1.5	15.1	103	24.9
K289856		84	4.1	14.5	64	24.2
K289857		62	5.9	11.7	2340	28.3
K289858		85	2.9	15.2	68	25.3
K289859		77	2.6	13.8	76	26.0
K289860		75	3.9	14.5	85	22.7
K289861		81	2.7	15.0	72	24.4
K289862		92	3.6	18.7	140	44.5

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

2103 Dollarton Hwy
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Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 27-AUG-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15123407

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	ME-MS61

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Finalized Date: 29-AUG-2015
Account: ROCKHA

CERTIFICATE WH15123409

Project: Klaza

P.O. No.: BATCH 123

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 17-AUG-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21d	Sample logging - ClientBarCode Dup
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
BAG-06	Double Bagging Coarse Rejects
SPL-21d	Split sample - duplicate
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31d	Pulverize Split - duplicate

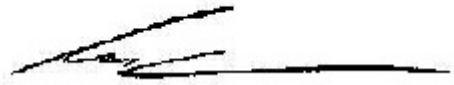
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Zn-OG62	Ore Grade Zn - Four Acid	VARIABLE
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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Finalized Date: 29-AUG-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15123409

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
K290255		2.80	0.081	0.85	7.04	59.9	>10000	1.68	0.32	0.29	1.58	66.9	13.3	8	18.80	9.5
K290256		3.17	0.093	2.51	6.98	45.2	1450	1.56	0.10	1.40	21.0	44.8	4.5	9	17.25	13.9
K290257		10.63	0.026	0.12	7.96	12.9	2180	1.30	0.12	0.85	0.49	42.4	5.7	11	17.55	6.0
K290258		4.91	0.019	0.14	7.88	13.2	2130	1.21	0.10	0.84	0.56	42.6	4.9	9	17.20	7.1
K290259		11.52	0.006	0.16	7.21	11.9	2430	1.64	0.13	2.06	0.33	42.7	6.2	11	18.10	5.4
K290260		6.32	<0.005	0.30	7.43	24.9	2110	1.91	0.15	1.65	1.51	47.9	6.6	8	22.9	4.9
K290261		3.00	<0.005	0.20	5.95	22.4	320	3.08	0.73	0.16	0.40	18.35	0.6	3	11.15	1.8
K290262		6.52	0.006	0.43	7.84	15.3	2050	1.42	0.11	1.09	0.99	46.0	5.4	9	20.4	3.2
K290263		2.62	0.021	0.23	7.92	16.3	4600	1.35	0.09	0.59	0.70	50.0	6.7	9	18.35	4.6
K290264		0.34	0.379	4.67	6.85	721	850	1.48	3.39	2.05	11.05	51.9	12.7	26	13.90	315
K290265		5.79	<0.005	0.08	7.55	12.4	1200	1.23	0.11	1.11	0.18	47.8	5.6	11	14.70	2.5
K290266		4.31	0.005	0.15	6.33	14.4	1510	1.83	0.15	1.57	0.36	37.1	4.8	9	19.30	2.9
K290267		4.40	0.011	0.46	7.18	19.9	2350	1.69	0.33	1.00	1.70	37.0	6.3	10	12.75	4.3
K290268		1.11	0.641	17.15	4.73	238	1090	1.46	4.53	0.90	52.8	39.2	12.0	15	13.25	136.5
K290269		5.02	<0.005	0.04	0.08	0.7	30	0.06	0.03	20.0	0.16	1.38	0.7	1	0.32	1.3
K290270		5.19	0.006	0.57	7.02	18.1	1220	1.58	0.24	1.64	4.47	43.2	4.9	9	17.35	8.1
K290271		5.81	<0.005	0.58	7.61	11.3	2230	1.51	0.17	1.35	1.60	51.0	5.2	10	12.45	3.4
K290272		7.55	<0.005	0.40	7.05	18.0	2710	1.84	0.26	1.64	1.42	52.6	11.2	12	11.20	2.5
K290273		5.75	<0.005	0.25	7.32	14.5	2110	1.71	0.28	1.97	0.21	46.2	5.9	12	12.25	11.9
K290274		8.60	<0.005	0.17	7.46	6.4	2250	1.73	0.11	2.34	0.11	47.9	5.3	12	10.45	3.1
K290275		3.29	0.006	0.76	7.60	14.3	2130	1.49	0.13	1.30	0.66	43.1	5.3	10	13.05	5.8
K290276		7.04	<0.005	0.07	7.44	6.5	2270	1.54	0.10	1.90	0.11	46.7	5.9	11	11.05	5.7
K290277		<0.02	<0.005	0.08	7.39	6.8	2290	1.59	0.10	1.92	0.11	40.6	6.0	11	10.70	6.8
K290278		10.15	<0.005	0.57	7.39	9.0	1990	1.63	0.09	2.40	5.93	51.2	6.0	12	19.60	8.7
K290279		11.58	<0.005	0.33	7.32	10.2	2090	1.65	0.11	1.88	1.89	48.6	5.2	11	18.60	4.7
K290280		6.85	<0.005	0.11	7.07	9.9	2300	1.66	0.15	2.22	0.14	46.5	7.3	14	16.00	3.5
K290281		4.09	0.007	0.50	7.02	20.1	2310	1.77	0.31	1.65	1.99	47.5	8.7	12	10.80	3.0
K290282		1.11	0.037	2.46	6.11	50.9	600	1.28	0.99	1.74	10.05	22.6	33.4	10	5.18	10.5
K290283		5.05	<0.005	0.02	0.06	<0.2	270	<0.05	0.02	19.50	0.06	1.18	0.6	1	0.14	1.0
K290284		4.41	0.008	0.56	7.10	14.1	2100	1.59	0.28	1.47	5.70	44.6	7.1	10	12.10	13.3
K290285		0.34	0.898	12.50	6.21	1545	330	1.52	12.30	1.78	33.1	43.2	18.6	19	13.10	276
K290286		7.75	0.007	0.48	7.23	18.6	2180	1.61	0.30	1.44	0.44	49.2	10.4	11	13.05	3.1
K290287		1.19	0.031	1.52	6.24	45.1	1740	1.40	1.00	2.24	1.30	51.2	31.0	12	7.69	12.5
K290288		2.94	0.010	0.31	6.34	19.5	1350	1.69	0.17	1.75	0.83	40.0	4.3	12	16.10	4.3
K290289		1.14	0.261	13.60	4.88	59.2	420	1.31	0.51	3.42	209	55.4	5.3	8	11.20	164.0
K290290		3.51	<0.005	0.30	7.20	13.3	2420	1.36	0.17	1.30	1.54	48.4	6.0	9	16.30	9.6

***** See Appendix Page for comments regarding this certificate *****

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 29-AUG-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15123409

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
K290255		4.75	15.70	0.13	1.0	0.115	2.77	37.3	49.6	0.22	2820	1.83	0.04	6.6	3.6	480
K290256		3.06	14.85	0.13	1.0	0.052	2.77	22.0	73.4	0.47	1440	1.00	0.05	7.9	2.5	530
K290257		3.13	17.60	0.14	1.1	0.061	2.95	21.2	38.2	0.31	900	1.00	0.07	9.0	2.4	640
K290258		2.99	16.70	0.12	1.1	0.050	3.00	21.1	39.5	0.35	849	1.14	0.07	8.7	2.3	620
K290259		2.90	16.25	0.14	1.2	0.058	3.02	20.7	26.4	0.35	600	0.85	1.31	8.4	2.4	570
K290260		3.52	16.50	0.14	1.1	0.072	2.92	22.9	31.4	0.38	1240	0.93	0.49	9.2	2.5	600
K290261		0.72	18.60	0.13	2.8	0.027	1.69	8.5	94.0	0.13	349	0.69	0.03	22.3	0.5	40
K290262		3.33	17.15	0.12	1.3	0.047	2.69	22.8	35.8	0.48	1370	0.77	0.05	9.1	2.5	620
K290263		2.86	16.75	0.12	1.2	0.049	2.37	25.1	44.6	0.22	1160	0.79	0.06	8.9	2.9	590
K290264		5.10	15.10	0.12	1.0	0.299	2.98	28.9	28.1	0.79	1890	15.45	0.15	6.4	14.7	530
K290265		2.59	15.75	0.11	1.1	0.050	2.16	24.0	76.7	0.40	913	0.57	0.05	8.4	2.2	610
K290266		2.21	15.30	0.11	1.1	0.072	2.52	17.7	50.8	0.25	968	0.72	0.03	8.1	2.4	520
K290267		3.00	15.90	0.14	1.1	0.079	3.13	17.7	26.5	0.32	1380	1.68	0.02	7.2	2.7	540
K290268		2.90	11.20	0.10	1.4	0.431	1.56	21.7	77.6	0.35	1680	3.59	0.02	5.5	7.5	300
K290269		0.47	0.27	0.18	<0.1	0.006	0.03	0.7	1.7	13.10	204	0.33	<0.01	0.2	1.6	210
K290270		2.87	15.95	0.16	1.1	0.089	2.84	21.3	53.3	0.59	1400	1.28	0.03	8.4	2.2	570
K290271		2.63	16.50	0.16	1.1	0.056	3.09	25.8	30.9	0.51	976	0.96	0.05	8.4	2.2	620
K290272		2.45	17.00	0.14	1.1	0.058	3.43	25.7	19.6	0.50	690	0.51	0.06	8.3	2.8	630
K290273		2.54	17.05	0.16	1.2	0.084	3.07	23.2	32.7	0.63	868	0.77	0.41	9.0	2.5	610
K290274		2.91	16.20	0.14	1.2	0.045	2.78	23.6	15.4	0.71	591	0.76	1.99	8.3	2.4	590
K290275		3.13	17.05	0.14	1.1	0.060	2.77	21.0	41.4	0.42	1260	0.61	0.12	8.6	2.2	610
K290276		2.78	16.60	0.16	1.2	0.051	2.75	23.3	19.5	0.56	616	0.69	1.48	8.5	2.5	590
K290277		2.82	16.30	0.14	1.2	0.049	2.76	19.6	19.1	0.57	628	0.70	1.50	8.5	2.4	610
K290278		2.97	16.45	0.16	1.2	0.047	2.77	26.6	35.2	0.67	860	0.70	1.53	8.4	2.5	580
K290279		3.12	16.25	0.18	1.2	0.050	2.99	23.8	25.6	0.57	1020	0.76	0.88	8.1	2.4	580
K290280		3.02	15.50	0.14	1.1	0.068	3.00	23.1	22.6	0.63	890	0.74	1.20	8.0	2.5	560
K290281		2.77	15.05	0.16	1.1	0.080	3.29	24.5	34.4	0.63	1830	0.74	0.02	7.7	2.7	520
K290282		4.88	16.05	0.23	0.9	0.149	2.61	11.7	27.1	0.90	2350	0.46	0.11	4.9	10.5	490
K290283		0.44	0.24	0.20	<0.1	<0.005	0.03	0.6	1.3	12.60	194	0.08	<0.01	0.2	1.4	170
K290284		2.99	15.75	0.41	1.1	0.096	3.09	23.5	30.0	0.56	1340	2.04	0.03	7.7	5.3	560
K290285		6.30	15.45	0.12	0.9	0.805	2.77	22.5	19.9	0.73	1760	8.43	0.12	6.3	14.0	490
K290286		3.17	16.30	0.14	1.1	0.087	2.99	25.6	39.7	0.56	1240	1.32	0.04	7.6	3.1	560
K290287		3.92	14.30	0.13	1.0	0.185	2.83	28.2	12.8	0.88	2330	0.78	0.05	5.7	5.9	470
K290288		2.88	14.20	0.14	0.9	0.061	2.50	21.0	85.2	0.64	1620	1.30	0.02	6.9	2.2	470
K290289		4.12	11.60	0.14	0.8	0.243	2.12	30.1	39.4	0.90	2950	1.55	0.02	5.5	1.9	390
K290290		3.04	15.80	0.14	1.0	0.078	2.78	24.7	36.5	0.51	1170	0.97	0.05	7.6	2.2	550

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Finalized Date: 29-AUG-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15123409

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
K290255		43.5	140.0	0.003	0.33	34.6	11.2	1	1.7	121.5	0.54	0.08	12.8	0.192	1.78	6.5
K290256		599	117.0	0.002	0.26	18.65	9.8	1	1.6	104.0	0.59	<0.05	11.7	0.247	1.88	3.9
K290257		15.1	137.0	0.002	0.03	22.6	12.1	<1	1.8	81.8	0.68	<0.05	13.8	0.271	1.49	2.6
K290258		15.9	133.0	0.003	0.04	23.5	11.1	1	1.7	83.1	0.67	<0.05	13.3	0.270	1.42	2.5
K290259		27.2	125.5	0.003	0.04	8.56	10.1	<1	1.8	236	0.65	<0.05	11.6	0.254	1.31	2.8
K290260		68.8	151.5	0.002	0.08	15.10	10.9	1	1.8	117.0	0.68	<0.05	13.0	0.259	2.01	3.5
K290261		34.9	115.0	0.002	0.01	35.8	3.2	<1	2.9	53.8	2.31	<0.05	23.1	0.031	1.25	7.8
K290262		202	129.5	0.002	0.07	22.4	11.9	1	1.6	73.7	0.72	<0.05	14.4	0.268	1.54	4.1
K290263		31.8	114.5	0.002	0.12	32.0	11.1	1	1.4	79.3	0.67	<0.05	14.5	0.262	1.27	3.2
K290264		480	170.0	0.004	2.71	27.9	9.5	1	5.5	110.5	0.50	0.35	12.6	0.206	2.58	5.2
K290265		12.5	94.0	0.002	0.04	24.4	10.2	1	1.3	189.0	0.64	<0.05	14.0	0.254	1.03	3.2
K290266		8.7	118.0	0.002	0.05	32.7	9.4	<1	1.3	90.6	0.59	<0.05	10.6	0.233	1.66	2.3
K290267		74.2	160.5	0.003	0.17	15.60	10.2	1	1.3	39.3	0.57	<0.05	12.7	0.217	2.35	3.6
K290268		3130	86.7	0.003	1.32	84.4	6.9	<1	2.7	71.0	0.43	0.08	9.0	0.147	1.48	7.1
K290269		7.1	2.1	0.003	0.01	0.29	0.2	1	<0.2	50.0	<0.05	<0.05	0.2	<0.005	0.03	0.5
K290270		125.5	118.0	<0.002	0.14	16.30	9.9	1	1.8	82.6	0.66	<0.05	12.0	0.246	1.92	3.5
K290271		271	139.5	0.003	0.09	23.5	11.5	1	1.3	72.2	0.63	<0.05	13.1	0.259	1.80	3.6
K290272		38.5	159.5	0.002	0.19	39.3	11.5	1	1.3	61.3	0.63	0.05	12.5	0.257	2.35	4.0
K290273		14.6	120.5	0.003	0.16	13.35	11.4	1	1.6	121.0	0.67	<0.05	12.9	0.264	1.70	4.3
K290274		54.4	106.5	0.002	0.02	3.40	10.7	1	1.4	328	0.64	<0.05	13.2	0.258	1.09	2.9
K290275		425	111.0	0.002	0.12	23.0	11.1	1	1.6	88.9	0.63	<0.05	12.6	0.266	1.34	3.1
K290276		18.7	103.0	0.002	0.01	9.71	10.8	1	1.5	263	0.68	<0.05	12.8	0.264	1.07	2.7
K290277		17.8	98.6	0.002	0.01	9.60	10.4	1	1.5	263	0.66	<0.05	11.6	0.267	1.06	2.6
K290278		77.9	117.5	0.003	0.05	5.16	11.0	1	1.5	270	0.64	<0.05	14.2	0.252	1.30	3.5
K290279		59.3	124.0	0.002	0.04	11.50	10.5	1	1.6	184.0	0.61	<0.05	13.1	0.253	1.51	3.2
K290280		15.5	123.0	0.002	0.10	6.39	9.8	1	1.6	253	0.59	<0.05	12.2	0.242	1.59	3.7
K290281		45.2	143.0	<0.002	0.40	9.65	9.5	<1	1.8	59.2	0.60	0.10	12.7	0.221	2.34	3.7
K290282		459	149.0	0.003	2.17	16.30	16.1	1	1.8	78.5	0.39	0.35	11.1	0.179	1.88	2.9
K290283		1.6	1.4	0.003	0.01	0.10	0.2	<1	<0.2	48.1	<0.05	<0.05	<0.2	<0.005	0.02	0.7
K290284		74.7	124.0	0.004	0.25	8.68	10.8	<1	1.8	77.0	0.59	0.06	11.1	0.237	2.06	3.2
K290285		1245	159.0	0.003	4.44	63.6	9.7	2	7.9	96.0	0.50	1.07	10.4	0.199	2.61	5.2
K290286		59.4	128.5	0.004	0.36	10.70	10.4	1	2.0	96.0	0.60	0.07	11.6	0.239	2.12	3.6
K290287		146.5	164.0	0.003	1.18	13.40	10.7	1	2.5	66.2	0.45	0.14	11.5	0.183	2.58	3.3
K290288		37.1	108.5	0.002	0.23	23.1	9.0	<1	1.8	79.7	0.53	<0.05	10.8	0.209	2.04	3.9
K290289		1505	129.0	0.004	1.47	30.8	8.2	1	2.4	170.0	0.47	<0.05	10.0	0.161	2.00	4.0
K290290		54.2	118.5	0.004	0.11	18.90	10.4	1	1.7	76.1	0.57	<0.05	12.1	0.243	1.63	3.8

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 29-AUG-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15123409

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Zn-OG62
	Analyte	V	W	Y	Zn	Zr	Zn
	Units	ppm	ppm	ppm	ppm	ppm	%
	LOR	1	0.1	0.1	2	0.5	0.001
K290255		74	3.1	17.7	272	27.6	
K290256		63	5.5	11.0	1480	28.4	
K290257		74	4.8	14.3	82	32.7	
K290258		71	4.8	14.4	81	31.9	
K290259		69	2.1	14.1	61	33.9	
K290260		71	3.4	14.8	152	33.2	
K290261		5	1.7	18.3	73	54.4	
K290262		74	4.1	15.8	130	33.8	
K290263		67	3.9	16.3	113	35.6	
K290264		67	5.5	15.7	860	31.2	
K290265		68	3.0	13.3	55	31.4	
K290266		68	2.1	9.6	65	32.0	
K290267		71	2.3	13.3	197	30.7	
K290268		45	3.7	10.8	3290	48.6	
K290269		2	0.1	0.8	21	<0.5	
K290270		69	3.0	13.3	387	31.3	
K290271		74	2.2	16.0	142	30.7	
K290272		74	2.3	14.9	163	32.5	
K290273		71	1.9	15.3	60	32.7	
K290274		71	1.3	15.4	45	33.0	
K290275		71	4.5	15.3	86	33.3	
K290276		71	2.4	15.6	44	31.5	
K290277		72	2.3	14.2	45	32.2	
K290278		71	2.1	17.1	398	34.5	
K290279		69	3.5	16.1	154	35.0	
K290280		67	2.4	15.1	53	32.0	
K290281		62	3.9	13.5	174	30.1	
K290282		108	3.2	10.4	620	25.4	
K290283		3	0.1	0.8	15	<0.5	
K290284		67	3.0	13.0	429	31.1	
K290285		61	5.8	11.3	2290	28.7	
K290286		72	3.5	13.7	80	31.7	
K290287		77	3.2	14.2	146	23.9	
K290288		60	5.3	12.4	100	28.1	
K290289		48	4.7	15.9	>10000	24.5	1.490
K290290		66	3.7	14.4	167	30.3	

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: Klaza

Finalized Date: 29-AUG-2015
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH15123409

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

Applies to Method:				
	BAG-06	CRU-31	CRU-QC	LOG-21
	LOG-21d	LOG-23	PUL-31	PUL-31d
	PUL-QC	SPL-21	SPL-21d	WEI-21

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:				
	Au-AA24	ME-MS61	ME-OG62	Zn-OG62

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 31-AUG-2015
Account: ROCKHA

CERTIFICATE WH15123410

Project: Klaza

P.O. No.: BATCH 124

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 17-AUG-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21d	Sample logging - ClientBarCode Dup
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
BAG-06	Double Bagging Coarse Rejects
SPL-21d	Split sample - duplicate
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31d	Pulverize Split - duplicate

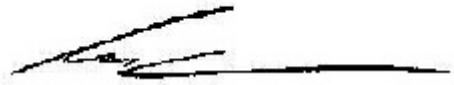
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Pb-OG62	Ore Grade Pb - Four Acid	VARIABLE
Zn-OG62	Ore Grade Zn - Four Acid	VARIABLE
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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Finalized Date: 31-AUG-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15123410

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
K290291		5.51	<0.005	0.48	6.79	4.8	2200	1.68	0.10	2.49	0.41	37.7	7.1	10	16.95	7.6
K290292		1.58	<0.005	3.90	6.87	7.9	2130	1.34	0.13	1.66	29.2	39.7	7.5	7	17.25	11.6
K290293		6.76	<0.005	0.22	6.47	4.3	2130	1.61	0.10	2.60	0.76	35.5	7.2	8	12.95	6.8
K290294		8.08	<0.005	0.75	6.78	8.4	2180	1.64	0.13	2.32	3.51	40.4	9.2	8	15.75	8.7
K290295		1.05	0.207	26.0	6.42	100.0	1040	1.78	1.28	1.68	55.9	43.8	7.9	8	21.9	57.8
K290296		2.38	<0.005	0.18	7.38	5.1	2200	1.86	0.11	2.27	0.37	45.1	7.7	8	21.5	9.2
K290297		3.23	<0.005	0.43	7.16	5.7	2230	1.71	0.11	2.46	1.81	43.1	7.2	10	19.00	6.5
K290298		2.78	0.020	2.19	6.70	31.1	1740	1.62	0.36	1.70	26.8	49.5	7.2	8	17.55	10.1
K290299		1.82	<0.005	1.16	7.43	14.3	1660	1.59	0.23	0.93	2.33	54.3	7.2	7	17.85	8.8
K290300		2.99	<0.005	0.60	6.36	9.8	2100	1.38	0.09	2.58	3.50	34.2	7.4	8	17.00	10.2
K290301		1.88	<0.005	0.08	7.16	6.0	2010	1.35	0.10	1.28	0.19	37.1	5.8	7	18.30	6.4
K290302		2.05	0.290	11.05	5.34	136.5	750	1.49	0.29	4.69	63.4	45.4	10.8	6	14.85	53.9
K290303		5.00	<0.005	0.06	0.09	0.6	30	0.07	0.07	19.70	0.15	1.38	0.7	1	0.25	2.1
K290304		8.89	<0.005	0.19	6.78	7.2	2180	1.59	0.10	2.52	1.17	38.1	7.1	9	19.20	7.5
K290305		7.39	<0.005	0.68	6.90	18.9	1240	1.52	0.11	2.84	0.77	46.4	7.0	8	25.7	11.7
K290306		3.74	<0.005	0.80	7.00	19.3	1130	1.59	0.10	2.79	0.63	41.9	8.1	8	25.4	14.1
K290307		5.22	0.005	0.26	7.26	41.3	1250	1.71	0.10	2.86	0.25	49.0	7.4	7	31.4	11.9
K290308		4.12	0.047	1.12	7.10	347	1500	1.74	0.12	2.99	1.78	53.6	8.3	8	26.6	13.4
K290309		2.08	1.625	39.9	5.23	3190	680	1.38	0.42	3.53	68.4	41.8	5.3	5	10.75	118.5
K290310		5.04	<0.005	0.05	0.05	2.4	20	0.06	0.02	20.2	0.13	1.14	0.7	1	0.17	1.9
K290311		4.60	0.066	5.11	6.98	89.5	660	1.78	0.19	2.35	23.3	48.4	6.3	8	22.1	21.7
K290312		0.34	0.370	4.58	6.35	719	510	1.38	3.37	1.99	11.40	41.9	12.8	26	12.75	311
K290313		7.51	0.179	4.49	6.23	294	1010	1.43	0.36	1.93	10.45	40.0	5.6	7	18.20	20.4
K290314		3.74	1.485	28.3	6.02	1265	550	1.43	0.13	1.43	132.5	35.9	5.8	6	14.10	223
K290315		1.72	2.16	19.05	3.42	6360	130	1.87	1.69	5.05	41.0	20.5	3.6	4	11.10	69.7
K290316		0.34	0.844	12.25	6.40	1595	380	1.45	13.00	1.83	33.0	42.5	18.4	19	13.05	290
K290317		3.64	0.007	0.33	6.19	54.5	250	3.13	0.51	0.60	0.84	16.35	0.7	1	20.1	5.8
K290318		2.36	0.539	17.20	4.05	1085	250	1.57	2.43	5.30	220	31.4	4.9	3	15.60	117.0
K290319		1.87	0.009	0.48	7.26	346	1140	2.23	0.28	1.25	1.79	41.1	8.1	7	27.8	11.1
K290320		<0.02	0.010	0.43	7.79	331	1180	2.30	0.27	1.21	0.79	58.9	7.7	7	31.2	12.1
K290321		4.01	<0.005	0.23	6.10	20.5	1220	2.84	1.41	0.55	0.66	18.40	0.3	1	31.7	3.8
K290322		2.45	0.014	1.06	6.90	55.5	1090	2.02	0.19	1.87	6.43	47.9	7.9	5	22.0	17.3
K290323		8.25	0.772	10.40	5.86	2350	490	1.45	1.80	1.12	24.0	40.5	11.5	6	10.60	28.4
K290324		4.05	0.378	11.05	3.68	196.0	220	0.81	8.52	0.72	6.33	31.6	316	10	4.90	4.5
K290325		4.12	0.145	13.15	4.38	136.0	1900	1.01	2.22	1.44	15.10	98.2	105.5	10	4.56	16.7
K290326		6.90	0.040	1.94	4.93	42.2	770	1.01	1.70	1.69	2.19	62.4	16.0	13	4.54	2.6

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VANCOUVER BC V6B 1L8

Finalized Date: 31-AUG-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15123410

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
K290291		2.75	15.80	0.15	1.1	0.039	2.65	18.3	15.1	0.58	539	1.96	1.84	7.7	2.4	540
K290292		3.17	15.00	0.14	1.1	0.044	2.70	20.2	28.0	0.62	1060	1.53	0.41	7.6	2.4	560
K290293		2.68	15.60	0.14	1.2	0.043	2.60	17.6	16.3	0.60	660	1.99	1.66	7.8	2.3	560
K290294		2.84	16.45	0.16	1.2	0.052	2.69	20.0	19.0	0.64	689	3.01	1.23	8.5	2.5	560
K290295		4.64	14.60	0.15	0.8	0.198	3.16	22.9	15.8	0.78	4690	1.07	0.19	6.6	2.5	480
K290296		2.90	17.00	0.17	1.0	0.039	2.71	22.8	14.6	0.66	678	1.29	1.80	8.3	2.4	590
K290297		2.85	16.50	0.15	1.1	0.038	2.74	21.5	15.6	0.69	587	1.72	1.75	8.0	2.4	570
K290298		3.90	14.85	0.14	0.9	0.099	2.59	26.8	99.8	0.75	2200	1.73	0.05	7.3	2.4	520
K290299		4.80	16.50	0.14	0.9	0.059	3.06	28.6	44.7	0.66	2220	2.46	0.06	7.9	2.3	560
K290300		2.92	15.75	0.15	1.0	0.047	2.79	16.2	24.1	0.52	954	0.85	0.34	7.9	2.3	550
K290301		2.82	16.20	0.13	1.1	0.047	2.80	18.2	39.0	0.44	655	0.74	0.44	8.3	1.9	590
K290302		5.00	12.45	0.12	0.7	0.289	2.56	25.8	15.2	1.15	4930	1.98	0.05	5.5	2.4	400
K290303		0.46	0.26	0.19	<0.1	0.005	0.03	0.7	1.4	12.80	198	0.22	0.01	0.2	1.4	190
K290304		2.78	15.55	0.19	1.1	0.043	2.92	18.4	15.2	0.65	698	1.34	1.44	8.0	2.4	570
K290305		2.66	14.85	0.19	1.0	0.066	2.60	24.6	39.5	0.98	952	1.35	0.21	7.6	2.3	540
K290306		2.75	15.70	0.14	1.1	0.047	2.65	21.2	45.1	0.92	878	1.38	0.30	8.2	2.4	580
K290307		2.61	15.85	0.17	1.2	0.053	2.88	26.3	33.0	0.98	774	1.31	0.05	8.2	2.2	560
K290308		2.82	15.10	0.15	1.3	0.100	2.94	29.1	18.3	1.05	2060	2.24	0.03	8.6	2.6	590
K290309		5.95	12.00	0.13	0.7	0.414	2.42	23.5	10.5	1.36	6650	4.24	0.02	5.4	2.0	390
K290310		0.47	0.20	0.19	<0.1	0.006	0.02	0.5	1.0	13.10	211	0.06	<0.01	0.1	1.6	160
K290311		3.94	15.50	0.16	0.9	0.086	3.41	25.4	12.8	0.92	2390	2.37	0.03	7.4	2.2	550
K290312		4.95	15.30	0.12	1.0	0.304	2.88	22.1	25.5	0.74	1880	14.25	0.14	6.1	14.7	520
K290313		3.30	14.65	0.13	0.9	0.109	2.71	20.7	27.2	0.72	1680	6.56	0.02	6.8	2.2	500
K290314		5.01	15.75	0.12	0.8	0.748	2.70	18.4	11.2	0.66	3630	9.40	0.01	6.8	2.5	450
K290315		5.77	9.72	0.11	0.8	0.345	1.36	10.5	42.4	1.56	6150	84.8	0.02	6.5	2.4	160
K290316		6.50	14.95	0.13	1.0	0.780	2.83	22.2	19.6	0.75	1800	8.88	0.12	6.2	12.2	520
K290317		0.63	16.75	0.12	3.2	0.022	1.72	7.1	266	0.21	521	2.96	0.05	22.7	1.3	40
K290318		7.00	9.66	0.10	0.7	0.881	1.73	16.5	15.3	1.91	6220	7.76	0.02	5.2	1.3	310
K290319		2.90	16.85	0.13	1.0	0.083	2.38	20.3	121.0	0.62	1580	6.54	0.03	9.0	2.6	570
K290320		2.90	17.35	0.56	1.0	0.074	2.42	30.4	132.0	0.65	1540	8.76	0.03	9.2	2.5	590
K290321		0.58	18.05	0.12	2.8	0.077	1.84	8.0	212	0.21	631	5.18	0.02	21.1	0.3	50
K290322		3.36	16.15	0.17	1.1	0.134	2.74	23.2	34.7	0.70	2810	3.71	0.02	9.2	2.0	540
K290323		4.32	13.75	0.12	0.9	0.372	2.75	21.8	15.0	0.48	2290	7.92	0.03	6.5	2.7	390
K290324		12.25	11.80	0.12	0.5	0.182	1.42	17.0	11.3	0.40	927	7.59	0.08	3.4	6.8	340
K290325		6.08	10.85	0.19	0.6	0.422	2.06	54.0	8.5	0.33	2410	3.13	0.02	5.0	2.6	380
K290326		2.66	12.05	0.13	0.8	0.132	2.32	36.9	8.2	0.41	1360	2.97	0.04	5.1	1.8	410

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 31-AUG-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15123410

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
K290291		78.6	95.2	0.003	0.02	4.62	9.6	1	1.5	322	0.63	<0.05	10.3	0.243	1.12	3.2
K290292		1130	105.0	0.002	0.14	17.15	10.0	1	1.8	114.0	0.64	<0.05	11.0	0.238	1.47	3.1
K290293		39.2	94.6	0.002	0.01	5.20	9.4	1	1.5	295	0.66	<0.05	9.6	0.235	1.17	3.5
K290294		173.0	105.0	0.002	0.05	10.35	10.3	1	1.6	230	0.72	<0.05	11.1	0.246	1.21	4.9
K290295		9980	159.5	0.003	1.34	33.1	9.8	1	2.3	87.6	0.52	0.07	10.9	0.205	2.73	6.1
K290296		46.6	115.0	0.002	0.02	5.07	11.4	1	2.0	315	0.63	<0.05	11.9	0.258	1.19	4.3
K290297		106.5	106.5	0.003	0.04	4.36	10.3	1	1.5	312	0.63	<0.05	11.2	0.249	1.12	5.5
K290298		779	126.5	0.003	0.43	22.8	10.0	1	1.7	101.0	0.58	<0.05	12.1	0.218	1.87	3.7
K290299		171.5	152.5	0.003	0.23	10.55	11.1	1	2.3	67.2	0.61	<0.05	13.4	0.237	2.38	3.6
K290300		155.0	99.8	0.003	0.07	17.75	9.7	1	1.6	140.0	0.63	<0.05	9.4	0.245	1.51	4.1
K290301		16.2	112.0	0.003	0.02	20.4	10.7	<1	1.6	123.0	0.68	<0.05	10.9	0.258	1.34	2.8
K290302		3890	143.5	0.003	1.82	20.3	8.6	1	2.6	107.0	0.43	0.08	9.6	0.167	2.28	5.5
K290303		11.6	1.6	<0.002	<0.01	0.15	0.2	<1	<0.2	51.8	<0.05	<0.05	0.2	<0.005	<0.02	0.7
K290304		69.2	107.0	0.003	0.04	5.34	9.7	1	1.6	278	0.65	<0.05	10.0	0.245	1.51	3.7
K290305		156.5	106.5	0.003	0.14	9.80	10.0	1	1.6	128.5	0.60	<0.05	12.7	0.238	1.72	6.2
K290306		128.0	94.9	0.002	0.13	9.72	10.4	<1	2.1	146.5	0.68	<0.05	11.1	0.249	1.65	6.2
K290307		19.7	133.5	0.003	0.20	10.90	11.2	1	1.6	132.0	0.66	<0.05	13.2	0.245	2.10	5.8
K290308		139.0	174.5	0.002	0.46	15.65	12.1	1	1.9	90.2	0.73	<0.05	13.5	0.253	2.89	8.4
K290309		>10000	152.0	0.003	2.20	46.9	7.9	1	2.7	43.5	0.44	<0.05	9.7	0.166	2.47	9.9
K290310		15.2	1.2	0.003	0.01	0.15	0.2	<1	<0.2	50.4	<0.05	<0.05	<0.2	<0.005	<0.02	0.7
K290311		1980	181.5	0.003	0.90	12.30	10.2	1	2.2	82.8	0.60	<0.05	12.0	0.243	3.64	5.7
K290312		483	143.0	0.005	2.65	27.2	9.2	1	5.6	110.5	0.50	0.31	9.8	0.200	2.52	4.9
K290313		1190	136.5	0.003	1.15	25.8	9.3	1	2.6	81.4	0.51	<0.05	9.7	0.212	2.66	4.7
K290314		4120	152.0	0.003	2.91	81.6	9.2	<1	5.8	29.8	0.51	<0.05	10.7	0.199	2.77	4.1
K290315		2260	93.6	0.008	3.15	137.0	4.5	1	4.3	156.0	0.58	<0.05	8.4	0.081	1.71	18.2
K290316		1275	157.0	0.004	4.59	63.5	9.6	2	7.6	96.9	0.50	1.20	11.0	0.201	2.61	5.2
K290317		64.5	129.5	0.002	0.09	16.70	2.9	<1	3.4	73.4	2.41	<0.05	21.0	0.032	1.46	16.0
K290318		4250	116.0	<0.002	5.95	40.3	5.7	1	4.7	209	0.37	<0.05	7.5	0.127	2.16	4.9
K290319		72.5	137.0	0.002	0.32	25.9	11.1	1	2.1	108.5	0.64	<0.05	11.8	0.246	2.48	7.3
K290320		54.2	152.5	0.003	0.31	26.7	11.1	1	2.1	108.0	0.67	<0.05	14.8	0.250	2.52	7.8
K290321		60.2	131.0	<0.002	0.07	21.8	3.0	<1	3.1	84.5	2.51	<0.05	22.0	0.032	1.50	13.5
K290322		298	137.5	0.002	0.41	13.60	9.7	1	3.2	115.0	0.76	<0.05	12.3	0.228	2.77	5.8
K290323		1405	166.0	0.004	2.82	42.8	8.2	1	3.1	31.1	0.52	0.41	10.9	0.188	2.84	7.1
K290324		353	89.6	0.002	>10.0	14.50	7.4	2	4.4	40.3	0.28	4.41	6.0	0.103	1.34	6.0
K290325		1760	125.0	0.004	4.83	16.60	6.5	1	3.3	50.8	0.34	0.76	8.1	0.138	1.73	19.6
K290326		158.5	139.5	<0.002	1.47	4.79	6.3	1	1.9	45.4	0.39	0.64	9.3	0.156	1.92	2.8

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 31-AUG-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15123410

Sample Description	Method Analyte Units LOR	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Pb-OG62 Pb % 0.001	Zn-OG62 Zn % 0.001
K290291		67	1.7	14.2	57	30.9		
K290292		67	3.0	15.7	1540	31.3		
K290293		64	2.4	15.1	75	33.0		
K290294		67	2.3	16.9	243	33.7		
K290295		59	3.8	14.6	3600	24.6		
K290296		71	1.9	17.7	60	29.9		
K290297		68	1.7	16.3	119	29.9		
K290298		61	5.3	16.6	1840	26.7		
K290299		66	9.5	15.4	219	27.3		
K290300		69	5.2	14.6	258	28.9		
K290301		70	3.5	13.2	53	31.3		
K290302		52	2.8	13.8	3980	21.0		
K290303		2	0.1	0.9	20	<0.5		
K290304		67	1.5	14.6	113	31.7		
K290305		64	4.2	15.9	89	30.0		
K290306		68	4.1	15.6	76	31.9		
K290307		67	4.4	17.4	54	34.3		
K290308		74	6.6	17.4	157	33.3		
K290309		51	3.2	10.8	4280	19.4	1.230	
K290310		2	0.1	0.8	18	<0.5		
K290311		66	7.7	14.1	1550	26.1		
K290312		66	5.5	11.1	862	29.9		
K290313		60	3.4	10.0	715	25.5		
K290314		55	6.3	6.1	8390	24.6		
K290315		30	4.2	16.3	2660	20.2		
K290316		62	6.0	11.3	2360	28.2		
K290317		2	2.7	13.8	77	68.9		
K290318		35	8.5	8.6	>10000	18.7		1.485
K290319		69	5.2	15.1	149	28.8		
K290320		69	5.3	15.5	93	29.4		
K290321		3	1.9	13.3	76	51.8		
K290322		62	3.7	12.4	471	31.0		
K290323		54	4.2	9.7	1570	23.7		
K290324		77	4.2	7.7	414	14.2		
K290325		51	7.5	8.4	1060	17.3		
K290326		61	6.4	7.9	161	19.7		

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: Klaza

Finalized Date: 31-AUG-2015
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH15123410

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	ME-MS61	ME-OG62	Pb-OG62
Zn-OG62			

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C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 29-AUG-2015
Account: ROCKHA

CERTIFICATE WH15123412

Project: Klaza

P.O. No.: BATCH 125

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 17-AUG-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21d	Sample logging - ClientBarCode Dup
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
BAG-06	Double Bagging Coarse Rejects
SPL-21d	Split sample - duplicate
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31d	Pulverize Split - duplicate

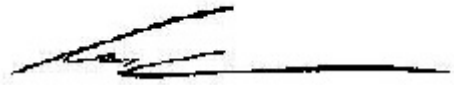
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Pb-OG62	Ore Grade Pb - Four Acid	VARIABLE
Zn-OG62	Ore Grade Zn - Four Acid	VARIABLE
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.

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VANCOUVER BC V6B 1L8

Finalized Date: 29-AUG-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15123412

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
K290327		2.56	0.072	3.95	3.92	148.5	450	1.13	2.90	0.51	4.18	97.1	48.3	5	16.40	3.0
K290328		4.78	<0.005	0.27	4.43	12.0	950	1.06	0.63	3.11	0.13	44.6	7.6	10	10.65	2.7
K290329		7.75	0.005	0.22	4.88	10.5	1470	1.00	0.46	0.74	0.10	38.1	8.1	12	6.97	2.0
K290330		6.40	0.007	1.43	6.40	13.8	1540	1.63	1.26	1.88	1.19	49.4	9.1	8	10.70	1.8
K290331		5.61	0.010	0.89	6.32	17.3	2030	1.63	0.83	2.33	0.66	55.3	8.9	9	7.36	3.3
K290332		4.43	0.012	0.66	6.16	16.8	2370	1.66	0.46	3.49	0.46	42.6	10.5	7	8.01	2.4
K290333		3.44	0.010	0.30	6.72	17.2	2720	1.56	0.32	3.28	0.10	47.4	8.6	7	5.96	2.2
K290334		0.34	0.878	11.70	6.41	1560	860	1.54	11.85	1.78	33.7	51.2	18.2	17	14.65	276
K290335		4.53	0.029	5.98	6.80	53.2	1280	1.59	0.56	1.74	67.9	81.5	15.7	8	8.94	39.6
K290336		2.29	0.241	21.9	5.99	172.0	1210	1.40	0.25	1.94	337	50.3	5.7	6	7.50	156.0
K290337		5.15	<0.005	0.14	0.12	1.7	60	0.07	0.06	19.20	2.17	1.76	0.7	1	0.19	2.9
K290338		9.16	0.029	2.05	7.21	49.9	1800	1.54	0.61	1.86	10.20	53.8	7.7	10	10.80	5.7
K290339		5.90	0.064	7.03	6.69	39.7	1790	1.18	0.52	1.44	35.2	66.0	7.5	9	7.36	24.2
K290340		4.43	0.126	6.29	5.29	117.5	660	0.97	2.49	1.24	12.80	132.5	39.1	10	4.25	6.2
K290341		5.04	<0.005	0.06	0.08	0.5	60	0.07	0.03	20.5	0.17	1.88	0.8	1	0.16	2.7
K290342		3.76	0.040	2.39	6.27	33.9	1150	1.26	0.93	1.80	20.2	164.5	10.5	10	4.85	9.3
K290343		4.38	0.407	3.29	5.76	58.1	730	1.06	1.01	2.01	19.45	205	22.6	8	5.61	9.9
K290344		12.71	0.037	2.41	6.17	34.2	1560	1.50	0.44	1.84	19.40	100.5	5.7	10	7.55	9.8
K290345		11.55	0.020	1.77	6.49	28.1	1440	1.45	0.25	2.21	13.15	78.5	5.7	10	6.36	4.9
K290346		6.47	0.010	0.34	6.30	35.1	1140	1.28	0.22	2.20	1.95	65.0	4.0	11	6.11	1.8
K290347		3.34	0.013	0.41	6.15	41.2	1090	1.24	0.22	2.14	2.46	64.9	4.5	9	6.26	2.8
K290348		1.20	0.095	31.0	4.69	104.0	250	0.98	0.77	1.76	71.6	42.9	4.6	8	4.23	11.4
K290349		8.06	0.023	0.60	4.74	37.6	1060	1.09	0.32	2.18	2.28	62.2	9.7	11	4.65	1.8
K290350		5.66	0.017	1.40	5.69	42.1	1010	1.31	0.40	2.24	10.50	143.0	30.3	11	5.72	8.0
K290351		2.66	0.012	1.69	5.93	17.3	910	1.51	0.36	1.89	18.45	132.0	13.3	12	5.96	7.4
K290352		5.41	0.067	4.96	4.59	44.5	1090	1.18	0.80	1.18	59.0	79.9	20.1	13	6.35	32.1
K290353		<0.02	0.065	4.57	4.51	44.2	1250	1.19	0.81	1.15	54.2	82.5	20.6	15	6.26	28.7
K290354		5.76	0.008	1.91	5.44	7.7	1390	1.15	0.26	1.51	17.10	37.6	4.8	12	6.07	8.8
K290355		3.04	<0.005	0.14	7.00	9.8	2120	1.47	0.09	2.31	0.39	43.0	6.4	8	23.6	8.6
K290356		2.44	0.027	4.48	6.22	39.0	1770	1.46	0.74	3.65	49.5	48.8	5.9	6	22.2	38.6
K290357		0.34	0.353	4.54	6.79	724	390	1.38	3.17	2.07	10.85	50.7	12.2	25	13.85	313
K290358		2.54	<0.005	0.25	7.38	5.5	2480	1.47	0.07	2.50	1.47	53.4	7.2	10	18.80	7.0
K290359		5.11	0.015	2.72	7.06	29.0	2040	1.41	0.35	2.03	20.4	53.1	6.5	9	25.7	25.9
K290360		3.11	0.019	1.66	6.51	36.7	1290	1.57	0.37	3.14	12.55	46.9	7.1	5	41.6	10.9
K290361		8.39	0.015	0.50	6.74	33.6	2400	1.39	0.14	2.51	1.82	40.2	6.6	9	20.6	3.7
K290362		1.77	0.019	0.78	6.70	58.5	1650	1.26	0.08	2.92	1.48	49.3	4.6	7	28.2	2.9

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 29-AUG-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15123412

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
K290327		5.68	11.90	0.20	0.4	0.144	1.62	57.7	17.5	0.27	755	15.70	0.03	2.3	3.7	180
K290328		2.15	15.60	0.11	0.5	0.044	1.72	26.1	32.2	0.21	776	0.31	0.02	3.0	1.4	230
K290329		2.53	12.40	0.11	0.7	0.028	1.63	21.3	37.5	0.28	784	0.46	0.03	5.3	1.5	380
K290330		3.74	14.80	0.12	1.0	0.073	2.31	24.4	30.7	0.41	1540	1.35	0.04	7.9	1.9	550
K290331		4.11	14.85	0.12	1.1	0.067	2.69	27.8	22.2	0.41	1690	1.45	0.05	7.8	2.4	510
K290332		4.00	14.20	0.14	1.0	0.059	2.64	20.7	22.4	0.41	1860	6.26	0.03	7.5	1.7	470
K290333		5.88	16.35	0.14	1.1	0.056	2.49	23.6	28.4	0.56	1560	3.46	0.06	8.2	1.5	600
K290334		6.42	15.35	0.14	1.0	0.805	2.75	26.4	19.9	0.75	1740	8.51	0.11	6.6	12.0	510
K290335		5.01	15.40	0.15	1.2	0.148	3.12	45.7	17.3	0.61	2360	4.56	0.04	7.8	2.0	560
K290336		5.30	13.75	0.12	0.8	0.109	2.81	27.1	12.6	0.87	2580	4.64	0.02	6.5	1.2	410
K290337		0.48	0.34	0.19	<0.1	0.005	0.04	0.9	1.3	12.40	212	0.15	<0.01	0.2	1.4	190
K290338		4.62	16.95	0.14	1.1	0.100	3.04	26.9	48.6	0.60	2210	5.16	0.03	8.3	1.8	630
K290339		4.13	13.80	0.13	1.0	0.148	3.20	38.4	8.1	0.67	2590	1.25	0.03	6.8	1.7	520
K290340		6.21	14.95	0.16	0.7	0.300	2.23	78.5	6.0	0.60	2190	0.56	0.10	4.7	5.7	420
K290341		0.49	0.27	0.17	<0.1	<0.005	0.03	1.0	1.1	13.20	211	0.16	<0.01	0.2	1.6	180
K290342		3.20	13.20	0.21	1.0	0.195	3.08	104.5	5.3	0.59	2240	0.43	0.04	6.8	1.9	470
K290343		4.20	14.80	0.19	0.9	0.206	2.55	124.0	8.3	0.72	2560	1.36	0.08	6.0	4.8	550
K290344		3.49	14.00	0.15	0.8	0.266	3.04	62.6	7.4	0.64	2370	0.53	0.03	5.9	1.7	450
K290345		3.81	14.55	0.14	0.8	0.186	3.24	46.3	7.1	0.81	2700	0.56	0.03	6.3	2.1	500
K290346		3.67	13.75	0.14	0.9	0.140	3.11	37.7	5.3	0.81	2670	0.32	0.03	6.0	1.8	480
K290347		3.65	13.65	0.13	0.8	0.137	3.05	37.9	5.2	0.83	2720	1.24	0.03	6.0	1.7	480
K290348		3.67	10.50	0.14	0.6	0.159	2.30	22.5	10.5	0.58	1800	0.42	0.03	4.3	1.9	340
K290349		2.79	11.55	0.12	0.6	0.218	2.33	37.0	5.6	0.65	2220	0.53	0.03	4.3	1.6	340
K290350		3.62	14.85	0.17	1.1	0.406	2.71	85.3	6.3	0.83	2250	0.48	0.05	5.5	2.8	470
K290351		3.06	14.15	0.18	0.9	0.438	2.97	79.7	5.9	0.74	1880	0.28	0.04	6.4	2.5	520
K290352		3.04	11.15	0.13	0.7	0.271	2.16	45.5	7.7	0.53	1670	1.71	0.02	4.6	2.4	380
K290353		3.01	10.85	0.13	0.7	0.273	2.11	46.4	7.6	0.53	1660	1.87	0.02	4.5	2.3	370
K290354		2.54	12.70	0.15	0.8	0.083	2.52	20.2	24.1	0.63	1560	1.67	0.03	4.5	1.4	380
K290355		2.67	15.90	0.16	1.1	0.045	3.01	20.5	31.5	0.57	550	0.53	1.54	8.1	2.1	580
K290356		3.26	14.25	0.13	1.0	0.120	2.97	25.0	33.0	0.95	2100	1.37	0.19	6.2	7.8	500
K290357		4.89	15.40	0.13	1.1	0.293	2.90	27.2	25.3	0.78	1860	14.55	0.15	6.2	16.3	520
K290358		3.04	16.55	0.12	1.2	0.033	2.83	25.7	20.1	0.74	725	0.71	2.10	8.1	3.7	610
K290359		4.17	16.30	0.12	1.1	0.112	3.43	25.8	49.8	0.81	1690	1.17	0.53	8.7	2.3	590
K290360		3.15	15.40	0.12	1.1	0.136	2.41	22.7	52.7	0.80	1660	0.76	0.43	7.6	2.2	560
K290361		2.72	15.75	0.11	1.1	0.075	3.01	19.3	57.8	0.75	705	1.02	1.76	8.1	2.4	580
K290362		2.81	15.85	0.11	1.0	0.049	3.21	24.7	22.4	0.84	4730	0.83	0.53	7.5	2.3	550

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 29-AUG-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15123412

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
K290327		236	103.5	0.005	4.84	13.15	4.6	1	3.0	38.8	0.19	1.37	4.7	0.073	1.80	6.7
K290328		16.7	99.6	<0.002	0.28	8.97	4.5	1	1.0	151.5	0.25	0.12	5.6	0.096	1.56	2.8
K290329		8.5	93.6	<0.002	0.32	13.30	7.0	1	1.4	63.7	0.40	0.18	8.5	0.161	1.42	2.0
K290330		78.6	103.5	<0.002	0.61	10.20	8.9	1	2.3	64.6	0.61	0.77	10.0	0.237	2.14	2.3
K290331		46.5	112.0	<0.002	0.70	6.00	8.2	1	2.6	72.3	0.66	0.47	9.1	0.229	2.37	2.7
K290332		31.2	113.0	0.002	0.49	7.29	8.7	1	2.2	104.0	0.61	0.23	9.0	0.217	2.30	3.1
K290333		12.3	94.1	<0.002	0.31	7.82	9.8	1	2.0	131.0	0.66	0.12	10.6	0.235	1.83	3.2
K290334		1265	167.5	0.003	4.54	65.6	9.6	2	8.0	97.5	0.56	1.12	11.3	0.200	2.62	5.4
K290335		1055	159.5	<0.002	1.47	9.40	9.9	1	2.4	47.5	0.78	0.18	13.5	0.213	3.06	2.3
K290336		3420	160.0	<0.002	2.86	17.05	7.1	1	2.6	50.7	0.50	0.08	9.7	0.189	2.74	2.5
K290337		22.0	2.4	0.002	0.02	0.22	0.2	1	<0.2	43.7	<0.05	<0.05	0.2	<0.005	0.04	0.5
K290338		375	138.0	<0.002	0.77	9.48	10.4	1	2.7	70.6	0.67	0.30	11.8	0.261	3.12	3.3
K290339		2330	183.0	0.002	0.95	10.30	8.4	1	2.5	34.7	0.56	0.24	11.9	0.207	3.02	3.6
K290340		738	132.5	<0.002	4.64	5.15	9.8	2	3.2	56.6	0.43	1.77	10.3	0.152	1.96	2.9
K290341		9.9	1.9	0.003	0.01	0.15	0.2	1	<0.2	48.6	<0.05	<0.05	<0.2	<0.005	0.02	0.7
K290342		803	190.0	<0.002	1.90	4.81	8.1	1	2.7	37.1	0.58	0.58	12.2	0.194	2.82	3.7
K290343		651	153.5	<0.002	2.48	7.95	7.7	2	3.5	50.2	0.49	0.65	12.2	0.172	2.33	4.0
K290344		753	189.5	<0.002	0.99	4.75	9.3	1	3.0	45.8	0.47	0.23	11.4	0.181	3.00	3.9
K290345		657	208	<0.002	0.89	4.41	9.4	1	3.0	42.2	0.50	0.11	11.9	0.193	3.07	3.4
K290346		58.7	200	<0.002	0.92	3.15	8.5	1	2.7	36.3	0.48	0.05	12.2	0.185	3.05	5.1
K290347		84.9	196.0	0.002	0.83	3.31	8.6	1	2.6	39.9	0.48	0.05	12.0	0.182	2.86	4.3
K290348		>10000	150.0	0.002	2.68	34.1	6.5	1	2.7	51.4	0.35	0.13	8.1	0.128	2.19	4.0
K290349		94.8	146.0	<0.002	0.76	2.25	6.3	1	2.5	32.8	0.33	0.16	8.0	0.133	2.06	3.2
K290350		417	171.5	<0.002	1.23	3.47	8.4	1	3.2	45.3	0.44	0.18	11.4	0.170	2.50	4.3
K290351		747	189.5	0.002	0.71	3.66	8.5	1	2.9	41.8	0.47	0.15	10.2	0.193	2.55	3.8
K290352		1670	136.5	<0.002	1.25	7.66	5.8	1	2.5	35.8	0.36	0.34	9.3	0.136	1.93	3.4
K290353		1615	133.5	<0.002	1.25	7.34	5.6	1	2.4	35.5	0.34	0.36	9.0	0.131	1.84	3.4
K290354		759	142.0	0.002	0.21	4.69	6.7	1	1.5	40.8	0.40	0.10	9.7	0.146	2.29	4.0
K290355		25.7	120.5	<0.002	0.03	3.33	10.1	1	1.5	277	0.66	<0.05	11.1	0.248	1.49	4.5
K290356		1650	163.5	<0.002	0.61	6.67	8.6	1	1.8	178.0	0.50	0.06	11.0	0.203	2.47	5.4
K290357		500	171.0	0.005	2.70	30.2	8.8	1	5.7	109.5	0.51	0.32	11.8	0.204	2.44	5.2
K290358		104.5	123.0	<0.002	0.02	2.53	10.6	1	1.7	344	0.65	<0.05	13.8	0.263	1.33	4.1
K290359		1630	178.0	<0.002	0.31	8.45	11.5	1	2.7	173.5	0.64	<0.05	12.6	0.250	2.65	4.9
K290360		725	118.0	<0.002	0.35	7.35	9.8	1	1.9	299	0.60	<0.05	12.2	0.233	2.01	6.1
K290361		113.5	128.5	<0.002	0.33	3.71	9.7	1	1.6	315	0.64	<0.05	11.5	0.241	1.70	3.9
K290362		89.1	151.5	<0.002	0.70	6.38	9.6	1	1.7	173.0	0.61	<0.05	13.7	0.236	2.71	4.4

***** See Appendix Page for comments regarding this certificate *****

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 29-AUG-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15123412

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Pb-OG62	Zn-OG62
	Analyte	V	W	Y	Zn	Zr	Pb	Zn
	Units	ppm	ppm	ppm	ppm	ppm	%	%
	LOR	1	0.1	0.1	2	0.5	0.001	0.001
K290327		95	4.9	5.6	290	11.6		
K290328		86	2.3	7.1	34	14.0		
K290329		69	2.3	9.4	42	16.6		
K290330		62	4.4	9.9	117	25.4		
K290331		60	3.3	9.3	94	27.0		
K290332		61	3.5	11.3	79	26.3		
K290333		74	6.0	12.3	67	30.2		
K290334		61	6.2	11.8	2290	29.9		
K290335		57	4.4	10.7	4580	29.1		
K290336		43	4.2	7.2	>10000	21.6		2.41
K290337		3	0.1	0.8	146	0.5		
K290338		73	4.1	11.9	756	29.9		
K290339		56	3.6	12.0	2380	26.5		
K290340		91	3.7	9.6	862	19.3		
K290341		3	0.1	0.9	23	<0.5		
K290342		50	4.3	16.1	1270	25.7		
K290343		68	5.8	14.8	1280	22.0		
K290344		60	4.6	13.1	1240	20.6		
K290345		63	4.4	15.5	865	22.5		
K290346		56	4.0	14.2	167	21.2		
K290347		56	4.0	13.7	200	21.0		
K290348		40	5.1	8.2	4610	15.0	0.989	
K290349		45	3.2	9.4	175	15.9		
K290350		56	4.7	11.9	737	21.9		
K290351		51	9.0	12.4	1260	22.1		
K290352		46	4.3	8.6	3850	17.6		
K290353		45	4.1	8.5	3590	17.9		
K290354		48	1.6	9.4	1130	18.7		
K290355		67	1.1	13.7	60	30.6		
K290356		57	2.3	15.6	3230	27.7		
K290357		66	5.6	12.2	908	31.6		
K290358		72	1.7	17.5	150	32.7		
K290359		70	4.9	14.9	1440	29.5		
K290360		64	3.6	15.5	869	30.4		
K290361		67	2.3	14.1	155	29.9		
K290362		65	2.9	15.2	231	27.9		

***** See Appendix Page for comments regarding this certificate *****

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VANCOUVER BC V6B 1L8

Project: Klaza

Finalized Date: 29-AUG-2015
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH15123412

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	ME-MS61	ME-OG62	Pb-OG62
Zn-OG62			

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Finalized Date: 1-SEP-2015
Account: ROCKHA

CERTIFICATE WH15123413

Project: Klaza

P.O. No.: BATCH 127

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 17-AUG-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21d	Sample logging - ClientBarCode Dup
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
BAG-06	Double Bagging Coarse Rejects
SPL-21d	Split sample - duplicate
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31d	Pulverize Split - duplicate

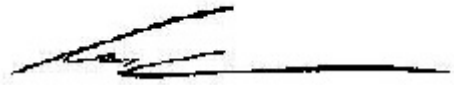
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Pb-OG62	Ore Grade Pb - Four Acid	VARIABLE
Zn-OG62	Ore Grade Zn - Four Acid	VARIABLE
Au-AA24	Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 1-SEP-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15123413

Sample Description	Method	WEI-21	Au-AA24	Au-GRA22	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs
	Units	kg	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.05	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05
K290363		7.07	0.015		0.68	6.87	26.9	1950	1.57	0.10	2.62	0.78	55.6	7.5	14	23.0
K290364		3.05	<0.005		0.60	7.00	8.6	2140	1.45	0.07	2.27	8.41	48.4	5.4	10	16.95
K290365		2.19	0.014		0.62	7.08	39.3	1220	1.70	0.11	2.34	1.67	50.4	6.7	10	22.3
K290366		2.23	0.019		2.85	6.64	41.1	1480	1.14	0.26	0.96	43.5	47.2	7.8	9	10.35
K290367		0.34	0.905		12.55	6.71	1630	190	1.41	13.05	1.90	34.2	49.3	19.1	19	14.75
K290368		3.36	0.011		2.13	7.90	31.7	1830	2.03	0.21	1.48	7.90	56.2	7.1	16	20.7
K290369		2.92	1.415		14.90	6.49	245	300	1.28	0.78	0.48	193.5	44.7	6.2	7	13.20
K290370		6.10	0.276		5.03	7.21	105.5	720	1.56	0.31	1.49	56.8	49.7	6.5	9	23.0
K290371		2.45	>10.0	9.76	43.7	5.66	687	290	1.11	2.47	0.41	540	25.7	5.4	6	12.35
K290372		5.07	<0.005		0.08	0.09	0.7	30	<0.05	0.02	20.9	0.95	1.26	0.6	1	0.23
K290373		10.39	0.011		1.17	7.25	10.1	2260	1.46	0.39	2.48	7.48	48.8	7.3	17	13.25
K290374		2.15	0.005		0.63	7.01	15.2	2030	1.35	0.37	1.90	3.93	48.8	6.3	9	16.65
K290375		1.69	0.141		31.6	6.47	80.3	700	1.23	4.55	0.86	130.5	43.9	7.6	9	12.65
K290376		8.68	<0.005		0.45	7.27	10.5	2080	1.55	0.10	2.57	2.39	52.4	7.0	11	15.30
K290377		4.94	<0.005		0.32	7.26	8.2	2060	1.49	0.10	2.63	1.64	50.9	6.9	12	15.10
K290378		1.84	0.108		5.94	6.15	111.5	760	1.40	0.11	3.00	50.2	42.7	6.5	8	18.95
K290379		2.06	0.009		0.70	6.93	23.8	1380	1.52	0.07	2.17	3.80	40.5	6.6	9	20.1
K290380		1.63	<0.005		0.34	6.93	17.5	2370	1.45	0.12	2.71	0.43	44.8	6.5	11	21.5
K290381		1.33	0.883		71.7	6.67	207	490	1.53	69.3	1.77	35.7	46.9	7.6	9	20.4
K290382		5.05	<0.005		0.16	0.06	0.2	20	<0.05	1.18	21.0	0.14	1.08	0.6	1	0.17
K290383		4.12	<0.005		0.35	7.05	8.4	2310	1.45	0.24	2.61	1.93	45.8	6.0	11	17.75
K290384		1.07	0.499		9.97	6.96	60.8	1860	1.30	0.27	2.23	21.2	50.6	6.9	9	18.90
K290385		3.02	<0.005		0.15	7.05	10.6	2220	1.45	0.08	2.67	0.15	43.3	6.3	11	14.65
K290386		2.25	0.079		2.83	7.30	55.2	1080	1.49	0.54	1.74	7.12	54.6	9.1	9	19.35
K290387		8.03	<0.005		0.12	7.20	4.3	2210	1.43	0.07	2.60	0.17	46.9	6.2	13	12.15
K290388		3.44	0.025		6.53	7.09	8.8	2050	1.47	0.13	1.86	25.9	52.2	6.6	10	19.25
K290389		<0.02	0.029		7.42	6.94	9.1	2100	1.48	0.15	1.85	30.0	49.0	6.9	13	19.05
K290390		4.24	0.009		1.80	7.25	11.3	2190	1.43	0.37	2.63	15.55	47.0	6.8	9	12.15
K290391		1.45	0.308		5.11	5.94	93.6	1470	1.28	5.24	2.54	30.1	38.1	7.1	9	14.65
K290392		5.81	<0.005		0.25	6.87	6.5	2190	1.41	0.23	2.31	1.16	47.6	7.4	14	11.70
K290393		0.34	0.406		4.55	6.74	752	540	1.35	3.44	2.08	10.80	46.9	12.2	25	13.00
K290394		1.30	0.173		2.05	6.09	218	1010	1.29	2.26	3.21	1.83	48.4	14.9	10	18.10
K290395		5.61	0.006		0.56	6.68	16.5	2330	1.46	0.13	2.61	4.79	42.9	6.7	9	16.35
K290396		11.71	<0.005		0.09	7.18	7.0	2130	1.45	0.09	2.38	0.13	46.6	6.9	8	15.55
K290397		10.35	<0.005		0.46	7.25	9.5	2280	1.48	0.12	2.41	6.50	45.8	6.0	13	14.25
K290398		1.98	0.005		0.72	7.17	28.4	1280	1.62	0.09	2.67	9.26	46.2	6.5	9	25.7

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 1-SEP-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15123413

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni
	Units	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	LOR	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2
K290363		3.4	2.62	16.60	0.12	1.2	0.048	3.07	28.0	43.9	0.77	845	1.58	1.50	8.2	3.0
K290364		5.0	2.75	16.00	0.13	1.2	0.053	2.75	23.9	21.5	0.70	639	1.11	2.04	8.0	2.8
K290365		2.2	3.40	16.25	0.12	1.1	0.207	3.34	24.9	20.1	0.80	2820	1.99	0.06	8.4	2.4
K290366		18.5	4.26	16.35	0.11	0.9	0.827	2.85	26.5	28.2	0.69	3350	1.30	0.11	5.9	2.4
K290367		283	6.45	15.95	0.12	1.1	0.825	2.85	24.4	19.5	0.77	1800	9.03	0.13	6.7	12.5
K290368		11.7	3.43	17.20	0.12	1.2	0.076	3.31	28.5	195.0	0.60	1450	1.31	0.29	8.2	2.6
K290369		127.5	6.47	15.35	0.12	0.9	0.878	2.96	23.6	9.6	0.58	3440	1.71	0.03	6.7	2.2
K290370		65.7	5.13	15.25	0.10	1.0	0.239	3.10	26.4	12.1	0.85	3130	0.95	0.03	7.1	2.2
K290371		270	6.73	13.95	0.09	0.8	3.32	2.65	12.4	7.1	0.55	3020	0.65	0.03	5.9	2.1
K290372		2.3	0.48	0.23	0.06	<0.1	0.008	0.04	0.6	0.9	13.15	207	0.15	<0.01	0.2	1.5
K290373		27.4	3.27	16.90	0.12	1.2	0.123	2.93	22.7	13.4	0.84	827	1.53	2.02	9.3	3.2
K290374		6.2	3.93	15.40	0.12	1.1	0.147	3.28	24.0	25.8	0.78	1950	0.89	0.47	7.4	2.3
K290375		107.0	6.28	13.25	0.11	0.9	1.195	2.87	23.2	20.9	0.70	2390	0.80	0.04	6.0	2.0
K290376		7.6	3.07	16.55	0.12	1.2	0.058	2.91	24.7	17.7	0.73	956	0.96	1.74	8.8	2.3
K290377		8.9	3.08	16.10	0.11	1.1	0.055	2.82	23.8	17.0	0.73	910	1.00	1.82	8.8	2.3
K290378		23.4	5.23	13.20	0.10	0.9	0.084	2.70	21.5	13.4	0.89	2420	1.49	0.05	6.2	2.2
K290379		8.4	3.65	16.00	0.11	1.2	0.050	2.99	18.7	60.6	0.63	1540	0.79	0.26	8.7	2.2
K290380		8.1	2.95	16.00	0.13	1.1	0.047	2.80	20.9	18.9	0.58	889	0.86	1.70	8.6	2.4
K290381		1360	4.69	13.95	0.11	1.0	0.491	2.74	24.6	25.4	0.80	1610	0.83	0.17	6.7	2.3
K290382		3.7	0.45	0.18	0.08	<0.1	<0.005	0.02	0.5	0.9	13.20	197	0.10	0.01	0.1	1.4
K290383		7.6	2.89	16.35	0.12	1.1	0.048	2.78	21.4	14.2	0.70	651	0.91	2.06	8.4	2.2
K290384		47.7	3.88	14.85	0.11	1.0	0.091	2.77	25.6	15.1	0.72	1310	0.92	1.13	7.2	3.1
K290385		2.6	2.86	16.05	0.10	1.2	0.034	2.63	20.5	10.4	0.74	589	0.91	1.93	8.4	2.7
K290386		119.5	3.39	15.55	0.11	1.1	0.129	3.02	28.7	43.6	0.68	1670	1.38	0.06	7.2	2.7
K290387		5.0	2.77	15.75	0.12	1.2	0.045	2.71	22.6	12.5	0.65	558	1.00	1.96	8.4	2.4
K290388		34.8	4.38	15.20	0.12	1.2	0.111	3.17	25.9	16.9	0.74	1840	0.78	0.51	7.0	2.3
K290389		41.9	4.30	15.25	0.11	1.2	0.116	3.17	23.7	17.3	0.72	1840	0.96	0.51	7.1	2.2
K290390		90.7	3.37	15.70	0.11	1.3	0.105	3.08	22.3	10.8	0.68	1070	0.76	1.32	7.9	2.3
K290391		132.5	3.69	13.30	0.10	1.0	0.546	2.81	18.3	23.2	0.49	1610	0.83	0.32	6.4	1.9
K290392		10.4	2.73	15.60	0.12	1.2	0.045	2.82	23.4	9.5	0.69	559	2.14	2.10	8.3	9.2
K290393		326	5.19	15.10	0.10	1.1	0.293	3.02	25.4	23.2	0.78	1980	13.60	0.15	6.5	14.2
K290394		30.2	4.84	12.85	0.09	0.8	0.122	3.11	26.7	11.6	1.03	2000	1.69	0.22	6.5	2.5
K290395		9.6	2.90	15.10	0.10	1.1	0.043	2.98	21.5	9.4	0.71	837	0.68	1.64	8.2	2.2
K290396		7.9	2.91	15.50	0.12	1.2	0.045	2.76	23.7	15.0	0.73	609	0.86	1.79	8.6	2.2
K290397		7.0	2.82	16.15	0.12	1.2	0.078	2.87	23.3	17.4	0.65	565	1.16	1.90	8.4	2.6
K290398		16.6	2.89	16.55	0.12	1.3	0.070	3.25	23.5	26.4	0.87	1280	1.04	0.22	8.6	2.3

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Finalized Date: 1-SEP-2015
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Project: Klaza

CERTIFICATE OF ANALYSIS WH15123413

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
	LOR	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02
K290363		590	238	135.5	<0.002	0.28	4.36	10.4	1	1.7	278	0.65	<0.05	14.0	0.245	2.06
K290364		580	202	123.5	<0.002	0.08	3.03	9.9	1	1.5	329	0.63	<0.05	13.8	0.244	1.33
K290365		560	176.0	161.0	<0.002	0.46	7.40	10.2	1	2.9	101.5	0.65	<0.05	13.5	0.245	3.03
K290366		540	1190	177.0	<0.002	0.85	9.33	8.6	<1	2.9	56.4	0.49	0.05	12.7	0.190	2.15
K290367		550	1355	181.5	<0.002	4.73	67.8	9.3	2	8.2	99.4	0.56	1.39	12.3	0.210	2.56
K290368		600	1030	161.5	<0.002	0.38	13.85	10.3	1	1.9	166.5	0.68	<0.05	15.4	0.251	2.31
K290369		550	4690	201	<0.002	3.86	20.7	8.5	1	3.1	25.9	0.56	0.08	12.5	0.215	2.99
K290370		540	2560	197.0	<0.002	1.38	15.30	9.3	1	2.6	84.9	0.57	<0.05	14.7	0.222	3.13
K290371		450	>10000	165.0	<0.002	4.87	47.1	7.3	1	6.0	13.7	0.50	<0.05	9.8	0.190	2.65
K290372		180	28.1	2.0	<0.002	<0.01	0.16	0.2	1	<0.2	47.9	<0.05	<0.05	<0.2	<0.005	0.02
K290373		630	195.0	125.0	<0.002	0.12	3.62	11.7	1	1.7	315	0.70	<0.05	14.1	0.266	1.46
K290374		560	225	173.5	<0.002	0.26	5.50	9.5	1	2.1	133.5	0.64	0.05	13.4	0.232	2.59
K290375		480	>10000	190.5	<0.002	1.92	23.0	8.0	1	2.8	26.0	0.50	0.12	12.2	0.193	2.74
K290376		600	136.0	137.5	<0.002	0.10	3.24	10.8	1	1.7	288	0.67	<0.05	14.8	0.253	1.57
K290377		610	102.5	129.0	<0.002	0.07	3.05	10.6	1	1.8	297	0.69	<0.05	14.0	0.253	1.46
K290378		460	3240	169.0	<0.002	2.35	19.65	8.2	1	2.2	67.4	0.52	<0.05	12.1	0.191	2.79
K290379		570	243	124.0	<0.002	0.34	12.00	9.4	1	2.2	114.5	0.65	<0.05	12.4	0.244	2.18
K290380		580	32.6	115.0	<0.002	0.08	6.03	10.1	1	1.5	313	0.65	<0.05	13.3	0.249	1.50
K290381		500	>10000	172.5	<0.002	2.29	67.0	8.6	1	2.5	77.1	0.56	0.21	12.6	0.211	2.34
K290382		180	16.7	1.3	<0.002	<0.01	0.21	0.1	1	<0.2	45.7	<0.05	<0.05	<0.2	<0.005	<0.02
K290383		590	84.8	107.5	<0.002	0.03	4.13	9.6	1	1.6	332	0.70	<0.05	12.9	0.252	1.20
K290384		540	7190	141.0	<0.002	0.86	13.25	9.4	1	1.8	214	0.61	<0.05	13.8	0.229	1.65
K290385		590	31.0	106.5	<0.002	0.02	3.35	10.1	1	1.4	309	0.65	<0.05	13.3	0.249	1.11
K290386		560	509	158.5	<0.002	0.41	27.9	9.2	1	2.6	78.0	0.60	<0.05	14.0	0.234	2.38
K290387		580	28.5	109.5	<0.002	0.02	2.58	9.5	1	1.6	321	0.67	<0.05	13.8	0.239	1.12
K290388		540	2810	157.0	<0.002	0.26	9.30	9.5	1	2.2	130.5	0.61	<0.05	13.8	0.223	2.19
K290389		530	3280	147.5	<0.002	0.29	9.57	9.5	1	2.2	131.0	0.60	<0.05	13.4	0.220	2.18
K290390		590	245	136.0	<0.002	0.23	4.83	9.8	1	1.8	253	0.66	<0.05	13.6	0.245	1.70
K290391		470	803	129.5	<0.002	1.18	14.05	7.7	1	1.6	118.5	0.55	0.07	11.4	0.198	1.94
K290392		560	62.9	96.0	0.003	0.05	2.02	8.7	1	1.6	338	0.74	<0.05	12.3	0.238	1.28
K290393		540	491	140.0	0.004	2.78	28.2	8.7	1	5.7	109.0	0.57	0.33	10.7	0.212	2.46
K290394		450	378	155.0	<0.002	2.90	11.25	7.7	1	4.6	128.5	0.57	0.28	10.9	0.193	2.57
K290395		570	307	112.5	<0.002	0.13	3.28	9.3	1	1.5	295	0.72	<0.05	11.7	0.243	1.65
K290396		580	17.5	105.0	<0.002	0.04	2.17	9.7	1	1.6	300	0.78	<0.05	11.8	0.257	1.27
K290397		570	121.0	108.0	<0.002	0.07	2.58	9.7	1	1.6	339	0.74	<0.05	12.7	0.244	1.31
K290398		580	192.5	123.5	<0.002	0.18	6.62	9.6	1	1.8	136.5	0.76	<0.05	12.7	0.248	2.63

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
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www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 1-SEP-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15123413

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Pb-OG62	Zn-OG62
	Analyte	U	V	W	Y	Zn	Zr	Pb	Zn
	Units	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	LOR	0.1	1	0.1	0.1	2	0.5	0.001	0.001
K290363		4.6	70	2.1	15.5	99	32.1		
K290364		4.0	65	1.1	16.7	535	32.3		
K290365		6.7	68	2.6	14.9	174	28.4		
K290366		3.3	78	2.5	8.6	3050	23.9		
K290367		5.4	63	6.4	12.4	2500	31.0		
K290368		3.9	69	4.5	15.2	608	31.8		
K290369		3.2	56	6.5	7.6	>10000	23.9		1.130
K290370		5.1	60	6.7	11.6	3810	27.0		
K290371		2.8	53	7.7	5.9	>10000	21.4	1.350	3.16
K290372		0.7	2	0.1	0.8	81	<0.5		
K290373		5.2	73	1.3	18.1	590	32.0		
K290374		4.4	63	2.9	15.2	381	29.5		
K290375		4.0	53	4.1	7.6	9080	23.4	1.055	
K290376		5.2	67	1.5	17.4	204	32.1		
K290377		4.6	70	1.6	17.2	184	30.1		
K290378		6.5	53	3.7	11.6	3490	23.8		
K290379		5.9	64	3.2	14.2	310	30.5		
K290380		4.6	67	1.7	15.7	76	29.8		
K290381		5.0	58	3.3	12.8	2600	25.5	1.080	
K290382		0.7	2	0.1	0.7	22	<0.5		
K290383		3.7	69	1.1	15.3	163	30.6		
K290384		5.0	63	2.4	14.4	1490	27.4		
K290385		4.7	68	1.8	15.6	50	32.0		
K290386		4.1	66	3.1	13.4	631	30.2		
K290387		4.3	65	1.1	15.7	46	33.2		
K290388		4.9	62	4.2	15.5	1990	31.5		
K290389		4.8	62	4.1	15.3	2280	31.5		
K290390		5.1	66	2.2	16.1	1960	35.6		
K290391		4.0	54	2.8	12.9	2980	28.2		
K290392		3.8	64	0.9	14.5	113	29.8		
K290393		5.1	67	5.6	11.2	896	30.3		
K290394		3.9	52	2.6	12.7	184	22.8		
K290395		4.2	65	1.7	14.4	377	28.6		
K290396		4.5	69	1.5	15.3	46	31.2		
K290397		4.1	65	1.7	15.2	445	30.4		
K290398		6.5	66	3.7	15.0	651	30.9		

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: Klaza

Finalized Date: 1-SEP-2015
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH15123413

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	Au-GRA22	ME-MS61	ME-OG62
Pb-OG62	Zn-OG62		

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 31-AUG-2015
Account: ROCKHA

CERTIFICATE WH15123449

Project: Klaza

P.O. No.: BATCH 128

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 17-AUG-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21d	Sample logging - ClientBarCode Dup
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
BAG-06	Double Bagging Coarse Rejects
SPL-21d	Split sample - duplicate
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31d	Pulverize Split - duplicate

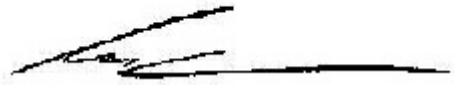
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Pb-OG62	Ore Grade Pb - Four Acid	VARIABLE
Zn-OG62	Ore Grade Zn - Four Acid	VARIABLE
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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VANCOUVER BC V6B 1L8

Finalized Date: 31-AUG-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15123449

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
K290399		2.08	4.00	35.7	5.91	7870	1040	1.35	47.5	1.17	381	32.3	5.7	11	13.75	616
K290400		5.33	0.034	1.60	7.02	74.1	1450	1.42	0.84	1.91	21.8	45.5	5.6	9	15.90	14.8
K290901		4.20	0.568	7.81	7.05	42.5	1040	1.39	5.07	1.12	139.5	55.0	5.6	8	10.90	69.5
K290902		5.14	<0.005	0.04	0.09	2.4	30	0.07	0.07	21.3	0.47	1.54	0.6	<1	0.20	4.0
K290903		6.38	0.073	3.93	7.27	26.2	2360	1.52	2.81	2.05	32.9	42.1	6.1	9	13.90	43.7
K290904		6.87	0.094	2.84	7.75	30.2	2440	1.28	2.33	1.29	15.80	49.4	6.0	8	15.45	77.0
K290905		2.30	<0.005	0.07	7.47	6.1	2610	1.62	0.10	2.40	0.25	46.7	7.0	8	12.30	2.9
K290906		5.31	0.009	2.58	8.13	16.9	2760	1.66	0.76	1.00	12.45	51.7	6.2	10	13.80	22.5
K290907		8.49	0.008	0.26	8.00	16.5	2290	1.60	0.23	1.43	1.47	48.5	5.6	12	11.40	9.5
K290908		2.09	0.005	0.39	6.93	19.9	1630	1.56	0.14	2.46	1.88	41.5	3.3	9	15.20	3.6
K290909		1.05	0.008	0.83	6.82	23.4	1670	1.65	0.18	2.36	4.91	41.1	4.7	11	13.90	7.2
K290910		1.24	0.089	12.95	6.90	32.9	2770	1.72	1.49	1.12	85.2	50.2	3.7	8	15.90	64.4
K290911		3.73	0.020	5.15	7.74	29.7	3860	2.02	0.34	0.32	33.8	58.9	4.9	11	19.65	32.4
K290912		6.94	0.076	2.38	7.87	370	1830	1.75	0.31	1.35	25.0	53.9	4.2	8	14.95	15.7
K290913		0.34	0.326	4.45	6.64	752	520	1.52	3.53	2.02	10.90	47.5	12.9	25	13.40	319
K290914		3.50	<0.005	0.39	7.79	16.4	2230	1.56	0.15	1.42	6.89	47.0	4.2	11	12.75	6.1
K290915		6.47	0.009	1.19	6.96	12.9	2270	1.46	0.51	1.74	18.20	61.8	6.6	6	8.46	18.9
K290916		3.32	0.014	0.64	7.41	65.9	2530	2.09	0.24	0.57	5.11	32.2	8.0	11	12.05	11.4
K290917		7.43	<0.005	0.13	7.95	31.9	1860	1.86	0.13	0.41	3.22	52.7	4.7	9	11.55	3.6
K290918		<0.02	<0.005	0.14	8.12	31.9	1890	1.91	0.14	0.43	3.09	51.8	5.5	10	11.55	3.5
K290919		5.39	<0.005	0.12	7.81	17.3	2010	1.48	0.13	0.60	1.79	49.0	4.5	10	11.50	3.8
K290920		10.01	<0.005	0.07	7.50	7.6	2440	1.79	0.11	2.60	0.45	46.8	5.0	10	10.95	2.7
K290921		7.40	<0.005	0.12	7.85	11.6	1940	1.54	0.14	1.04	1.17	55.0	4.7	8	17.95	4.1
K290922		5.76	0.025	0.51	6.28	42.1	2760	1.55	0.26	3.40	4.18	40.6	2.5	8	8.16	2.4
K290923		5.10	<0.005	0.01	0.06	0.4	40	0.05	0.02	20.7	0.08	1.23	0.6	<1	0.12	2.1
K290924		3.37	0.013	1.30	7.11	48.7	1200	1.33	0.54	1.95	13.40	53.3	5.5	8	16.15	20.1
K290925		3.19	0.180	7.10	7.21	315	1480	1.69	2.69	1.29	35.6	51.6	7.9	10	17.70	82.4
K290926		4.29	<0.005	0.30	7.42	10.0	1970	1.41	0.15	1.60	1.82	43.0	5.4	17	19.35	9.2
K290927		4.26	0.005	0.33	6.34	11.4	1830	1.54	0.16	2.94	2.78	42.2	4.5	8	15.05	4.0
K290928		0.34	0.892	12.25	6.56	1620	1200	1.44	12.35	1.81	32.1	48.3	17.2	18	13.35	291
K290929		2.83	<0.005	0.16	6.67	10.4	1600	1.53	0.21	3.16	0.27	40.2	5.4	12	11.50	1.7
K290930		4.42	0.057	9.37	4.96	23.4	1560	1.08	0.39	3.34	84.8	47.4	26.2	8	15.70	67.1
K290931		3.38	0.006	0.42	6.64	20.8	1510	1.58	0.28	2.71	1.52	39.5	6.0	8	14.20	2.9
K290932		7.05	0.012	0.38	6.65	24.8	1730	1.46	0.37	2.62	0.80	39.6	9.8	12	12.45	3.6
K290933		5.04	0.017	1.32	7.24	44.0	1070	1.60	0.27	2.11	10.85	46.8	4.9	8	21.3	9.9
K290934		1.18	1.945	48.0	5.25	259	2390	1.19	3.43	2.39	235	38.0	4.2	9	7.78	239

***** See Appendix Page for comments regarding this certificate *****

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VANCOUVER BC V6B 1L8

Finalized Date: 31-AUG-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15123449

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
K290399		7.60	13.55	0.08	0.8	15.75	2.75	17.3	11.3	0.57	1680	1.60	0.02	6.1	2.1	400
K290400		4.13	15.45	0.10	1.0	0.299	3.45	23.7	13.5	0.76	1690	1.09	0.22	7.8	2.3	610
K290901		4.53	16.60	0.11	0.9	2.90	3.40	33.7	17.2	0.79	1860	1.24	0.04	7.2	2.3	560
K290902		0.49	0.24	0.16	<0.1	0.014	0.04	0.8	1.0	13.45	215	0.11	<0.01	0.2	1.5	170
K290903		2.81	16.10	0.14	1.0	0.297	3.51	21.8	16.3	0.76	1420	1.25	0.04	7.0	2.3	570
K290904		3.19	16.65	0.12	1.0	0.216	3.52	25.3	22.0	0.56	1050	0.75	0.12	8.4	2.3	640
K290905		3.21	16.55	0.11	1.2	0.048	3.05	22.5	10.4	0.82	765	0.62	1.94	8.9	2.3	620
K290906		3.83	18.15	0.12	1.4	0.175	3.50	30.5	34.5	0.35	1120	2.44	0.61	9.5	2.5	690
K290907		3.47	17.60	0.11	1.2	0.113	3.13	25.0	26.4	0.51	1120	1.67	0.29	8.2	2.4	640
K290908		3.11	16.40	0.11	1.1	0.079	3.01	21.2	39.8	0.53	1300	1.37	0.61	8.3	2.1	600
K290909		3.18	16.45	0.11	1.1	0.101	3.08	20.7	31.3	0.48	1330	1.54	0.57	8.5	2.0	590
K290910		5.97	15.25	0.10	1.0	0.219	3.06	28.1	21.7	0.54	3010	1.25	0.03	7.0	1.9	510
K290911		6.50	17.35	0.11	1.0	0.148	3.47	37.2	24.8	0.30	3260	2.75	0.03	8.4	2.5	620
K290912		4.23	17.05	0.13	1.1	0.132	3.34	30.2	35.9	0.49	1770	1.87	0.28	8.5	2.1	620
K290913		5.08	15.70	0.09	1.1	0.308	3.02	25.9	27.2	0.76	1960	13.70	0.15	6.8	15.1	530
K290914		3.67	16.40	0.11	1.1	0.089	3.20	27.0	38.2	0.45	1340	2.03	0.46	8.5	2.2	620
K290915		3.02	17.00	0.13	0.9	0.458	3.28	38.2	16.1	0.47	1900	1.39	0.06	5.9	1.9	640
K290916		3.27	16.90	0.11	1.0	0.126	3.25	16.6	28.6	0.25	1240	2.36	0.04	6.5	3.0	600
K290917		2.77	17.90	0.11	1.1	0.053	3.00	30.8	49.2	0.22	609	1.79	0.05	7.9	2.7	630
K290918		2.87	18.25	0.12	1.1	0.057	3.07	30.6	45.1	0.23	655	1.99	0.05	8.0	3.0	650
K290919		2.62	17.55	0.12	1.2	0.048	3.17	28.1	33.1	0.20	731	1.74	0.09	8.9	3.2	650
K290920		3.00	17.10	0.13	1.2	0.048	3.04	24.2	17.6	0.69	551	1.30	1.83	8.5	2.6	610
K290921		2.90	16.60	0.14	1.3	0.059	3.03	33.3	39.4	0.40	815	1.72	0.13	8.9	2.0	640
K290922		3.22	12.60	0.12	0.9	0.094	2.87	23.8	16.2	1.11	3300	4.73	0.06	6.2	1.9	470
K290923		0.50	0.20	0.19	<0.1	<0.005	0.02	0.6	1.0	13.15	218	0.27	<0.01	0.1	1.5	180
K290924		3.53	15.60	0.14	1.2	0.195	3.11	28.9	18.4	0.71	2010	2.83	0.03	7.7	2.6	570
K290925		5.40	15.70	0.11	1.0	0.219	3.14	32.0	33.9	0.73	2220	3.50	0.03	7.3	2.1	530
K290926		3.08	16.80	0.11	1.3	0.059	2.80	21.3	55.4	0.47	906	1.69	0.41	8.8	2.3	610
K290927		2.58	16.45	0.14	1.2	0.062	2.84	21.9	24.9	0.56	790	1.29	0.99	8.2	1.7	530
K290928		6.56	14.60	0.09	1.1	0.785	2.91	26.3	18.8	0.77	1840	8.49	0.12	6.1	11.9	530
K290929		2.41	15.30	0.13	1.1	0.052	3.00	20.8	17.9	0.49	929	1.67	1.13	7.3	2.2	560
K290930		3.23	12.05	0.12	1.0	0.149	2.22	29.8	18.8	0.69	1800	6.11	0.05	4.4	3.2	320
K290931		2.55	15.10	0.12	1.2	0.078	3.23	19.9	20.9	0.66	1390	1.40	0.60	7.5	1.8	570
K290932		3.04	15.30	0.12	1.1	0.083	2.67	21.6	15.0	0.53	885	10.20	1.48	7.2	3.7	560
K290933		4.00	15.20	0.12	1.0	0.187	3.29	25.7	19.2	0.88	2670	2.68	0.05	7.4	2.1	580
K290934		5.70	11.60	0.09	0.8	1.175	2.47	20.9	9.3	0.81	3720	2.53	0.03	4.9	2.2	390

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

2103 Dollarton Hwy
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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 31-AUG-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15123449

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
K290399		2060	173.0	<0.002	7.91	44.0	8.2	1	7.0	46.0	0.52	0.06	9.5	0.189	2.90	4.1
K290400		859	164.5	<0.002	1.00	7.70	9.8	1	2.5	98.3	0.70	<0.05	12.4	0.249	3.09	4.9
K290901		2280	218	<0.002	1.16	9.52	10.0	1	3.1	43.6	0.61	0.07	14.3	0.217	3.56	5.3
K290902		10.7	2.2	<0.002	<0.01	0.13	0.2	<1	<0.2	47.0	<0.05	<0.05	<0.2	<0.005	0.03	0.7
K290903		1500	159.5	<0.002	0.47	18.95	9.3	1	2.4	85.4	0.62	<0.05	12.1	0.227	2.85	5.1
K290904		861	154.5	<0.002	0.46	17.70	10.0	1	2.6	94.0	0.72	0.05	13.2	0.255	2.37	3.7
K290905		23.9	106.5	<0.002	0.03	3.14	9.8	1	1.7	350	0.78	<0.05	11.7	0.272	1.42	4.0
K290906		634	160.0	<0.002	0.21	9.43	12.7	1	2.3	89.5	0.86	<0.05	14.3	0.268	2.13	4.0
K290907		28.7	129.5	<0.002	0.19	10.05	11.3	1	2.1	74.2	0.68	<0.05	13.0	0.252	1.86	3.3
K290908		80.4	103.5	<0.002	0.16	5.59	9.7	1	2.0	130.0	0.69	<0.05	10.4	0.256	1.96	3.8
K290909		231	110.5	<0.002	0.23	6.21	9.6	1	2.3	116.5	0.71	<0.05	10.4	0.256	2.25	3.4
K290910		5030	151.5	<0.002	0.62	13.55	9.6	1	3.4	43.9	0.59	0.06	12.1	0.220	2.74	5.3
K290911		2170	175.5	<0.002	0.34	14.75	11.8	1	4.3	34.4	0.66	<0.05	14.0	0.250	3.19	6.9
K290912		972	159.5	<0.002	0.45	9.90	11.2	1	2.8	76.4	0.72	0.06	13.5	0.257	2.34	4.7
K290913		486	145.5	0.003	2.71	28.4	9.5	1	5.7	109.5	0.57	0.28	11.4	0.209	2.62	5.4
K290914		126.5	119.5	<0.002	0.11	6.96	10.5	1	2.1	93.2	0.71	<0.05	13.0	0.256	1.75	3.2
K290915		378	136.5	<0.002	0.17	5.06	10.5	1	2.4	52.0	0.50	<0.05	12.5	0.214	2.18	3.7
K290916		345	140.5	<0.002	0.17	14.35	11.0	1	1.8	33.3	0.57	0.12	14.8	0.211	2.08	3.6
K290917		20.8	136.5	<0.002	0.08	19.25	11.9	1	1.7	44.2	0.68	<0.05	14.9	0.241	1.70	4.4
K290918		19.5	141.5	<0.002	0.09	18.70	12.1	1	1.7	41.7	0.67	<0.05	14.9	0.246	1.75	4.3
K290919		14.1	134.5	<0.002	0.04	15.30	11.6	1	1.9	58.4	0.76	<0.05	14.7	0.259	1.44	3.5
K290920		16.3	107.5	<0.002	0.03	2.23	10.4	1	1.7	309	0.72	<0.05	12.3	0.259	1.27	2.8
K290921		19.2	128.0	<0.002	0.05	16.05	11.3	1	2.0	70.2	0.78	<0.05	15.4	0.273	1.44	3.9
K290922		95.6	117.5	<0.002	0.22	15.00	8.5	1	2.1	59.6	0.52	0.06	12.0	0.185	2.10	6.0
K290923		1.6	1.1	<0.002	<0.01	0.11	0.1	<1	<0.2	46.6	<0.05	<0.05	<0.2	<0.005	<0.02	0.5
K290924		464	134.5	<0.002	0.53	12.10	10.0	1	2.2	57.8	0.70	<0.05	12.4	0.239	2.43	7.2
K290925		1920	167.5	<0.002	1.73	25.4	9.5	1	2.8	56.4	0.63	0.13	13.5	0.220	2.55	6.9
K290926		92.6	103.0	<0.002	0.04	15.50	10.3	1	2.0	144.0	0.78	<0.05	12.2	0.259	1.41	3.0
K290927		136.0	108.0	<0.002	0.09	4.23	9.7	1	1.9	157.5	0.76	<0.05	10.9	0.237	1.82	4.6
K290928		1300	164.5	<0.002	4.67	61.1	9.2	1	7.6	96.7	0.57	1.02	11.7	0.210	2.46	5.2
K290929		16.2	127.0	<0.002	0.13	3.53	8.8	<1	1.7	124.0	0.72	0.05	10.5	0.238	2.17	5.0
K290930		4130	123.5	0.003	1.10	6.99	6.5	1	2.0	79.6	0.52	0.07	11.3	0.117	1.76	10.4
K290931		114.5	126.5	<0.002	0.27	3.92	9.2	1	1.7	97.5	0.73	<0.05	11.0	0.235	2.33	6.1
K290932		73.7	107.0	0.003	0.35	3.57	9.2	<1	2.3	185.5	0.65	0.05	10.4	0.229	1.67	10.2
K290933		642	154.0	<0.002	0.58	6.81	10.6	<1	2.4	67.0	0.63	<0.05	12.1	0.249	3.04	6.7
K290934		>10000	136.5	<0.002	4.13	37.8	8.3	1	3.4	72.4	0.47	0.15	9.7	0.165	2.19	8.4

***** See Appendix Page for comments regarding this certificate *****

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 31-AUG-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15123449

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Pb-OG62	Zn-OG62
	Analyte	V	W	Y	Zn	Zr	Pb	Zn
	Units	ppm	ppm	ppm	ppm	ppm	%	%
	LOR	1	0.1	0.1	2	0.5	0.001	0.001
K290399		52	6.8	7.7	>10000	20.4		2.47
K290400		65	3.9	11.6	1640	25.0		
K290901		63	3.8	10.6	8590	23.2		
K290902		3	0.1	0.8	46	<0.5		
K290903		68	2.8	11.3	2120	24.8		
K290904		71	3.7	13.8	1100	27.2		
K290905		72	1.3	15.5	57	28.4		
K290906		78	2.8	16.5	1240	36.4		
K290907		73	2.6	13.5	192	29.5		
K290908		70	2.0	12.0	292	28.6		
K290909		70	2.3	11.9	533	28.8		
K290910		61	2.8	9.4	5010	24.7		
K290911		70	3.6	13.0	3160	27.1		
K290912		70	2.6	13.1	1730	29.6		
K290913		66	5.9	11.7	862	32.3		
K290914		68	3.2	13.0	562	29.6		
K290915		68	7.9	11.4	1240	24.5		
K290916		67	5.7	12.6	744	27.4		
K290917		76	4.1	13.9	453	30.2		
K290918		78	3.8	13.9	465	30.3		
K290919		67	5.5	13.8	233	30.8		
K290920		72	1.5	15.5	85	32.1		
K290921		71	5.1	15.6	172	31.7		
K290922		58	2.8	12.4	455	23.3		
K290923		2	0.1	0.8	16	<0.5		
K290924		68	5.4	13.4	1060	29.9		
K290925		64	5.7	11.0	2630	26.9		
K290926		71	3.5	14.4	193	33.9		
K290927		65	1.6	12.1	249	29.8		
K290928		62	5.7	11.6	2370	28.3		
K290929		67	1.6	11.1	80	28.3		
K290930		51	1.7	13.3	5390	22.0		
K290931		64	2.4	12.0	167	30.6		
K290932		75	1.6	11.8	109	26.5		
K290933		69	4.2	12.5	843	27.6		
K290934		54	4.4	7.9	>10000	19.8	1.930	1.565

***** See Appendix Page for comments regarding this certificate *****

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VANCOUVER BC V6B 1L8

Project: Klaza

Finalized Date: 31-AUG-2015
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH15123449

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	ME-MS61	ME-OG62	Pb-OG62
Zn-OG62			

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Finalized Date: 1-SEP-2015
Account: ROCKHA

CERTIFICATE WH15123452

Project: Klaza

P.O. No.: BATCH 129

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 17-AUG-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21d	Sample logging - ClientBarCode Dup
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
BAG-06	Double Bagging Coarse Rejects
SPL-21d	Split sample - duplicate
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31d	Pulverize Split - duplicate

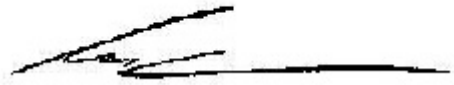
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Pb-OG62	Ore Grade Pb - Four Acid	VARIABLE
Zn-OG62	Ore Grade Zn - Four Acid	VARIABLE
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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CERTIFICATE OF ANALYSIS WH15123452

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
K290935		6.03	0.018	0.95	6.90	24.0	1680	1.48	0.32	3.66	6.31	45.6	8.5	16	18.25	10.8
K290936		2.58	0.076	2.14	7.07	25.6	2220	1.82	0.27	2.54	15.95	44.4	4.8	10	18.90	16.1
K290937		7.74	<0.005	0.14	7.02	8.0	2470	1.55	0.14	2.66	0.47	39.8	5.7	19	12.20	3.2
K290938		3.86	<0.005	0.21	6.73	17.5	1900	1.58	0.17	2.55	0.45	38.8	5.9	10	24.2	3.1
K290939		1.20	0.027	0.87	6.81	33.0	1660	1.61	0.27	3.18	2.68	44.7	6.1	8	33.5	9.2
K290940		3.46	0.015	0.44	6.79	23.6	2510	1.57	0.17	2.33	2.01	38.3	5.6	8	22.3	5.7
K290941		1.58	<0.005	0.29	6.97	18.4	2260	1.66	0.15	2.26	0.74	40.1	6.2	10	23.5	5.4
K290942		1.33	0.072	1.18	6.98	67.9	1610	1.88	0.24	1.88	5.59	43.1	5.1	11	21.8	7.2
K290943		5.12	0.017	0.59	7.09	31.2	2280	1.85	0.32	2.63	3.05	47.0	8.3	11	22.5	6.4
K290944		3.30	0.090	7.06	6.72	179.0	1540	4.02	3.74	1.46	25.4	35.7	13.0	6	24.8	79.2
K290945		5.09	<0.005	0.02	0.08	0.3	30	0.06	0.03	21.6	0.11	1.33	0.6	<1	0.23	1.4
K290946		14.36	0.005	0.10	7.11	8.7	860	4.11	0.31	0.48	0.23	19.40	0.1	1	28.2	1.1
K290947		13.24	<0.005	0.10	6.94	8.5	390	4.01	0.29	0.89	0.20	17.90	0.1	1	29.3	1.0
K290948		3.74	0.008	0.29	6.95	10.8	1480	4.48	0.57	1.03	0.25	15.30	0.2	2	28.6	1.1
K290949		5.10	0.021	1.22	7.26	31.0	1470	2.63	0.17	2.09	6.69	40.4	5.4	10	31.1	5.8
K290950		0.34	0.345	4.98	6.64	761	470	1.43	3.35	2.07	10.90	44.9	12.6	26	12.95	325
K290951		9.69	0.054	1.94	7.37	77.1	1690	1.85	0.15	0.96	16.75	50.8	6.1	7	26.1	15.6
K290952		3.71	0.008	0.72	6.77	16.1	2300	1.54	0.07	2.06	4.96	38.8	6.0	9	22.0	8.7
K290953		2.20	0.180	15.30	6.67	34.3	1620	1.54	0.19	2.34	130.5	43.2	5.3	8	21.7	130.5
K290954		4.96	<0.005	0.03	0.09	0.2	40	0.07	0.03	21.4	0.20	1.34	0.6	<1	0.24	1.8
K290955		9.41	0.010	1.09	6.90	17.4	1750	1.33	0.20	2.75	12.75	47.2	5.2	9	24.2	10.9
K290956		2.02	0.024	2.87	6.33	31.7	1430	1.72	0.17	2.45	25.9	36.0	4.8	7	40.9	22.0
K290957		4.13	<0.005	0.14	6.80	12.7	2240	1.39	0.12	2.23	0.28	42.2	5.7	9	18.10	1.9
K290958		5.89	0.010	0.27	6.88	16.4	2140	1.51	0.11	2.37	0.59	41.9	5.0	17	18.90	3.5
K290959		8.03	<0.005	0.22	6.87	13.3	2380	1.47	0.15	2.62	0.30	43.2	4.8	17	14.25	1.4
K290960		3.99	<0.005	0.15	6.99	7.7	2190	1.59	0.13	2.58	0.14	47.3	7.0	14	11.45	1.7
K290961		<0.02	<0.005	0.11	7.11	7.9	2190	1.61	0.10	2.60	0.12	50.8	8.1	19	11.60	1.7
K290962		4.84	0.006	0.32	6.65	21.8	1910	1.55	0.10	2.82	0.63	38.2	5.6	10	19.85	1.8
K290963		1.35	0.104	5.41	6.66	63.2	1210	1.63	0.15	2.83	58.2	42.4	4.7	15	18.10	36.3
K290964		0.35	0.887	12.35	6.76	1565	950	1.39	13.25	1.86	32.8	44.1	18.4	18	13.80	293
K290965		2.46	0.009	0.22	7.41	15.8	2260	1.73	0.11	2.47	0.27	45.8	5.4	12	18.25	3.0
K290966		1.56	0.015	1.35	7.00	22.2	1260	1.65	0.14	3.17	14.50	46.6	4.9	14	20.8	14.1
K290967		2.05	<0.005	0.17	7.45	10.6	1930	1.93	0.24	2.65	0.16	48.6	5.0	13	14.55	4.3
K290968		2.14	0.005	0.61	7.42	31.5	1290	2.02	0.14	2.05	3.41	48.0	6.3	12	29.0	3.7
K290969		1.63	0.482	98.0	4.26	183.5	150	1.42	4.33	2.38	630	28.6	8.4	8	13.45	288
K290970		2.97	0.011	1.65	7.59	28.0	990	1.76	0.14	1.32	3.48	50.3	5.4	12	23.6	6.2

***** See Appendix Page for comments regarding this certificate *****

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VANCOUVER BC V6B 1L8

Finalized Date: 1-SEP-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15123452

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
K290935		3.20	16.40	0.18	1.2	0.095	3.18	23.3	31.8	1.06	1430	3.07	0.74	8.6	2.5	590
K290936		3.80	15.10	0.12	1.2	0.106	3.24	22.5	24.9	0.77	1680	1.82	0.88	7.9	2.2	610
K290937		2.89	15.35	0.14	1.0	0.052	2.74	19.9	9.0	0.75	588	2.35	2.24	7.7	2.4	600
K290938		2.85	15.65	0.10	1.1	0.057	3.14	19.9	63.5	0.73	765	1.64	1.06	7.5	2.2	600
K290939		2.68	14.75	0.14	1.2	0.103	2.85	23.3	40.3	0.98	865	1.05	0.20	7.9	2.3	540
K290940		2.87	15.10	0.12	1.1	0.059	3.58	19.3	84.6	0.60	1030	1.20	0.92	7.3	2.0	570
K290941		2.84	15.70	0.14	1.1	0.039	3.65	20.2	80.0	0.59	891	1.53	0.98	7.9	2.1	580
K290942		4.90	15.00	0.12	1.1	0.396	3.77	22.8	12.4	0.75	6320	1.68	0.06	7.2	2.4	560
K290943		3.20	15.30	0.13	1.1	0.158	3.63	25.8	14.6	0.88	2160	2.43	0.28	7.4	2.1	590
K290944		4.09	17.10	0.11	1.5	0.793	2.98	18.5	29.7	0.68	5390	6.07	0.03	11.7	2.0	450
K290945		0.48	0.22	0.15	<0.1	0.005	0.03	0.7	1.0	13.70	220	0.07	0.01	0.1	1.6	210
K290946		0.52	19.45	0.13	3.4	0.036	3.16	9.1	122.5	0.17	310	0.71	0.05	26.6	0.2	30
K290947		0.62	18.95	0.13	3.3	0.035	3.38	8.1	93.9	0.20	585	0.27	0.05	25.4	0.2	30
K290948		0.67	18.85	0.13	3.2	0.028	3.23	6.7	103.5	0.22	524	0.70	0.06	25.0	0.2	40
K290949		4.34	16.00	0.12	1.2	0.189	3.60	19.7	18.0	0.82	3260	0.93	0.12	8.1	2.1	610
K290950		5.18	15.05	0.10	1.2	0.314	3.03	24.2	26.5	0.77	2010	14.20	0.15	6.0	14.4	550
K290951		7.04	15.85	0.11	1.0	0.103	3.16	30.0	22.0	0.83	4050	0.79	0.03	7.2	2.5	550
K290952		3.05	15.20	0.12	1.2	0.047	3.86	18.5	57.6	0.60	1530	0.63	0.45	7.5	2.1	560
K290953		4.49	13.55	0.11	1.0	0.297	3.11	23.2	13.9	0.96	2460	0.79	0.03	6.4	1.9	530
K290954		0.48	0.25	0.16	<0.1	<0.005	0.03	0.7	1.1	13.50	220	0.13	0.01	0.2	1.5	200
K290955		3.56	14.40	0.14	1.2	0.132	3.35	24.4	24.6	0.89	1900	0.75	0.54	7.3	2.0	600
K290956		2.59	15.05	0.13	1.2	0.157	2.53	18.2	39.5	0.71	1210	0.87	0.18	6.9	2.0	500
K290957		2.59	15.35	0.15	1.2	0.050	3.13	21.7	76.2	0.69	548	2.16	1.72	7.6	2.2	580
K290958		2.60	15.45	0.14	1.0	0.052	3.04	21.9	16.4	0.73	683	1.55	1.76	7.7	2.3	580
K290959		2.58	15.45	0.13	1.1	0.043	3.07	23.1	12.4	0.64	704	2.32	1.91	7.6	2.1	590
K290960		2.80	15.30	0.15	1.3	0.046	2.71	24.0	9.5	0.79	607	2.27	2.15	8.0	2.5	590
K290961		2.84	15.70	0.15	1.3	0.038	2.73	26.5	10.0	0.80	613	2.98	2.17	8.0	2.5	590
K290962		2.63	15.50	0.12	1.1	0.049	3.28	18.7	32.0	0.78	1630	2.77	1.24	7.6	2.3	580
K290963		3.87	14.50	0.11	0.9	0.158	3.33	22.6	10.0	0.84	5790	1.31	0.29	7.0	2.3	540
K290964		6.41	15.85	0.12	1.0	0.820	2.86	23.2	21.4	0.77	1740	9.36	0.13	6.5	13.0	540
K290965		2.77	17.40	0.11	1.0	0.049	3.24	22.9	33.8	0.68	742	1.14	1.75	8.4	2.6	630
K290966		2.65	16.50	0.10	1.0	0.071	3.54	25.4	21.6	0.94	1710	1.92	0.14	7.4	2.2	550
K290967		2.65	17.45	0.12	1.1	0.060	3.55	25.5	38.3	0.55	598	2.14	1.19	7.5	2.8	550
K290968		3.92	17.65	0.12	1.5	0.107	2.85	23.8	69.2	0.79	2270	1.43	0.32	8.9	2.7	610
K290969		5.22	10.40	0.08	0.8	2.83	1.78	15.2	36.3	0.79	3300	2.43	0.03	4.4	4.0	280
K290970		2.98	16.90	0.13	1.3	0.068	2.57	26.5	140.0	0.57	1180	0.91	0.06	8.3	2.2	600

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 1-SEP-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15123452

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
K290935		317	141.0	<0.002	0.30	5.89	9.7	1	2.0	162.5	0.71	<0.05	12.1	0.241	2.53	8.8
K290936		1160	141.5	<0.002	0.34	5.82	10.7	<1	2.1	181.5	0.81	<0.05	11.6	0.255	2.53	5.3
K290937		28.4	92.1	<0.002	0.03	1.96	9.9	<1	1.5	353	0.69	<0.05	10.1	0.257	1.15	3.4
K290938		27.7	118.5	<0.002	0.12	4.58	9.4	<1	1.6	239	0.68	<0.05	10.0	0.255	1.75	3.6
K290939		220	113.0	<0.002	0.25	7.32	9.3	<1	1.6	173.5	0.75	<0.05	11.7	0.243	1.86	4.5
K290940		240	127.5	<0.002	0.18	5.04	9.1	<1	1.5	204	0.68	<0.05	10.4	0.250	1.99	3.5
K290941		101.0	136.0	<0.002	0.11	4.98	9.6	<1	1.7	206	0.70	<0.05	10.8	0.259	2.01	3.3
K290942		529	169.0	<0.002	0.65	6.82	9.8	<1	2.5	77.4	0.66	<0.05	11.3	0.238	3.17	5.1
K290943		232	151.5	<0.002	0.43	5.36	9.8	1	2.0	141.5	0.66	<0.05	11.4	0.251	2.72	4.9
K290944		1040	151.0	<0.002	1.61	30.6	8.5	1	3.3	80.4	1.13	<0.05	13.7	0.179	2.72	32.7
K290945		4.7	1.8	<0.002	<0.01	0.11	0.2	<1	<0.2	49.4	<0.05	<0.05	<0.2	<0.005	0.02	0.6
K290946		51.7	196.5	<0.002	0.03	3.54	3.0	<1	3.4	71.7	3.00	<0.05	24.1	0.036	1.90	6.5
K290947		46.1	211	<0.002	0.02	4.34	3.0	1	2.9	87.0	2.90	<0.05	22.8	0.035	2.01	5.1
K290948		69.9	197.0	<0.002	0.05	6.34	3.1	<1	3.0	118.0	2.89	<0.05	21.1	0.037	2.05	13.4
K290949		486	133.0	<0.002	0.54	8.30	9.6	<1	2.5	114.0	0.74	<0.05	10.6	0.255	2.96	13.1
K290950		497	138.0	0.004	2.78	27.3	9.1	1	5.5	109.5	0.56	0.32	10.7	0.211	2.43	5.1
K290951		693	173.0	<0.002	1.61	9.77	10.2	<1	3.2	63.8	0.65	<0.05	13.5	0.240	2.88	7.8
K290952		358	141.0	<0.002	0.18	5.47	9.0	1	1.8	175.5	0.72	<0.05	10.5	0.242	2.55	4.1
K290953		7770	158.0	<0.002	1.16	10.30	8.9	1	2.2	92.8	0.60	<0.05	11.8	0.213	2.83	5.3
K290954		11.5	1.8	<0.002	<0.01	0.11	0.2	<1	<0.2	49.4	<0.05	<0.05	<0.2	<0.005	0.02	0.6
K290955		488	146.5	<0.002	0.29	6.99	9.4	<1	1.7	213	0.70	<0.05	12.1	0.244	2.58	3.9
K290956		1420	103.0	<0.002	0.32	7.44	8.5	<1	1.8	232	0.68	<0.05	10.8	0.223	2.08	4.8
K290957		18.5	116.5	<0.002	0.11	2.82	8.9	<1	1.6	339	0.75	<0.05	10.6	0.239	1.54	3.3
K290958		33.3	114.5	<0.002	0.15	2.83	9.1	<1	1.6	325	0.71	<0.05	10.1	0.243	1.78	3.7
K290959		20.4	114.0	<0.002	0.12	2.85	9.2	<1	1.6	298	0.71	<0.05	10.6	0.247	1.72	4.1
K290960		16.7	103.5	<0.002	0.06	2.13	10.1	<1	1.4	347	0.78	<0.05	11.7	0.254	1.30	4.1
K290961		16.5	106.0	<0.002	0.08	2.12	10.3	1	1.4	348	0.76	<0.05	12.7	0.256	1.34	4.2
K290962		31.3	118.0	<0.002	0.25	4.03	9.2	1	1.5	253	0.71	<0.05	9.7	0.249	2.16	3.9
K290963		1870	148.0	<0.002	0.82	10.25	9.5	<1	2.2	105.5	0.60	<0.05	10.3	0.237	2.99	4.5
K290964		1325	160.0	0.002	4.71	65.8	9.7	2	8.1	97.4	0.57	1.11	11.7	0.209	2.80	5.3
K290965		20.1	127.0	<0.002	0.13	4.85	11.2	1	1.7	290	0.71	<0.05	11.7	0.262	2.05	3.9
K290966		571	157.0	<0.002	0.44	6.64	9.5	1	2.1	120.5	0.67	<0.05	11.3	0.226	3.57	5.1
K290967		18.4	146.0	<0.002	0.08	4.78	9.1	1	2.0	227	0.72	<0.05	13.6	0.227	2.37	4.4
K290968		186.5	127.0	<0.002	0.19	19.65	14.8	1	2.5	122.0	0.80	<0.05	13.9	0.290	2.11	8.9
K290969		>10000	106.0	<0.002	4.84	78.1	6.4	1	3.8	55.2	0.37	0.07	7.5	0.134	2.27	15.2
K290970		572	112.0	<0.002	0.22	23.1	11.7	1	1.9	95.3	0.71	<0.05	15.1	0.255	1.76	4.1

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 1-SEP-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15123452

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Pb-OG62	Zn-OG62
	Analyte	V	W	Y	Zn	Zr	Pb	Zn
	Units	ppm	ppm	ppm	ppm	ppm	%	%
	LOR	1	0.1	0.1	2	0.5	0.001	0.001
K290935		72	2.4	15.1	448	32.3		
K290936		74	3.1	13.4	1200	31.0		
K290937		72	1.6	14.8	70	27.2		
K290938		70	2.3	13.2	79	29.7		
K290939		64	3.1	14.8	153	29.7		
K290940		67	2.2	12.0	193	27.6		
K290941		70	2.5	12.5	104	29.4		
K290942		66	3.3	11.3	453	27.5		
K290943		69	2.6	13.0	273	27.2		
K290944		51	4.2	12.3	1920	31.8		
K290945		2	0.1	0.8	19	<0.5		
K290946		1	1.8	14.3	55	60.8		
K290947		1	1.9	15.7	59	57.3		
K290948		2	2.9	11.5	54	55.8		
K290949		70	4.6	12.2	573	29.8		
K290950		68	5.4	11.2	890	29.5		
K290951		64	5.4	9.6	1240	25.9		
K290952		65	2.6	12.4	404	30.3		
K290953		57	2.6	12.0	9110	25.5		
K290954		3	0.1	0.9	28	0.6		
K290955		66	2.2	14.0	822	29.2		
K290956		63	2.8	11.2	1720	28.1		
K290957		65	1.3	12.8	70	29.4		
K290958		67	1.4	13.2	84	24.7		
K290959		70	1.2	13.2	66	27.1		
K290960		70	0.9	15.9	47	30.8		
K290961		70	1.0	16.4	47	31.1		
K290962		68	1.6	13.2	100	26.5		
K290963		65	3.9	13.0	3640	23.7		
K290964		63	6.5	11.5	2420	28.9		
K290965		73	1.7	14.3	66	26.2		
K290966		69	2.4	13.5	983	25.7		
K290967		69	1.5	13.1	54	27.1		
K290968		87	3.8	18.8	303	34.3		
K290969		41	4.3	9.9	>10000	24.0	2.97	4.07
K290970		69	2.2	14.5	317	33.6		

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: Klaza

Finalized Date: 1-SEP-2015
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH15123452

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	ME-MS61	ME-OG62	Pb-OG62
Zn-OG62			

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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 5-SEP-2015
Account: ROCKHA

CERTIFICATE WH15123453

Project: KLAZA

P.O. No.: BATCH 130

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 17-AUG-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
CRU-32	Fine Crushing 90% <2mm
SPL-21	Split sample - riffle splitter
PUL-35a	Pulv 1 kg split to 95%<106 um
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate
PUL-35ad	Pulv 1 kg split to 95%<106 um DUP
BAG-01	Bulk Master for Storage
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
BAG-06	Double Bagging Coarse Rejects
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test

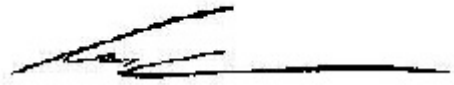
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Zn-OG62	Ore Grade Zn - Four Acid	VARIABLE
As-OG62	Ore Grade As - Four Acid	VARIABLE
Au-AA24	Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
ME-MS61	48 element four acid ICP-MS	
Ag-OG62	Ore Grade Ag - Four Acid	VARIABLE
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Cu-OG62	Ore Grade Cu - Four Acid	VARIABLE
Pb-OG62	Ore Grade Pb - Four Acid	VARIABLE

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.

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VANCOUVER BC V6B 1L8

Finalized Date: 5-SEP-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15123453

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-AA24 Au ppm 0.005	Au-GRA22 Au ppm 0.05	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05
R499418		1.27	3.37		26.2	5.22	>10000	240	1.36	3.17	1.90	87.4	32.8	10.0	11	12.50
R499419		1.13	8.98		>100	0.88	8310	90	0.18	331	0.99	8.33	10.10	200	9	0.81
R499420		1.11	7.94		>100	1.19	>10000	60	0.25	13.00	2.23	923	5.94	7.8	13	1.02
R499421		4.96	0.027		1.01	0.06	56.4	30	<0.05	0.88	20.4	0.94	1.22	1.2	<1	0.16
R499422		1.05	>10.0	12.75	>100	1.13	>10000	70	0.32	71.6	0.36	39.1	7.87	68.0	16	1.63
R499423		1.78	8.15		>100	2.18	>10000	60	0.77	60.3	2.92	11.40	20.9	173.0	17	9.67
R499424		1.70	2.86		12.75	5.23	>10000	190	0.95	2.79	0.31	54.1	25.2	17.7	22	7.88
R499425		0.36	1.675		41.7	5.88	2630	150	1.06	38.8	1.68	47.0	35.7	18.1	23	10.80
R499426		1.24	0.493		5.62	6.93	1155	120	1.15	1.36	0.58	42.8	40.1	21.4	20	9.40
R499427		3.46	6.30		>100	2.72	>10000	80	0.82	1.85	2.36	498	16.45	5.2	12	13.60
R499428		1.37	7.20		65.5	4.54	>10000	180	0.97	4.45	1.35	484	27.6	6.9	10	17.95
R499429		2.16	4.85		31.0	6.17	>10000	230	1.06	2.03	0.23	158.0	34.0	7.0	15	11.80
R499430		1.85	8.31		>100	4.21	>10000	550	0.61	7.04	0.27	290	23.0	7.1	16	5.43
R499431		5.24	0.008		0.17	0.06	15.6	20	0.05	0.03	20.2	0.23	1.24	0.7	<1	0.16
R499432		1.93	4.13		>100	1.86	>10000	50	0.51	26.9	3.89	854	4.64	5.7	3	6.43
R499433		1.03	0.481		5.41	3.63	1855	70	0.66	1.27	6.03	25.3	23.0	28.8	8	5.36
R499434		1.02	0.278		6.08	6.68	904	520	1.04	5.24	2.86	34.5	35.0	10.8	8	9.83
R499435		<0.02	0.274		5.54	6.74	875	480	1.15	5.27	2.81	33.5	36.0	11.2	8	10.05
R499436		1.19	0.158		3.97	5.67	195.0	1080	1.78	3.45	4.60	15.85	50.4	9.4	11	19.20
R499437		1.40	>10.0	18.00	>100	0.43	5420	120	0.17	127.5	3.59	899	3.23	32.0	4	1.19
R499438		0.93	1.195		27.9	5.93	2480	710	1.07	11.45	1.11	165.5	38.5	26.5	10	9.87
R499439		1.72	1.415		12.95	6.51	1925	1150	1.22	0.31	1.86	52.8	40.5	6.0	10	14.05
R499440		<0.02	1.610		14.75	6.29	1970	780	1.13	0.25	1.87	55.3	41.6	5.9	11	13.75
R499441		0.95	>10.0	29.9	>100	1.33	>10000	50	0.41	0.24	4.39	>1000	2.32	2.8	6	3.26
R499442		2.82	3.15		>100	3.33	1210	110	0.67	7.97	4.03	266	18.15	47.6	11	9.40
R499443		3.02	0.659		12.75	3.21	609	330	0.85	0.64	2.91	42.1	22.1	9.0	12	11.80
R499444		3.20	0.150		17.85	7.00	573	490	1.41	1.27	2.35	27.2	38.3	8.6	11	22.7
R499445		2.05	9.84		>100	4.82	>10000	260	1.00	4.37	1.84	167.5	27.3	4.9	12	16.60
R499446		1.34	2.77		>100	3.00	8220	170	0.68	1.22	0.71	709	13.90	4.2	11	6.40
R499447		0.20	>10.0	13.80	>100	4.34	160.5	210	0.50	1.91	2.10	820	17.00	57.8	46	1.36
R499448		2.34	0.273		>100	3.85	236	120	1.24	0.82	1.90	420	11.85	26.1	13	4.32
R499449		1.32	4.76		85.0	3.46	>10000	30	1.59	2.13	6.72	356	27.1	8.7	5	12.15
R499450		1.81	0.637		5.50	5.73	2230	1130	1.41	1.40	1.05	14.45	55.2	39.3	13	16.45
R499451		5.69	1.025		27.9	4.44	967	190	1.29	0.83	6.63	70.5	28.0	4.2	8	10.05
R499452		1.77	7.26		>100	2.23	>10000	60	0.89	6.50	4.15	>1000	14.55	2.9	7	5.64
R499453		2.56	1.835		6.12	4.82	7590	1030	1.26	1.72	1.31	24.1	31.7	96.0	10	19.45

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 5-SEP-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15123453

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni
	Units	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	LOR	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2
R499418		118.5	7.34	12.30	0.10	0.9	0.246	2.38	16.6	37.9	0.58	2820	1.75	0.02	5.0	3.4
R499419		>10000	24.9	2.83	0.12	0.1	4.32	0.40	5.4	8.0	0.15	478	6.83	0.01	0.8	4.1
R499420		2090	12.80	6.57	0.07	0.1	2.94	0.53	2.1	11.5	0.76	2030	1.33	0.01	1.1	2.3
R499421		35.8	0.50	0.21	0.12	<0.1	0.018	0.02	0.6	0.7	12.80	207	0.44	<0.01	0.2	1.5
R499422		7050	14.80	2.93	0.07	0.2	2.03	0.47	4.1	18.0	0.17	266	8.45	0.01	1.0	3.4
R499423		>10000	12.20	6.12	0.08	0.9	5.19	0.64	10.5	30.6	0.77	1040	10.35	0.02	2.8	7.4
R499424		94.4	8.34	13.90	0.07	1.3	0.378	2.49	13.1	14.4	0.26	629	66.9	0.02	4.9	5.4
R499425		1200	9.04	15.20	0.09	0.9	1.670	2.59	18.1	14.4	0.68	2250	17.40	0.06	5.0	15.4
R499426		57.2	5.35	17.35	0.09	1.4	0.241	3.28	20.2	14.0	0.37	1040	29.3	0.03	6.4	6.6
R499427		541	7.03	8.52	0.05	0.4	7.01	1.14	7.9	37.0	0.85	2270	28.6	0.01	2.6	2.2
R499428		267	7.41	13.05	0.07	0.7	7.46	1.59	13.3	28.4	0.56	10500	18.35	0.02	4.4	2.5
R499429		147.0	6.66	17.00	0.08	1.0	2.43	2.72	17.8	13.0	0.29	2230	10.15	0.02	6.0	4.4
R499430		1370	10.40	12.10	0.08	0.8	2.69	1.99	12.0	7.2	0.24	4980	4.55	0.02	4.3	2.9
R499431		2.6	0.42	0.23	0.16	<0.1	0.008	0.03	0.6	0.7	12.70	188	0.25	<0.01	0.2	1.3
R499432		5400	9.27	5.96	0.06	0.3	9.55	0.63	1.0	19.2	1.05	9080	52.2	0.01	1.7	3.4
R499433		41.4	8.29	8.25	0.06	0.5	0.299	1.62	9.0	15.8	1.70	8650	0.96	0.02	3.5	2.4
R499434		34.1	6.80	22.1	0.09	0.7	0.581	3.14	18.4	9.5	1.15	1870	1.81	0.03	4.5	3.0
R499435		28.6	6.85	22.7	0.08	0.7	0.568	3.18	18.8	9.9	1.14	1870	1.83	0.03	4.5	2.9
R499436		35.0	3.21	14.00	0.09	2.0	0.115	1.88	26.9	51.9	1.51	1760	2.91	0.07	8.1	4.7
R499437		786	26.1	2.58	0.11	0.1	4.06	0.17	1.7	4.6	1.07	6120	7.33	<0.01	0.5	2.1
R499438		108.0	5.39	14.30	0.08	1.1	0.666	2.51	19.7	21.5	0.52	1530	1.79	0.03	6.3	3.9
R499439		50.2	4.59	15.00	0.09	1.0	0.111	2.85	21.3	13.6	0.70	2320	4.49	0.02	6.5	2.6
R499440		53.7	4.61	14.80	0.09	0.9	0.108	2.79	21.4	14.2	0.69	2370	4.46	0.02	6.5	2.5
R499441		1610	8.26	13.25	0.06	0.2	4.89	0.52	0.6	14.4	1.17	12800	55.0	0.01	1.4	1.9
R499442		767	7.37	8.13	0.05	0.5	1.480	1.49	9.6	18.7	1.16	8200	10.95	0.01	3.3	3.3
R499443		64.3	2.92	7.68	0.05	0.5	0.314	1.33	12.3	50.2	0.53	2810	2.59	0.02	3.2	2.6
R499444		49.5	3.76	17.10	0.09	1.2	0.162	2.98	19.0	23.7	0.71	4070	0.84	0.02	7.8	3.2
R499445		564	5.16	10.85	0.07	0.8	0.293	2.01	14.5	16.7	0.60	3270	0.67	0.02	4.7	2.1
R499446		554	8.78	8.01	0.05	0.5	0.675	1.34	7.2	13.6	0.42	4980	12.95	0.02	3.0	2.6
R499447		>10000	9.22	15.10	0.08	0.5	3.03	0.81	8.6	6.5	0.80	1580	155.0	1.08	2.1	22.1
R499448		232	3.43	9.01	0.05	0.6	0.446	1.78	5.7	13.6	0.65	2720	5.93	0.03	3.0	3.0
R499449		494	8.07	8.12	0.07	0.8	0.821	1.29	14.5	16.2	2.00	8010	1.87	0.02	3.7	2.2
R499450		16.7	4.87	15.75	0.11	0.9	0.086	2.39	30.6	25.2	0.42	533	5.87	0.03	6.3	4.7
R499451		254	5.28	10.15	0.06	0.7	0.315	1.99	15.5	14.1	2.43	7060	6.77	0.02	4.9	1.7
R499452		2130	7.56	6.14	0.06	0.4	25.8	0.95	7.8	8.2	1.32	4470	15.10	0.01	2.8	1.8
R499453		19.8	9.09	10.85	<0.05	0.6	0.145	2.11	16.8	12.7	0.56	1800	11.05	0.02	5.7	3.4

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VANCOUVER BC V6B 1L8

Finalized Date: 5-SEP-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15123453

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
	LOR	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02
R499418		400	2260	154.0	<0.002	6.48	176.5	7.3	1	3.4	74.4	0.44	0.72	9.3	0.164	2.45
R499419		60	2250	23.1	0.008	>10.0	455	1.5	5	10.3	24.7	0.07	24.8	1.4	0.029	0.41
R499420		50	>10000	30.4	<0.002	>10.0	974	1.9	1	17.2	35.5	0.10	0.46	1.3	0.038	0.58
R499421		200	41.2	1.1	<0.002	0.08	2.53	0.2	<1	0.2	44.4	<0.05	0.07	<0.2	<0.005	<0.02
R499422		80	5390	28.9	0.008	>10.0	1525	1.4	2	8.8	13.7	0.08	6.13	1.6	0.035	0.58
R499423		330	1300	32.3	0.008	>10.0	702	2.4	3	10.6	184.0	0.20	11.45	2.7	0.096	0.80
R499424		450	1810	179.0	0.005	8.36	107.5	7.1	1	8.1	26.3	0.41	0.33	6.1	0.193	2.77
R499425		470	1715	150.0	0.003	7.99	112.0	8.7	2	11.5	66.0	0.45	0.70	10.2	0.170	2.52
R499426		620	1680	217	0.005	5.34	54.8	10.8	1	5.1	36.2	0.52	0.27	9.9	0.265	3.56
R499427		180	6940	76.1	<0.002	8.05	274	4.0	1	13.8	96.6	0.22	0.10	4.3	0.092	1.44
R499428		320	8440	98.9	<0.002	5.76	125.0	6.5	1	11.3	121.0	0.38	0.08	6.9	0.154	1.91
R499429		570	2960	203	<0.002	6.31	86.5	9.7	1	12.8	38.4	0.51	0.15	8.4	0.234	2.73
R499430		340	>10000	145.0	<0.002	>10.0	787	5.8	1	12.4	21.9	0.40	0.20	6.6	0.151	2.15
R499431		220	11.1	1.3	<0.002	0.01	0.42	0.2	<1	<0.2	46.4	<0.05	<0.05	<0.2	<0.005	<0.02
R499432		160	>10000	36.9	<0.002	>10.0	1750	2.6	2	5.7	142.0	0.15	0.25	1.3	0.054	1.41
R499433		300	707	100.5	0.002	5.22	45.0	5.6	1	2.2	122.5	0.29	0.86	5.4	0.126	1.65
R499434		410	1320	204	<0.002	5.93	32.8	8.8	1	7.3	96.4	0.41	<0.05	8.5	0.176	3.51
R499435		410	1265	213	<0.002	6.07	31.8	8.9	<1	7.6	94.9	0.40	<0.05	7.8	0.173	3.57
R499436		620	509	87.2	<0.002	1.21	32.4	5.4	1	3.5	296	0.61	0.07	8.5	0.201	2.27
R499437		30	>10000	9.8	0.002	>10.0	333	0.6	3	23.3	71.6	<0.05	1.20	0.6	0.014	0.38
R499438		500	2260	150.0	<0.002	5.58	61.4	8.4	1	6.4	83.7	0.57	0.52	10.9	0.209	2.56
R499439		500	1675	158.0	<0.002	4.25	48.1	8.6	<1	7.6	110.0	0.58	<0.05	11.8	0.204	2.82
R499440		500	1675	156.0	<0.002	4.32	53.7	8.7	1	7.6	110.5	0.58	<0.05	11.6	0.200	2.84
R499441		100	>10000	29.4	0.002	9.11	1625	1.8	1	108.5	114.5	0.12	<0.05	0.8	0.042	0.91
R499442		240	9580	85.5	<0.002	7.88	524	6.8	1	3.3	45.9	0.28	1.33	6.0	0.109	1.64
R499443		210	1280	80.4	<0.002	2.06	123.0	5.1	<1	1.7	69.2	0.28	0.07	5.9	0.107	1.56
R499444		610	689	153.5	<0.002	2.65	53.8	11.1	1	3.2	141.0	0.66	<0.05	11.3	0.251	3.22
R499445		360	>10000	112.5	<0.002	5.41	3000	6.7	1	3.9	84.5	0.44	0.06	9.1	0.165	2.43
R499446		220	>10000	78.4	<0.002	8.92	172.5	4.2	1	4.7	18.7	0.27	0.05	5.0	0.093	1.53
R499447		550	>10000	25.4	0.067	>10.0	174.5	11.0	10	18.2	217	0.15	0.47	1.7	0.174	7.39
R499448		250	>10000	92.8	<0.002	3.20	82.0	4.1	1	2.9	34.4	0.25	0.23	6.0	0.088	1.52
R499449		320	>10000	71.1	<0.002	6.43	295	4.3	1	6.5	211	0.30	0.13	5.4	0.124	1.63
R499450		450	1065	130.5	<0.002	4.55	33.4	9.2	1	8.0	159.0	0.48	0.22	10.0	0.211	2.44
R499451		330	6360	110.5	<0.002	2.97	93.4	5.5	1	4.0	108.0	0.37	<0.05	8.4	0.143	2.35
R499452		180	>10000	55.4	<0.002	>10.0	465	3.4	3	8.6	74.7	0.20	<0.05	3.8	0.082	1.39
R499453		340	1080	142.0	<0.002	7.84	66.2	7.1	2	2.1	56.2	0.38	2.15	7.7	0.147	2.05

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CERTIFICATE OF ANALYSIS WH15123453

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Ag-OG62	Cu-OG62	Pb-OG62	Zn-OG62	As-OG62
	Analyte	U	V	W	Y	Zn	Zr	Ag	Cu	Pb	Zn	As
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%
	LOR	0.1	1	0.1	0.1	2	0.5	1	0.001	0.001	0.001	0.001
R499418		4.4	45	5.7	11.4	7800	25.1					1.985
R499419		1.4	11	1.0	3.1	456	2.8	231	1.150			
R499420		2.5	12	1.0	3.8	>10000	3.5	440		4.72	6.78	3.74
R499421		0.6	2	0.1	0.8	89	<0.5					
R499422		1.0	11	1.1	2.8	2310	4.8	727				1.850
R499423		4.7	24	1.7	6.0	1010	34.4	107	1.345			1.650
R499424		25.5	59	4.3	7.1	4300	40.7					1.515
R499425		5.9	58	8.4	9.9	3480	23.9					
R499426		17.5	81	7.6	10.1	2710	40.9					
R499427		6.3	27	3.1	5.1	>10000	13.6	125			3.30	1.035
R499428		7.6	43	5.3	8.0	>10000	19.7				2.90	2.26
R499429		3.4	69	6.5	7.7	9400	27.9					1.585
R499430		2.8	41	3.9	6.5	>10000	22.9	466		3.53	1.970	3.42
R499431		0.7	2	0.1	0.8	27	<0.5					
R499432		2.2	16	1.5	7.2	>10000	8.7	510		5.24	7.99	1.380
R499433		6.4	37	2.2	10.4	1980	13.0					
R499434		11.8	100	5.7	7.8	2660	19.8					
R499435		11.8	102	5.5	8.0	2540	19.1					
R499436		27.9	50	4.8	11.7	1190	70.1					
R499437		8.6	5	0.6	2.8	>10000	5.4	318		1.895	7.51	
R499438		16.3	64	5.7	8.3	>10000	31.3				1.185	
R499439		4.9	56	3.9	9.6	3590	24.9					
R499440		4.9	54	3.9	9.9	3650	24.6					
R499441		6.4	13	1.2	5.8	>10000	5.6	370		1.675	9.16	4.30
R499442		2.7	46	6.5	7.1	>10000	13.3	149			3.49	
R499443		10.2	36	4.9	7.0	4890	14.9					
R499444		4.4	71	10.7	13.4	2290	29.7					
R499445		3.0	46	6.8	8.8	>10000	19.6	195		2.94	2.03	1.525
R499446		4.2	27	7.2	4.2	>10000	13.0	139		3.57	4.50	
R499447		2.1	119	8.3	12.1	>10000	10.9	136	2.86	2.42	15.45	
R499448		5.4	42	2.6	7.1	>10000	15.8	110		2.18	2.78	
R499449		7.4	34	4.1	7.1	>10000	24.6			1.650	2.67	3.31
R499450		4.9	63	7.0	7.6	998	24.2					
R499451		3.9	39	3.6	8.4	5020	19.0					
R499452		4.5	23	3.0	7.8	>10000	9.9	452		10.85	13.60	1.365
R499453		4.2	43	5.5	8.7	1640	16.8					

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

2103 Dollarton Hwy
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www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: KLAZA

Finalized Date: 5-SEP-2015
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH15123453

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

BAG-01	BAG-06	CRU-32	CRU-QC
LOG-21	LOG-21d	LOG-23	PUL-35a
PUL-35ad	PUL-QC	SPL-21	SPL-21d
WEI-21			

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Ag-OG62	As-OG62	Au-AA24	Au-GRA22
Cu-OG62	ME-MS61	ME-OG62	Pb-OG62
Zn-OG62			

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C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 2-SEP-2015
Account: ROCKHA

CERTIFICATE WH15124775

Project: Klaza

P.O. No.: BATCH 126

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 19-AUG-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21d	Sample logging - ClientBarCode Dup
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
BAG-06	Double Bagging Coarse Rejects
SPL-21d	Split sample - duplicate
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31d	Pulverize Split - duplicate

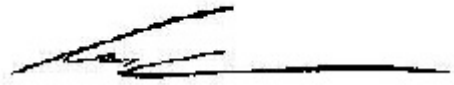
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 2-SEP-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15124775

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
K289863		3.47	0.010	0.36	8.30	33.6	1880	1.66	0.46	0.79	0.85	51.4	7.7	9	20.6	92.3
K289864		2.05	<0.005	0.44	7.64	103.0	1780	1.60	0.72	1.75	1.19	41.6	7.0	8	14.95	31.8
K289865		2.15	0.055	1.72	4.86	692	670	1.12	1.54	3.88	5.46	31.8	6.8	7	11.90	14.1
K289866		1.91	<0.005	0.38	7.25	40.9	1860	1.48	0.68	1.83	0.46	41.9	7.3	8	16.05	58.5
K289867		2.07	0.007	0.97	7.33	60.5	1900	1.44	0.75	2.54	0.86	45.2	7.5	11	17.70	120.5
K289868		1.15	0.005	0.60	6.92	159.5	2930	1.30	0.31	3.97	0.48	51.1	7.7	9	15.70	62.4
K289869		4.93	<0.005	0.01	0.09	0.6	30	0.05	0.03	20.7	0.06	1.20	0.7	<1	0.21	3.8
K289870		5.26	<0.005	0.30	7.26	7.4	2030	1.35	1.19	2.89	0.13	42.3	7.7	12	19.75	54.1
K289871		1.82	<0.005	0.49	7.15	33.1	2490	1.44	1.36	3.03	0.63	48.7	8.1	9	27.4	16.6
K289872		0.34	0.356	4.44	6.87	725	220	1.38	3.59	2.07	10.50	47.5	12.3	24	13.95	311
K289873		6.13	<0.005	0.12	7.28	5.6	2010	1.41	0.74	2.95	0.10	44.7	7.5	14	31.1	25.8
K289874		3.38	<0.005	0.13	7.52	5.6	2080	1.54	0.61	3.00	0.10	45.1	8.4	13	31.4	26.2
K289875		4.72	<0.005	0.16	7.67	25.9	1300	1.61	0.22	2.68	0.33	50.1	8.6	10	22.1	19.1
K289876		2.25	0.043	0.84	5.02	150.0	270	1.07	1.33	5.02	1.08	38.6	13.7	5	10.35	6.6
K289877		5.16	<0.005	0.02	0.12	0.8	70	0.08	0.03	20.4	0.09	1.25	0.6	1	0.26	2.5
K289878		4.94	0.190	12.05	7.47	28.4	1760	1.39	25.5	2.74	0.54	46.5	7.8	8	17.55	449
K289879		3.30	<0.005	0.10	7.95	2.8	1970	1.42	0.23	2.72	0.09	48.7	7.9	11	8.15	14.1
K289880		1.79	<0.005	0.16	3.24	35.1	2010	0.77	0.46	20.9	0.13	29.1	6.1	3	9.66	7.7
K289881		2.49	<0.005	0.06	8.33	4.6	1930	1.35	0.26	2.10	0.07	39.4	8.6	9	10.35	11.5
K289882		4.51	0.008	0.14	7.29	29.3	1030	1.34	0.29	3.80	0.12	45.3	7.8	8	11.25	4.2
K289883		3.91	<0.005	0.06	7.94	3.8	2020	1.66	0.23	3.20	0.07	53.3	9.0	12	9.39	7.8
K289884		1.65	0.011	0.13	6.89	34.2	1110	1.47	0.20	4.61	0.10	46.9	9.3	7	18.05	13.3
K289885		3.58	0.009	2.74	7.31	78.1	2190	1.58	22.2	3.78	1.53	47.7	8.9	8	22.1	57.3
K289886		0.34	1.685	40.3	5.83	2560	260	1.14	35.8	1.66	44.3	34.2	17.1	21	9.89	1150
K289887		6.33	<0.005	0.23	7.22	15.6	1910	1.55	0.96	2.88	0.28	42.5	8.7	11	15.85	11.2
K289888		1.80	0.005	0.63	6.88	21.6	1080	1.48	2.30	2.74	0.24	44.3	8.1	8	13.95	7.1
K289889		2.80	<0.005	0.45	7.22	7.0	1910	1.55	93.7	2.33	0.14	41.6	8.9	9	12.15	65.0
K289890		1.14	0.080	1.31	6.78	229	290	1.28	5.01	2.55	0.42	45.1	11.7	7	11.45	10.3
K289891		4.02	0.012	0.94	8.43	61.5	1460	1.98	4.58	4.76	0.23	56.0	9.8	7	70.6	9.7
K289892		6.05	<0.005	0.15	7.46	32.9	1950	1.55	0.75	2.53	0.16	47.7	8.2	9	17.20	3.7
K289893		<0.02	<0.005	0.15	7.36	33.0	2010	1.50	0.84	2.49	0.12	44.0	7.8	10	16.00	3.8
K289894		2.76	<0.005	0.78	7.54	7.5	1440	1.65	8.28	2.05	0.12	49.8	8.4	10	12.50	6.3
K289895		1.01	0.031	2.16	6.94	111.5	410	1.78	9.13	1.86	0.21	50.8	27.5	8	16.10	26.9
K289896		4.21	0.006	0.13	8.22	5.4	2020	1.73	2.20	2.67	0.12	53.1	8.6	12	15.35	25.2
K289897		1.07	0.156	6.32	6.23	425	140	1.41	2.31	3.57	9.14	40.7	9.3	8	12.80	93.7
K289898		3.01	0.008	1.58	7.86	60.8	2040	1.68	0.09	2.81	1.57	49.4	8.8	11	19.90	22.4

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 2-SEP-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15124775

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
K289863		2.91	17.00	0.12	1.9	0.048	2.80	27.8	29.5	0.23	672	2.26	1.18	8.4	2.7	700
K289864		3.29	16.25	0.12	1.6	0.102	3.02	21.8	25.6	0.65	1030	1.65	0.25	8.0	2.6	620
K289865		4.50	11.10	0.10	1.0	0.347	1.84	18.5	31.1	0.93	1920	1.90	0.04	4.7	2.3	360
K289866		3.08	15.30	0.12	1.6	0.051	2.76	21.4	39.2	0.45	1040	3.68	0.44	7.7	2.2	580
K289867		3.02	15.85	0.13	1.6	0.054	2.95	23.1	15.1	0.70	1060	2.07	1.31	7.7	2.4	580
K289868		3.24	14.25	0.14	1.5	0.056	2.93	28.5	24.7	1.21	1600	1.79	0.52	6.8	2.4	530
K289869		0.46	0.22	0.07	<0.1	<0.005	0.03	0.6	1.0	12.90	198	0.11	0.01	0.1	1.5	200
K289870		3.14	16.10	0.13	1.6	0.051	2.65	22.0	17.0	0.76	669	1.75	1.56	7.6	2.6	590
K289871		3.09	16.00	0.13	1.5	0.046	2.75	26.5	183.0	1.08	939	1.28	0.34	7.3	2.5	570
K289872		5.10	15.60	0.15	1.1	0.301	3.06	26.8	23.7	0.79	1880	13.45	0.15	6.2	14.6	520
K289873		3.03	16.20	0.12	1.5	0.034	2.54	22.3	10.2	0.80	604	1.32	2.02	7.9	2.6	620
K289874		3.23	16.80	0.11	1.5	0.036	2.64	22.6	10.5	0.78	666	1.43	2.09	8.2	3.3	660
K289875		3.43	16.65	0.13	1.2	0.054	2.42	26.3	135.5	0.99	1200	1.22	0.09	7.9	2.8	660
K289876		6.24	11.15	0.12	0.8	0.256	2.09	22.4	23.4	1.50	3780	0.99	0.02	5.0	2.4	410
K289877		0.49	0.30	0.07	<0.1	<0.005	0.04	0.6	1.3	12.75	215	0.15	<0.01	0.3	1.5	210
K289878		4.02	16.35	0.16	1.2	0.152	2.65	25.7	15.3	0.98	1340	1.07	1.05	7.6	2.5	610
K289879		3.13	17.65	0.13	1.2	0.037	2.52	24.2	12.7	0.84	626	2.10	1.51	8.3	2.6	700
K289880		2.09	7.98	0.14	0.5	0.018	1.13	17.0	14.8	1.03	1680	9.46	0.11	3.1	1.4	230
K289881		3.36	18.65	0.14	1.3	0.046	2.84	18.5	22.6	0.80	809	7.52	0.31	9.0	2.8	730
K289882		3.63	16.60	0.13	1.2	0.154	2.81	23.0	22.1	0.92	2240	4.27	0.12	7.7	2.3	640
K289883		3.50	17.55	0.16	1.3	0.040	2.47	28.3	10.6	0.98	875	1.51	1.86	8.4	2.9	690
K289884		3.95	15.25	0.14	1.0	0.065	2.54	25.0	18.5	1.23	2010	3.86	0.48	7.1	2.4	620
K289885		3.64	15.75	0.13	1.0	0.081	2.87	25.6	35.7	1.09	1700	3.89	0.14	7.4	2.7	640
K289886		9.21	14.05	0.14	0.9	1.550	2.68	18.2	14.5	0.69	2300	16.50	0.06	4.7	14.0	460
K289887		3.29	17.25	0.11	1.1	0.062	2.58	21.1	48.8	0.86	1340	0.96	1.49	7.8	2.8	650
K289888		3.73	15.45	0.12	0.9	0.147	2.90	23.5	53.2	0.99	2170	0.22	0.15	6.9	2.3	580
K289889		3.74	15.80	0.13	1.0	0.053	2.04	20.8	46.2	0.83	1020	4.53	1.16	7.4	2.5	630
K289890		5.34	14.35	0.13	1.0	0.138	2.90	24.0	21.0	0.84	2710	0.23	0.28	7.0	2.8	560
K289891		4.20	18.55	0.13	1.3	0.102	3.10	27.2	20.4	0.96	2380	0.24	0.82	9.0	2.8	750
K289892		3.72	15.75	0.14	1.2	0.063	2.56	24.7	30.9	0.89	1690	0.49	0.71	8.0	2.7	630
K289893		3.61	15.65	0.14	1.3	0.055	2.53	22.5	28.8	0.86	1620	0.28	0.75	7.8	2.6	610
K289894		3.65	15.65	0.13	1.4	0.061	1.91	25.6	16.0	0.71	1020	0.26	1.98	8.2	2.7	620
K289895		5.48	15.85	0.14	1.3	0.121	2.99	26.7	39.6	0.84	2750	1.44	0.09	7.6	3.3	540
K289896		3.37	17.60	0.09	1.4	0.039	2.86	28.0	33.9	0.87	775	1.00	1.56	8.8	2.8	670
K289897		5.33	13.45	0.08	1.1	0.127	3.00	22.1	31.2	1.23	10550	0.95	0.05	5.8	2.6	460
K289898		3.46	17.50	0.09	1.3	0.048	3.01	25.1	36.8	0.89	1240	0.90	1.48	8.5	3.0	630

***** See Appendix Page for comments regarding this certificate *****

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VANCOUVER BC V6B 1L8

Finalized Date: 2-SEP-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15124775

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
K289863		19.9	124.5	0.002	<0.01	9.99	11.7	1	1.9	166.5	0.69	0.11	15.3	0.294	1.79	3.0
K289864		29.7	123.5	0.002	0.17	8.50	10.3	1	1.9	116.0	0.63	<0.05	12.9	0.278	1.85	3.5
K289865		115.0	110.0	0.002	1.09	26.2	6.5	1	2.0	95.9	0.39	<0.05	9.4	0.162	1.73	4.0
K289866		19.0	104.0	0.002	0.06	10.60	9.5	1	1.8	156.5	0.64	<0.05	12.8	0.265	1.60	3.3
K289867		73.0	127.0	0.002	0.23	8.56	9.7	1	1.9	272	0.64	0.06	12.7	0.260	1.85	2.7
K289868		32.1	143.5	0.003	0.43	12.45	9.2	1	1.8	229	0.55	<0.05	13.4	0.236	1.93	3.2
K289869		1.8	1.5	0.002	<0.01	0.14	0.2	<1	<0.2	45.5	<0.05	<0.05	<0.2	<0.005	<0.02	0.6
K289870		14.0	109.5	0.002	0.11	3.64	10.4	1	1.8	325	0.63	<0.05	11.8	0.266	1.37	2.9
K289871		28.3	115.0	0.003	0.13	16.85	10.4	1	1.8	211	0.62	0.05	12.6	0.259	1.74	4.1
K289872		488	157.5	0.006	2.73	30.7	8.9	1	5.8	109.5	0.51	0.30	11.9	0.209	2.58	5.5
K289873		15.2	93.3	0.003	0.09	1.97	10.4	1	1.7	400	0.62	<0.05	11.5	0.277	1.30	3.2
K289874		15.7	97.4	0.002	0.09	2.25	11.3	1	1.8	416	0.64	<0.05	12.0	0.292	1.38	3.5
K289875		17.3	98.9	0.002	0.16	18.40	11.4	1	1.8	162.5	0.60	<0.05	12.9	0.291	1.97	6.4
K289876		60.8	127.0	0.002	1.87	13.45	8.5	1	2.0	110.0	0.41	<0.05	8.9	0.185	1.95	7.9
K289877		1.5	1.7	0.002	0.01	0.17	0.2	<1	0.2	46.4	<0.05	<0.05	0.9	<0.005	<0.02	1.1
K289878		157.5	131.0	0.003	0.22	48.1	11.2	1	2.0	262	0.59	<0.05	12.4	0.271	1.53	4.9
K289879		14.2	87.4	0.002	0.01	3.57	12.6	1	1.9	372	0.70	<0.05	12.3	0.305	0.99	3.9
K289880		21.8	60.1	0.002	0.19	13.15	5.4	1	0.8	646	0.27	<0.05	5.1	0.107	0.77	2.2
K289881		16.9	97.8	0.004	0.02	7.24	14.2	1	2.1	242	0.75	<0.05	11.6	0.334	1.38	3.8
K289882		14.8	141.5	0.003	0.33	8.94	11.9	1	2.8	164.0	0.65	<0.05	10.9	0.284	2.05	3.5
K289883		15.2	100.5	0.003	0.03	10.00	13.3	1	1.8	401	0.74	<0.05	13.6	0.300	1.04	4.9
K289884		14.0	130.5	0.003	0.38	45.5	13.2	1	1.7	226	0.55	<0.05	11.1	0.294	1.64	3.8
K289885		71.6	145.0	0.002	0.47	16.50	12.0	1	3.5	236	0.59	0.23	11.8	0.282	2.37	4.5
K289886		1650	144.0	0.004	7.97	107.5	7.9	2	10.9	62.9	0.38	0.73	8.4	0.165	2.28	5.5
K289887		26.8	115.0	0.002	0.12	4.88	13.3	1	2.4	344	0.63	<0.05	11.3	0.287	1.57	3.9
K289888		17.9	157.5	0.003	0.34	7.84	10.8	1	5.1	132.5	0.56	<0.05	11.6	0.255	3.19	4.2
K289889		23.0	79.9	0.002	0.09	9.95	11.3	1	5.1	298	0.59	0.53	11.0	0.278	1.24	3.9
K289890		44.7	158.0	0.003	2.39	10.70	10.3	1	4.3	103.0	0.55	0.28	11.4	0.259	2.02	3.0
K289891		20.0	157.5	0.002	0.71	7.68	14.0	1	5.5	290	0.73	0.05	13.7	0.332	2.43	5.3
K289892		22.5	119.0	0.002	0.20	6.61	11.5	1	2.6	211	0.70	<0.05	13.2	0.287	1.84	5.1
K289893		22.4	113.5	0.003	0.18	6.37	11.4	1	2.6	211	0.69	<0.05	13.0	0.280	1.81	4.5
K289894		20.4	92.0	0.002	0.05	5.50	10.7	1	4.5	252	0.74	0.24	14.1	0.275	1.23	5.3
K289895		96.0	171.5	0.002	1.76	13.45	13.1	1	12.9	81.4	0.72	0.30	13.6	0.254	2.34	5.5
K289896		19.9	123.5	<0.002	0.07	10.40	11.6	1	2.2	353	0.81	<0.05	14.8	0.289	1.35	5.3
K289897		329	160.0	<0.002	2.86	48.9	8.4	1	2.9	131.0	0.53	<0.05	10.5	0.206	2.58	5.7
K289898		54.3	130.0	<0.002	0.23	12.85	12.0	1	2.0	330	0.69	<0.05	13.8	0.280	1.68	4.5

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 2-SEP-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15124775

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	V	W	Y	Zn	Zr
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	1	0.1	0.1	2	0.5
K289863		82	4.4	17.3	84	56.5
K289864		74	3.9	14.7	167	50.6
K289865		48	3.4	12.0	690	31.3
K289866		73	2.6	13.9	122	48.7
K289867		71	4.6	14.0	143	47.4
K289868		65	5.5	14.8	89	45.2
K289869		2	0.1	0.8	15	0.5
K289870		72	3.0	15.2	51	47.6
K289871		72	3.4	15.5	107	45.4
K289872		66	5.8	12.4	867	31.5
K289873		76	2.5	14.4	46	43.2
K289874		82	2.7	15.5	48	43.9
K289875		83	4.0	16.8	76	31.6
K289876		60	6.7	16.1	182	22.3
K289877		2	0.1	0.8	17	0.7
K289878		77	3.9	15.2	109	32.1
K289879		85	2.4	15.9	46	31.6
K289880		36	1.8	22.6	27	14.2
K289881		94	2.9	14.2	66	33.0
K289882		80	3.7	14.8	111	29.6
K289883		87	2.6	18.3	58	34.0
K289884		92	6.8	15.3	72	27.0
K289885		82	8.1	16.4	217	26.9
K289886		57	7.4	10.3	3340	23.9
K289887		83	3.1	16.3	143	29.2
K289888		76	5.4	13.8	214	24.9
K289889		78	9.1	13.2	108	25.4
K289890		72	7.7	10.9	167	27.1
K289891		108	4.0	15.5	105	33.8
K289892		79	2.9	15.2	78	30.3
K289893		77	2.9	13.3	76	31.6
K289894		71	2.5	14.4	117	35.3
K289895		89	6.5	16.4	84	31.3
K289896		85	2.6	18.1	62	34.4
K289897		63	5.9	15.3	782	27.2
K289898		83	2.2	17.3	167	34.7

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: Klaza

Finalized Date: 2-SEP-2015
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH15124775

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	ME-MS61

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 2-SEP-2015
Account: ROCKHA

CERTIFICATE WH15124776

Project: Klaza

P.O. No.: BATCH 131

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 19-AUG-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21d	Sample logging - ClientBarCode Dup
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
BAG-06	Double Bagging Coarse Rejects
SPL-21d	Split sample - duplicate
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31d	Pulverize Split - duplicate

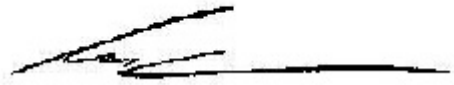
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Pb-OG62	Ore Grade Pb - Four Acid	VARIABLE
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	
Ag-OG62	Ore Grade Ag - Four Acid	VARIABLE
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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VANCOUVER BC V6B 1L8

Finalized Date: 2-SEP-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15124776

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
K290971		1.26	0.029	1.38	6.90	54.2	1010	1.43	0.29	2.12	2.93	49.1	6.2	11	20.6	17.4
K290972		6.00	<0.005	0.16	7.22	15.1	2310	1.42	0.09	2.20	0.26	45.0	4.7	10	21.7	2.9
K290973		1.06	0.155	>100	6.62	104.5	1970	1.79	0.21	2.54	30.7	36.6	5.1	7	24.6	369
K290974		5.38	<0.005	0.02	0.06	0.2	30	<0.05	0.01	21.0	0.06	1.14	0.5	1	0.19	3.2
K290975		6.95	<0.005	1.40	7.05	10.1	2370	1.47	0.10	2.35	0.32	40.5	4.3	9	21.0	6.0
K290976		1.34	0.305	6.66	6.83	198.5	1150	4.47	4.58	2.37	18.15	37.2	8.0	10	30.4	93.5
K290977		8.32	0.019	0.25	6.54	14.4	200	3.56	0.42	1.04	0.36	16.70	<0.1	2	22.3	1.5
K290978		11.65	<0.005	0.09	6.55	11.0	100	3.60	0.22	0.73	0.11	19.15	<0.1	1	22.7	0.4
K290979		0.34	0.347	4.56	6.74	749	210	1.66	3.66	2.14	10.70	46.9	12.8	26	14.85	320
K290980		7.57	<0.005	0.27	6.23	12.1	240	3.47	0.52	1.29	0.28	16.95	<0.1	1	25.5	0.7
K290981		1.77	0.509	10.50	6.88	187.0	1020	4.42	3.20	2.33	17.85	49.8	14.1	11	23.4	53.2
K290982		2.06	0.009	0.31	7.27	25.1	1820	1.87	0.09	1.69	0.20	44.3	3.2	10	17.00	3.2
K290983		5.72	<0.005	0.13	6.37	10.5	1700	1.25	0.11	2.09	0.11	37.8	3.1	17	12.25	1.6
K290984		7.41	<0.005	0.06	7.03	11.1	2180	1.47	0.08	2.23	0.09	47.6	2.0	13	16.25	1.8
K290985		3.69	<0.005	0.08	6.82	11.4	2070	1.45	0.07	2.11	0.07	50.0	2.5	15	16.80	2.2
K290986		4.44	<0.005	0.06	6.85	13.3	1850	1.37	0.11	2.03	0.12	62.9	2.1	11	18.00	1.9
K290987		2.07	0.121	0.29	7.64	21.9	1820	1.44	0.39	2.60	0.53	60.6	2.8	13	13.70	4.1
K290988		2.66	5.81	9.61	5.83	128.5	1400	1.30	5.69	1.79	0.65	71.6	336	9	7.32	7.2
K290989		5.00	<0.005	<0.01	0.08	0.2	30	0.05	0.03	21.9	0.06	1.40	0.7	3	0.17	1.7
K290990		3.24	0.576	4.26	6.37	102.5	950	1.84	2.92	0.91	1.70	70.5	94.1	6	47.7	10.4
K290991		3.79	0.106	1.09	5.98	77.9	1350	1.54	1.17	1.08	0.90	97.0	40.8	11	17.65	10.2
K290992		5.31	0.036	0.78	7.28	44.6	950	1.57	0.92	1.13	1.98	84.4	18.1	8	9.34	8.1
K290993		2.94	1.420	7.06	5.81	168.0	910	1.31	4.31	0.96	3.73	34.0	151.5	8	8.93	6.1
K290994		0.34	1.780	39.2	5.49	2440	40	1.28	36.2	1.62	45.9	33.2	16.9	21	10.90	1160
K290995		9.42	0.023	0.64	7.17	28.2	1090	1.48	0.77	2.24	1.29	55.5	15.4	8	10.80	4.1
K290996		3.78	0.811	4.75	5.02	145.0	870	1.24	3.92	1.03	3.47	57.9	178.0	8	12.45	8.1
K290997		4.73	0.290	1.94	5.82	68.3	840	1.45	1.61	1.98	1.42	97.3	90.1	6	33.3	9.4
K290998		7.16	0.026	14.55	6.64	78.7	1360	1.76	20.8	2.38	16.55	82.9	11.7	7	10.50	147.5
K290999		1.85	1.470	4.24	5.61	149.0	500	1.20	2.92	1.73	2.31	83.7	536	6	6.80	10.4
K291000		3.61	0.013	0.60	7.37	37.5	1350	1.78	0.78	2.33	0.37	81.1	14.4	10	13.85	6.7
K291001		<0.02	0.015	0.58	7.36	35.3	1340	1.75	0.70	2.35	0.32	85.3	13.8	11	14.05	4.9
K291002		7.09	0.007	0.15	7.17	12.8	2080	1.38	0.17	3.51	0.50	49.9	6.6	7	35.6	3.6
K291003		3.29	0.006	0.45	6.31	17.4	1730	1.45	0.47	3.45	1.32	56.2	16.2	8	16.35	2.2
K291004		6.11	0.007	1.33	7.07	15.2	1720	1.41	0.11	3.21	14.80	54.3	4.6	8	35.3	7.1
K291005		5.34	0.014	0.69	6.50	17.0	1730	1.50	0.16	3.93	7.53	56.4	8.5	6	41.9	17.2
K291006		3.42	0.027	1.00	4.39	24.3	2290	1.14	0.74	4.70	1.95	88.7	51.0	6	29.1	7.5

***** See Appendix Page for comments regarding this certificate *****

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 2-SEP-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15124776

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
K290971		3.17	15.55	<0.05	1.2	0.065	2.94	25.6	39.0	0.82	1700	0.90	0.06	7.4	2.1	540
K290972		3.07	15.55	<0.05	1.1	0.046	2.96	22.4	18.4	0.64	651	1.23	1.80	7.9	1.8	620
K290973		3.67	13.55	0.08	1.2	0.174	2.64	19.8	62.0	0.90	1760	2.60	1.35	7.4	2.0	480
K290974		0.47	0.19	<0.05	<0.1	<0.005	0.02	0.6	1.0	12.75	199	<0.05	0.01	0.2	0.9	230
K290975		3.11	15.60	0.06	1.1	0.055	2.98	20.2	13.8	0.60	776	1.59	1.69	7.8	1.4	610
K290976		2.04	18.70	0.09	2.5	0.386	2.67	18.4	51.4	0.65	1290	5.59	0.07	18.3	6.9	350
K290977		0.73	18.10	0.08	2.7	0.032	2.10	7.0	120.5	0.31	556	0.38	0.04	25.4	<0.2	20
K290978		0.60	19.85	0.09	3.1	0.013	2.02	8.1	57.8	0.27	578	0.51	0.03	28.3	<0.2	30
K290979		5.02	15.20	0.09	1.1	0.321	2.91	26.9	27.4	0.79	1860	13.30	0.15	6.5	13.9	530
K290980		0.71	18.05	0.07	2.8	0.024	2.19	7.0	94.2	0.45	786	1.05	0.04	24.3	<0.2	30
K290981		3.35	17.50	0.10	2.2	0.289	2.90	28.2	23.7	0.90	2240	4.78	0.07	14.4	5.6	400
K290982		3.17	16.80	0.08	1.2	0.060	3.63	22.3	44.3	0.57	1560	0.76	0.35	8.6	1.3	570
K290983		2.89	13.85	<0.05	1.0	0.056	3.00	19.5	16.4	0.60	696	1.50	1.28	7.0	1.4	510
K290984		3.32	15.60	0.05	1.2	0.066	3.15	23.5	41.8	0.65	767	0.64	1.56	8.2	1.7	580
K290985		3.06	15.45	<0.05	1.1	0.056	3.10	25.7	58.8	0.61	715	2.93	1.36	7.9	1.3	560
K290986		3.01	16.00	<0.05	1.3	0.054	3.12	31.4	49.0	0.54	782	1.14	0.99	8.7	1.4	560
K290987		3.45	16.05	0.06	1.1	0.076	3.36	33.2	50.5	1.00	1980	1.18	0.08	8.1	1.3	600
K290988		9.25	13.25	<0.05	0.9	0.283	2.67	43.7	48.7	0.86	1580	13.95	0.05	6.0	5.3	500
K290989		0.50	0.24	<0.05	<0.1	<0.005	0.03	0.7	1.3	13.35	221	<0.05	<0.01	0.2	1.0	200
K290990		5.52	15.45	0.10	1.1	0.295	2.33	43.9	33.8	0.52	996	6.17	0.05	7.2	3.0	630
K290991		4.57	15.55	0.12	0.9	0.291	2.62	61.9	26.2	0.65	1740	17.30	0.04	6.6	4.3	470
K290992		3.92	17.30	0.13	1.1	0.309	3.54	51.4	15.9	0.68	1920	6.38	0.04	8.0	2.0	590
K290993		8.27	13.55	0.10	0.9	0.346	2.63	19.4	22.6	0.49	1400	14.60	0.04	6.1	3.4	840
K290994		8.64	14.00	0.07	0.8	1.560	2.52	17.1	15.9	0.65	2150	17.45	0.06	5.0	15.1	430
K290995		4.30	17.05	0.11	1.1	0.172	2.89	31.3	63.6	0.78	2340	2.18	0.05	7.9	1.9	630
K290996		7.68	13.45	0.10	0.7	0.264	1.95	34.1	48.9	0.52	1360	12.45	0.04	5.2	4.9	1550
K290997		4.75	14.55	0.11	1.0	0.260	2.52	60.8	29.3	0.84	2010	3.22	0.05	6.6	2.6	530
K290998		3.79	15.75	0.12	1.0	0.255	3.09	52.2	59.8	1.05	2830	4.72	0.04	8.0	1.5	500
K290999		10.05	16.35	0.12	1.0	0.294	2.45	52.0	28.8	0.93	2080	2.19	0.07	6.5	5.0	440
K291000		4.10	17.25	0.15	1.2	0.198	3.11	46.5	44.5	1.04	2360	2.53	0.22	8.1	1.9	580
K291001		4.10	17.40	0.17	1.2	0.193	3.17	48.8	44.7	1.03	2430	2.39	0.23	8.3	2.0	590
K291002		3.29	17.00	0.14	1.1	0.073	2.91	26.3	30.8	0.74	1290	1.03	0.43	7.9	1.8	570
K291003		2.73	16.15	0.16	1.2	0.136	3.29	29.9	20.0	0.47	1800	3.93	0.24	8.0	1.7	530
K291004		3.28	16.05	0.14	1.1	0.071	2.89	30.4	31.1	0.83	1400	1.97	0.19	7.6	1.5	550
K291005		3.02	15.35	0.13	1.1	0.080	2.64	31.4	32.8	0.73	1700	1.52	0.06	7.1	1.7	520
K291006		3.87	11.35	0.15	0.6	0.147	1.37	55.2	36.9	0.59	2250	4.59	0.04	3.7	3.1	280

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 2-SEP-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15124776

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
K290971		191.0	117.0	<0.002	0.22	29.2	9.5	<1	1.7	77.5	0.56	<0.05	11.9	0.233	1.98	5.6
K290972		20.3	110.0	<0.002	0.05	7.53	9.9	1	1.6	315	0.63	<0.05	10.0	0.263	1.27	3.5
K290973		>10000	126.0	<0.002	0.85	201	9.7	1	1.7	270	0.60	<0.05	10.1	0.211	1.55	4.4
K290974		4.0	1.2	<0.002	<0.01	0.08	0.2	<1	<0.2	46.9	<0.05	<0.05	<0.2	<0.005	<0.02	0.5
K290975		140.5	120.5	<0.002	0.04	6.21	9.8	<1	1.8	282	0.62	<0.05	9.9	0.256	1.22	3.4
K290976		839	140.5	<0.002	0.95	39.9	7.1	1	3.4	196.0	1.35	0.06	15.6	0.183	2.09	20.6
K290977		72.9	145.0	<0.002	0.05	6.21	3.0	1	2.9	97.0	2.38	<0.05	21.3	0.036	1.21	9.0
K290978		56.3	157.5	<0.002	0.02	5.41	3.2	1	2.6	74.6	2.57	<0.05	24.3	0.032	1.20	15.6
K290979		501	160.5	0.003	2.72	30.3	8.7	1	5.7	113.5	0.54	0.33	11.8	0.206	2.51	5.4
K290980		106.0	156.5	<0.002	0.03	3.81	2.9	1	3.6	130.0	2.44	<0.05	20.9	0.032	1.31	17.4
K290981		2770	179.5	<0.002	1.21	27.1	7.7	1	3.2	230	1.06	0.33	15.3	0.193	2.31	12.4
K290982		33.3	160.5	<0.002	0.10	8.10	9.7	1	2.0	191.5	0.66	<0.05	11.4	0.255	1.84	4.0
K290983		20.2	148.5	<0.002	0.04	3.06	8.6	<1	1.7	175.5	0.53	<0.05	10.3	0.218	1.54	3.0
K290984		13.5	115.5	<0.002	0.01	3.20	9.3	1	1.9	288	0.69	<0.05	10.9	0.253	1.32	3.5
K290985		13.8	124.0	<0.002	0.03	3.48	9.4	1	1.8	268	0.61	<0.05	11.1	0.244	1.41	3.8
K290986		14.1	121.0	<0.002	0.02	5.96	9.3	1	1.8	261	0.75	<0.05	15.6	0.240	1.51	3.9
K290987		25.0	126.0	<0.002	0.25	5.93	10.1	1	2.5	205	0.62	<0.05	12.3	0.262	1.80	6.2
K290988		268	174.0	0.002	7.29	8.56	8.2	1	7.9	78.9	0.45	3.09	8.9	0.190	1.84	21.7
K290989		1.3	1.6	<0.002	<0.01	0.05	0.2	<1	<0.2	48.0	<0.05	<0.05	<0.2	<0.005	<0.02	0.6
K290990		175.5	153.5	<0.002	4.10	11.35	9.3	1	6.8	64.5	0.56	1.37	11.5	0.220	2.04	55.0
K290991		36.7	169.0	<0.002	1.85	6.53	9.4	1	3.6	48.3	0.46	0.20	11.3	0.189	2.10	4.6
K290992		95.1	222	<0.002	1.27	4.04	10.7	1	4.0	56.7	0.62	0.09	14.3	0.250	2.81	4.0
K290993		351	163.5	0.002	7.03	5.70	7.3	1	8.7	42.7	0.46	2.29	9.7	0.185	2.03	5.1
K290994		1610	144.0	0.002	7.43	105.5	7.8	2	10.9	65.7	0.41	0.75	9.1	0.161	2.22	5.2
K290995		75.8	140.0	<0.002	0.67	4.69	10.8	1	3.5	146.5	0.62	0.09	11.6	0.252	2.11	3.1
K290996		248	119.0	<0.002	5.89	7.38	7.5	1	7.6	45.6	0.40	2.15	8.1	0.157	1.60	13.7
K290997		116.5	155.0	<0.002	3.03	7.93	8.3	1	4.5	79.5	0.54	0.88	11.0	0.205	2.07	5.8
K290998		740	180.5	<0.002	0.71	17.60	9.2	1	3.0	83.5	0.60	0.08	12.1	0.218	2.71	5.7
K290999		149.0	141.5	<0.002	8.12	4.28	9.3	2	6.7	74.4	0.51	3.38	10.2	0.196	1.95	5.1
K291000		42.4	146.5	<0.002	0.69	5.70	10.2	1	3.9	129.0	0.64	0.07	11.8	0.246	2.43	4.9
K291001		41.0	143.0	<0.002	0.66	5.70	10.2	<1	3.9	129.0	0.65	0.08	12.1	0.254	2.43	5.0
K291002		34.7	105.0	<0.002	0.12	4.63	9.6	1	1.8	218	0.61	<0.05	11.6	0.248	1.49	3.4
K291003		94.6	161.0	<0.002	0.40	4.39	8.3	<1	2.8	168.5	0.64	<0.05	10.8	0.236	2.56	3.6
K291004		329	133.5	<0.002	0.19	5.70	9.7	<1	1.9	213	0.59	<0.05	12.2	0.232	1.94	4.2
K291005		322	120.5	<0.002	0.25	6.43	9.1	1	3.4	201	0.57	<0.05	10.9	0.220	1.93	5.1
K291006		168.0	83.9	<0.002	1.01	5.54	7.0	1	2.0	232	0.30	0.23	7.9	0.119	1.09	5.6

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 2-SEP-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15124776

Sample Description	Method / Analyte / Units / LOR	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Ag-OG62 Ag ppm 1	Pb-OG62 Pb % 0.001
K290971		64	4.1	14.4	214	35.4		
K290972		70	1.3	14.2	57	33.1		
K290973		57	5.5	16.5	1920	27.8	334	2.95
K290974		2	0.1	0.8	15	0.6		
K290975		67	1.9	14.4	57	32.0		
K290976		44	3.9	17.2	1400	65.2		
K290977		1	2.3	13.8	65	52.3		
K290978		1	1.8	18.1	37	60.7		
K290979		66	5.6	12.6	927	30.8		
K290980		<1	2.2	16.0	57	56.3		
K290981		51	4.6	18.3	1290	60.5		
K290982		70	4.5	13.4	66	34.1		
K290983		65	1.7	10.1	48	29.6		
K290984		68	3.6	12.1	48	33.3		
K290985		63	4.5	12.8	41	32.8		
K290986		63	7.6	13.6	45	36.6		
K290987		70	9.5	15.4	107	32.0		
K290988		58	9.7	9.9	101	26.2		
K290989		3	0.1	0.8	16	<0.5		
K290990		68	13.4	15.3	170	28.0		
K290991		76	9.8	10.0	138	22.2		
K290992		71	9.7	12.8	224	28.0		
K290993		52	12.7	10.8	301	21.4		
K290994		54	7.2	9.8	3330	23.1		
K290995		70	12.3	12.5	156	27.7		
K290996		69	15.0	12.2	312	18.1		
K290997		61	12.3	12.2	139	25.0		
K290998		60	13.1	14.1	1160	27.0		
K290999		74	16.4	11.1	218	24.5		
K291000		70	15.0	15.1	84	32.3		
K291001		71	14.9	15.5	83	31.3		
K291002		70	7.4	15.2	95	28.8		
K291003		63	5.6	14.0	118	29.9		
K291004		67	4.9	13.9	1040	28.8		
K291005		64	5.2	15.4	563	28.2		
K291006		70	6.0	13.7	187	16.4		

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: Klaza

Finalized Date: 2-SEP-2015
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH15124776

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

Applies to Method:				
	BAG-06	CRU-31	CRU-QC	LOG-21
	LOG-21d	LOG-23	PUL-31	PUL-31d
	PUL-QC	SPL-21	SPL-21d	WEI-21

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:				
	Ag-OG62	Au-AA24	ME-MS61	ME-OG62
	Pb-OG62			

ALS Canada Ltd.

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 2-SEP-2015
Account: ROCKHA

CERTIFICATE WH15124777

Project: Klaza

P.O. No.: BATCH 132

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 19-AUG-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21d	Sample logging - ClientBarCode Dup
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
BAG-06	Double Bagging Coarse Rejects
SPL-21d	Split sample - duplicate
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31d	Pulverize Split - duplicate

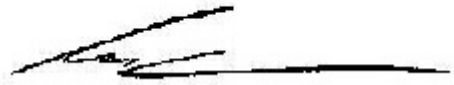
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.

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VANCOUVER BC V6B 1L8

Finalized Date: 2-SEP-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15124777

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
K291007		3.17	0.026	0.84	6.70	18.0	1640	1.70	0.52	3.36	0.94	120.0	24.5	8	27.0	8.3
K291008		8.43	0.147	0.37	7.35	14.5	1880	1.86	0.27	2.43	0.85	64.6	5.6	8	19.35	4.1
K291009		1.20	0.020	0.62	7.29	25.7	1940	2.53	0.52	4.13	0.46	68.2	14.2	7	46.7	2.0
K291010		6.01	0.010	0.48	6.92	14.4	2870	1.88	0.51	3.60	0.42	69.8	14.3	8	10.90	2.6
K291011		4.53	0.038	2.43	7.68	84.8	2200	3.09	0.92	1.42	11.85	41.6	25.8	6	33.7	14.6
K291012		<0.02	0.037	2.30	8.06	85.9	2190	3.05	0.92	1.44	11.20	53.4	24.4	6	35.6	14.1
K291013		13.17	<0.005	0.20	6.71	16.1	1500	3.06	0.45	0.34	0.68	19.75	0.3	1	37.3	0.8
K291014		1.32	0.015	1.70	7.62	47.7	1970	2.13	0.24	2.88	8.36	53.9	4.7	7	29.2	7.8
K291015		4.64	0.081	2.86	6.44	151.0	1230	1.62	0.84	1.52	9.37	81.3	11.6	8	42.0	10.1
K291016		5.00	<0.005	0.05	0.09	1.6	90	0.05	0.05	21.7	0.08	1.43	0.7	<1	0.29	1.4
K291017		7.53	0.007	0.39	7.30	12.9	2210	1.26	0.44	1.28	0.50	44.9	4.3	13	11.50	3.3
K291018		4.61	0.008	1.24	5.71	15.6	1170	0.95	0.15	1.54	10.80	36.1	4.3	15	6.18	8.1
K291019		2.13	0.313	6.56	5.57	141.0	220	1.18	1.13	0.93	51.8	64.1	9.7	8	9.10	84.4
K291020		2.99	0.034	1.72	7.30	41.1	1210	1.52	0.27	1.36	19.65	57.4	3.6	9	16.00	11.0
K291021		8.38	0.033	0.58	7.26	25.8	1650	1.66	0.24	1.72	3.43	41.3	5.1	10	15.40	5.8
K291022		0.36	0.428	4.44	6.42	722	450	1.30	3.49	2.02	10.35	42.5	12.3	24	12.05	316
K291023		3.34	0.013	1.07	7.37	38.4	2190	1.79	0.30	2.13	3.13	49.0	3.8	12	17.15	6.4
K291024		1.97	0.776	33.3	6.18	4910	810	1.22	1.08	0.79	99.1	36.8	7.0	9	9.58	91.7
K291025		4.39	0.084	6.94	7.32	328	550	1.27	3.35	1.58	16.05	59.3	27.2	8	7.06	17.4
K291026		4.09	0.030	1.36	7.22	36.9	1590	1.43	1.04	1.51	1.67	61.5	16.9	10	6.31	4.9
K291027		2.30	0.459	11.50	5.51	372	120	1.17	5.25	2.28	52.8	93.4	38.2	8	8.25	124.0
K291028		5.18	<0.005	0.05	0.05	0.7	20	0.05	0.04	21.4	0.15	1.27	0.7	<1	0.11	2.5
K291029		4.44	0.009	1.03	7.59	21.5	2310	1.35	0.48	1.43	5.50	52.3	11.3	11	7.03	6.6
K291030		1.85	0.007	1.70	7.84	15.4	1110	1.83	0.13	1.28	14.50	50.9	3.3	11	14.10	5.0
K291031		2.29	0.029	0.79	7.46	80.4	1290	1.55	0.13	2.70	0.22	48.7	3.6	17	21.3	2.2
K291032		1.06	0.024	0.69	7.07	69.6	1200	1.39	0.09	2.47	0.25	48.5	2.8	9	21.2	3.5
K291033		9.02	0.012	0.82	6.27	20.0	2310	1.59	0.31	1.84	1.80	40.4	11.3	7	43.1	10.5
K291034		3.30	0.197	6.88	7.29	23.0	1840	1.62	0.18	1.61	60.3	47.4	4.9	12	11.40	48.8
K291035		9.24	0.017	0.79	7.87	11.6	1960	1.41	0.23	1.21	6.90	54.9	4.9	12	11.10	7.6
K291036		0.34	0.928	11.85	6.71	1590	1180	1.41	12.65	1.91	32.0	45.7	17.7	20	13.25	287
K291037		9.27	0.021	1.04	7.70	18.6	1870	1.71	0.22	1.35	4.87	57.4	4.5	10	13.50	10.5
K291038		5.38	0.032	3.10	7.28	24.7	1890	1.63	0.22	2.31	6.34	54.8	7.5	15	13.20	9.3
K291039		5.07	<0.005	0.15	7.55	12.2	2210	1.67	0.18	1.74	0.24	46.0	8.4	10	16.40	2.9
K291040		1.94	<0.005	0.10	7.54	8.6	2380	1.61	0.19	2.21	0.19	49.3	5.3	9	12.90	3.2
K291041		1.36	0.060	2.41	7.15	100.5	2090	1.61	0.34	1.66	14.25	39.6	5.1	8	16.00	33.6
K291042		7.89	0.012	1.91	7.09	38.9	2010	1.55	0.21	2.18	2.52	41.6	6.5	8	22.4	7.2

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 2-SEP-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15124777

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
K291007		3.26	16.20	0.19	1.1	0.187	2.59	74.0	43.2	0.62	2000	2.76	0.21	7.3	2.3	570
K291008		3.50	16.95	0.18	1.1	0.085	2.83	37.2	80.1	0.83	1400	1.48	0.68	7.9	2.2	570
K291009		2.98	17.15	0.18	1.3	0.122	2.34	37.1	46.7	0.75	2100	1.44	0.25	8.3	2.9	600
K291010		3.07	15.60	0.17	1.2	0.170	2.47	38.7	15.6	1.06	1630	3.64	1.09	8.0	1.8	580
K291011		2.72	19.45	0.15	2.3	0.140	2.93	20.4	83.8	0.52	2120	4.50	0.03	19.1	2.0	390
K291012		2.70	19.65	0.18	2.4	0.142	2.93	28.7	78.1	0.55	2120	4.42	0.03	19.1	2.1	390
K291013		0.61	19.40	0.15	3.1	0.032	2.14	9.5	101.0	0.20	408	1.07	0.04	22.5	0.3	60
K291014		3.10	16.10	0.18	1.2	0.101	2.97	30.3	26.9	0.97	2520	1.07	0.04	9.1	2.1	540
K291015		3.61	15.35	0.16	0.9	0.116	2.69	50.9	19.3	0.69	2060	1.38	0.03	6.0	2.7	480
K291016		0.49	0.27	0.09	<0.1	<0.005	0.03	0.7	1.0	13.30	219	0.10	<0.01	0.3	1.6	180
K291017		2.23	17.25	0.14	0.9	0.041	3.27	25.1	25.4	0.70	951	1.67	0.04	6.0	1.9	540
K291018		3.29	14.95	0.13	0.7	0.099	2.81	22.8	13.7	0.82	2350	1.27	0.04	4.2	2.5	410
K291019		5.29	15.45	0.15	0.8	0.324	2.70	38.6	17.8	0.63	2330	3.80	0.03	5.5	2.9	450
K291020		3.79	15.45	0.16	1.3	0.129	3.02	32.3	20.8	0.76	2410	1.80	0.03	7.7	2.2	540
K291021		3.20	17.10	0.14	1.2	0.082	3.07	20.7	63.4	0.63	1560	1.72	0.05	8.3	2.4	560
K291022		5.03	15.30	0.13	1.1	0.297	2.93	22.7	25.1	0.72	1950	13.95	0.15	6.1	14.9	520
K291023		2.90	16.60	0.16	1.2	0.081	2.53	25.2	49.6	0.72	1520	1.76	0.03	8.5	2.2	620
K291024		7.00	15.25	0.16	0.9	0.220	2.95	19.3	9.1	0.45	2050	1.69	0.03	6.3	2.4	510
K291025		5.25	16.95	0.16	0.9	0.230	3.57	36.0	5.9	0.72	2960	1.57	0.05	6.3	2.9	560
K291026		3.99	16.40	0.15	0.9	0.242	3.50	37.6	12.8	0.74	2660	0.58	0.05	6.8	2.1	620
K291027		8.39	18.75	0.16	0.8	1.100	2.37	55.5	19.9	0.99	2630	2.94	0.08	4.9	3.8	450
K291028		0.48	0.18	0.10	<0.1	0.005	0.02	0.7	0.9	13.00	217	0.25	<0.01	0.1	1.6	170
K291029		2.60	15.85	0.15	1.1	0.185	3.73	29.2	14.0	0.63	2070	2.95	0.04	7.9	1.5	590
K291030		2.90	16.45	0.12	1.0	0.041	2.92	27.9	198.0	0.48	822	1.01	0.08	8.5	1.9	620
K291031		3.02	15.80	0.10	0.8	0.038	3.18	28.3	22.6	0.98	1390	1.48	0.04	7.4	2.3	560
K291032		2.65	15.85	0.08	1.0	0.034	3.14	26.4	24.3	0.86	1200	1.40	0.04	7.7	2.0	570
K291033		2.73	14.90	0.14	0.8	0.038	2.33	22.3	41.4	0.64	996	0.93	0.04	5.9	2.1	470
K291034		4.28	15.85	0.08	0.8	0.084	2.94	26.4	74.3	0.77	1600	0.94	0.06	7.6	2.0	590
K291035		3.45	16.80	0.07	1.0	0.051	3.15	31.8	58.6	0.54	940	0.96	0.08	8.1	2.0	620
K291036		6.62	15.65	0.11	1.0	0.769	3.01	25.2	20.0	0.79	1840	8.84	0.13	6.6	11.8	550
K291037		3.83	17.70	0.10	1.0	0.051	2.76	32.3	57.0	0.70	1250	0.69	0.05	8.3	2.3	690
K291038		3.13	15.10	0.08	0.9	0.052	2.36	31.7	84.2	0.83	1160	1.18	0.04	7.5	2.0	550
K291039		3.38	15.95	0.09	1.0	0.062	3.05	26.4	47.7	0.74	1040	0.70	0.05	7.9	2.5	610
K291040		2.84	16.45	0.12	1.2	0.045	3.13	26.0	9.5	0.64	559	1.80	2.34	8.2	2.5	570
K291041		3.99	16.80	0.08	1.0	0.127	3.73	21.0	20.3	0.31	7440	2.04	0.22	7.3	2.6	560
K291042		2.67	16.45	0.09	1.2	0.043	3.26	21.2	39.6	0.47	1160	0.96	1.44	8.1	2.4	570

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 2-SEP-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15124777

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
K291007		62.9	105.0	<0.002	0.51	4.67	9.8	1	4.1	156.0	0.61	0.39	11.8	0.229	1.74	7.4
K291008		41.8	122.5	<0.002	0.17	3.91	10.7	1	2.4	244	0.67	0.11	13.9	0.241	1.73	4.7
K291009		28.6	99.8	<0.002	0.44	6.61	11.1	1	2.6	200	0.73	0.24	13.1	0.248	1.78	9.8
K291010		25.0	104.0	<0.002	0.41	3.26	9.4	1	3.0	219	0.67	0.22	12.3	0.238	1.75	13.7
K291011		596	148.0	<0.002	0.94	13.45	8.6	1	3.9	150.5	1.50	0.22	16.0	0.205	2.72	47.8
K291012		540	170.0	<0.002	0.90	13.35	9.1	1	3.7	152.0	1.48	0.19	19.0	0.204	2.73	53.4
K291013		72.7	128.0	<0.002	0.10	7.83	3.1	<1	3.4	83.7	2.66	<0.05	23.2	0.040	1.64	11.8
K291014		366	161.0	<0.002	0.36	10.45	10.0	1	1.9	223	0.69	<0.05	14.5	0.244	2.66	14.7
K291015		456	167.5	<0.002	1.36	13.55	9.2	<1	2.7	80.4	0.52	0.60	13.3	0.189	2.50	23.1
K291016		2.7	1.6	<0.002	<0.01	0.13	0.2	<1	0.2	49.9	<0.05	<0.05	<0.2	<0.005	0.02	1.0
K291017		46.1	182.5	<0.002	0.16	11.55	9.5	1	1.6	72.1	0.50	<0.05	13.1	0.193	2.65	5.0
K291018		494	163.5	<0.002	0.22	11.15	7.1	<1	1.9	35.6	0.34	0.06	9.4	0.152	2.18	5.2
K291019		1850	166.0	<0.002	2.47	22.2	7.9	<1	4.5	36.0	0.49	0.13	10.3	0.169	2.21	8.2
K291020		583	184.5	<0.002	0.42	10.70	10.1	1	2.5	64.1	0.72	<0.05	15.1	0.236	2.76	5.5
K291021		240	134.0	<0.002	0.28	10.60	9.8	<1	2.2	114.5	0.77	<0.05	12.6	0.240	2.29	4.8
K291022		493	134.5	0.003	2.67	29.0	9.0	1	6.1	108.5	0.53	0.38	10.8	0.209	2.46	5.6
K291023		169.5	106.0	<0.002	0.41	10.00	10.5	<1	2.1	146.0	0.73	0.16	13.9	0.256	2.27	6.3
K291024		8650	185.5	<0.002	6.07	61.1	9.1	<1	4.7	54.9	0.54	0.33	10.7	0.205	2.78	4.1
K291025		534	211	<0.002	2.84	8.84	10.8	1	3.0	46.6	0.50	1.67	13.5	0.216	3.21	3.9
K291026		116.0	207	<0.002	0.98	4.81	9.9	1	3.6	45.3	0.56	0.41	14.2	0.220	2.88	5.9
K291027		1500	138.5	0.002	6.29	22.1	9.5	1	10.1	84.1	0.40	1.50	10.2	0.144	1.99	19.7
K291028		5.6	1.2	<0.002	<0.01	0.15	0.1	<1	<0.2	46.4	<0.05	<0.05	<0.2	<0.005	0.02	0.7
K291029		268	198.5	<0.002	0.49	12.60	9.1	<1	3.0	62.7	0.67	0.08	14.6	0.243	3.02	7.5
K291030		565	121.5	0.002	0.13	17.10	10.5	1	1.9	230	0.63	<0.05	12.0	0.260	1.63	2.2
K291031		21.8	154.5	0.002	0.59	8.29	9.6	1	1.7	71.6	0.55	<0.05	11.6	0.237	2.82	7.0
K291032		21.8	135.5	0.003	0.48	8.01	9.2	1	1.8	75.2	0.58	<0.05	10.5	0.236	2.82	6.7
K291033		192.5	102.0	0.002	0.34	12.80	8.1	1	2.2	80.2	0.46	0.07	9.8	0.190	1.63	4.3
K291034		2050	124.0	0.002	0.55	13.70	10.2	1	2.3	140.0	0.50	<0.05	10.8	0.242	1.94	4.3
K291035		235	146.0	0.002	0.15	20.5	10.4	1	1.8	101.0	0.65	<0.05	14.5	0.248	1.59	3.7
K291036		1350	172.0	0.002	4.72	63.8	9.2	1	8.2	98.2	0.51	1.10	11.1	0.209	2.43	5.3
K291037		622	132.5	0.002	0.22	20.5	11.3	1	2.1	77.4	0.65	<0.05	13.8	0.253	1.69	5.5
K291038		1595	116.5	0.002	0.44	18.20	9.7	1	1.8	144.5	0.57	<0.05	12.8	0.236	1.74	4.1
K291039		13.0	157.5	<0.002	0.21	15.75	10.4	1	1.8	73.9	0.61	0.05	14.1	0.236	2.12	3.8
K291040		19.4	115.5	<0.002	0.04	2.70	9.6	<1	1.7	376	0.67	<0.05	12.9	0.244	1.24	2.9
K291041		243	189.5	<0.002	0.34	9.11	9.4	1	2.1	88.7	0.58	0.11	10.7	0.223	2.79	3.3
K291042		168.0	132.5	0.002	0.10	6.95	9.4	1	1.6	258	0.64	<0.05	10.5	0.238	1.78	2.3

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 2-SEP-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15124777

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	V	W	Y	Zn	Zr
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	1	0.1	0.1	2	0.5
K291007		69	8.5	15.4	114	29.4
K291008		67	4.4	14.8	111	28.6
K291009		74	4.5	22.0	92	31.9
K291010		67	3.8	15.0	73	31.5
K291011		54	4.2	19.8	907	49.3
K291012		53	4.2	24.0	864	52.1
K291013		3	1.5	11.1	77	49.4
K291014		64	3.0	16.6	610	31.3
K291015		64	3.5	12.4	693	23.6
K291016		3	0.1	0.8	17	<0.5
K291017		64	3.9	10.7	94	23.9
K291018		57	2.9	7.8	851	17.6
K291019		59	6.6	6.6	4620	20.8
K291020		63	4.9	13.4	1420	30.2
K291021		68	3.8	12.4	262	30.3
K291022		67	5.7	10.9	870	29.9
K291023		71	4.1	15.2	243	31.3
K291024		58	6.3	8.0	6280	21.5
K291025		72	3.7	13.2	1300	22.8
K291026		62	3.3	14.9	206	22.9
K291027		101	3.9	13.3	4850	20.1
K291028		3	0.1	0.8	25	<0.5
K291029		59	3.5	13.2	492	26.8
K291030		70	3.3	12.1	938	25.9
K291031		66	3.5	13.2	61	23.2
K291032		65	3.4	12.4	58	25.2
K291033		73	2.7	11.3	182	22.3
K291034		71	3.2	12.1	4340	23.8
K291035		72	2.2	14.2	528	25.4
K291036		64	5.7	11.5	2410	29.9
K291037		74	2.6	15.4	367	26.8
K291038		64	2.5	13.1	470	25.2
K291039		71	2.1	15.1	79	27.1
K291040		66	1.0	15.1	76	33.4
K291041		69	2.1	15.1	1320	28.7
K291042		66	2.1	13.9	345	34.4

***** See Appendix Page for comments regarding this certificate *****

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: Klaza

Finalized Date: 2-SEP-2015
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH15124777

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	ME-MS61

ALS Canada Ltd.

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Finalized Date: 2-SEP-2015
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CERTIFICATE WH15124778

Project: Klaza

P.O. No.: BATCH 133

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 19-AUG-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21d	Sample logging - ClientBarCode Dup
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
BAG-06	Double Bagging Coarse Rejects
SPL-21d	Split sample - duplicate
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31d	Pulverize Split - duplicate

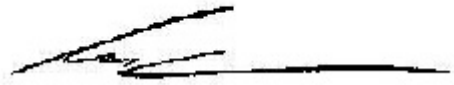
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Pb-OG62	Ore Grade Pb - Four Acid	VARIABLE
Zn-OG62	Ore Grade Zn - Four Acid	VARIABLE
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 2-SEP-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15124778

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
K291043		1.94	0.178	39.7	7.33	201	1200	1.36	0.11	1.67	77.0	51.4	5.2	10	24.6	62.9
K291044		6.93	0.011	14.80	7.75	39.2	2210	1.41	0.11	2.42	13.15	52.0	6.7	10	19.90	19.5
K291045		2.15	0.167	20.4	7.16	416	1520	1.37	0.17	2.36	165.5	49.6	6.5	9	18.50	87.5
K291046		2.99	<0.005	0.36	7.43	17.1	2130	1.48	0.10	2.74	1.12	45.0	7.1	11	18.45	8.7
K291047		5.28	0.023	6.88	7.07	118.0	1630	1.43	0.33	2.63	34.0	44.5	6.8	9	25.3	43.9
K291048		1.70	0.011	5.34	7.46	51.8	1430	1.54	0.43	2.37	14.00	54.1	6.9	9	24.9	27.8
K291049		11.76	0.007	12.30	7.02	37.1	2090	1.47	0.14	2.57	0.76	46.4	6.7	13	21.3	15.7
K291050		5.19	0.009	2.23	7.28	44.2	1900	2.64	0.14	2.50	4.84	51.4	5.9	9	29.1	10.6
K291051		2.36	0.246	35.6	7.24	716	830	5.22	1.43	0.48	58.8	38.3	3.8	6	28.3	63.5
K291052		7.05	0.038	1.20	7.07	51.1	620	4.53	0.34	0.94	4.09	22.2	0.7	3	26.8	3.9
K291053		8.82	0.025	0.81	7.09	36.7	640	4.56	0.38	0.91	1.15	20.5	0.4	3	26.0	2.7
K291054		0.33	1.675	40.2	5.92	2120	90	1.21	32.8	1.74	44.6	38.9	17.0	23	9.72	1195
K291055		6.15	0.106	4.07	6.98	127.5	940	4.72	1.43	1.09	9.02	22.2	0.8	2	26.7	13.3
K291056		4.76	0.877	83.1	5.79	2050	160	2.92	3.62	0.30	222	34.0	4.1	7	23.7	235
K291057		4.96	0.031	1.79	7.50	66.1	990	2.50	0.18	2.78	17.45	54.1	6.0	9	24.2	10.1
K291058		5.57	0.064	5.95	6.58	139.5	650	1.87	1.09	3.12	25.8	45.2	14.1	8	23.5	43.5
K291059		2.97	0.083	3.88	8.03	156.5	220	1.84	1.45	3.28	0.72	35.7	11.7	7	22.2	4.7
K291060		5.12	<0.005	0.04	0.06	<0.2	30	0.06	0.03	21.0	0.09	1.21	0.6	1	0.30	1.2
K291061		5.55	0.040	3.23	7.20	107.5	930	1.65	3.28	2.39	0.49	60.5	40.5	13	17.30	56.3
K291062		2.91	0.039	2.27	5.31	69.8	1070	1.08	4.72	2.56	4.61	36.1	28.5	19	10.35	14.2
K291063		7.06	0.040	6.51	7.56	42.6	1410	1.73	0.47	2.62	10.15	51.1	8.8	14	16.80	54.9
K291064		8.75	0.026	5.15	7.77	33.5	2430	1.61	0.36	2.02	7.51	55.9	7.8	11	17.10	15.7
K291065		<0.02	0.037	5.16	8.07	45.6	2560	1.77	0.42	2.09	9.78	56.9	9.5	12	18.70	22.4
K291066		2.66	<0.005	0.25	7.97	13.5	2200	1.71	0.20	2.11	0.28	50.7	6.1	10	17.55	9.8
K291067		2.19	<0.005	0.16	7.50	6.5	2220	1.76	0.17	2.10	0.15	58.5	5.1	11	15.20	7.8
K291068		1.86	1.140	82.4	5.81	1030	270	1.34	0.35	1.46	413	46.5	4.2	7	15.30	263
K291069		5.18	<0.005	0.14	0.06	0.5	30	0.05	0.07	20.9	0.55	1.54	0.6	1	0.20	1.7
K291070		2.29	0.005	2.01	7.22	14.6	4330	1.49	0.18	3.32	9.55	47.9	4.2	8	24.6	10.9
K291071		6.43	0.012	1.54	7.43	16.1	1920	1.57	0.22	2.19	6.81	47.6	4.4	10	17.90	31.0
K291072		2.22	0.024	5.99	6.46	52.3	1780	1.51	0.23	3.99	5.61	39.1	6.2	7	20.0	12.8
K291073		6.21	<0.005	0.14	7.80	5.9	2220	1.45	0.15	2.26	0.25	45.9	5.5	10	31.9	11.9
K291074		0.34	0.356	4.65	7.05	623	280	1.39	3.42	2.19	11.20	53.5	12.5	27	13.30	319
K291075		4.70	0.011	0.53	7.25	102.5	2360	1.59	0.17	2.58	0.82	49.0	7.7	10	24.7	11.2
K291076		1.33	0.161	17.70	6.34	83.3	1890	1.38	0.27	2.10	58.2	42.9	7.0	7	21.9	47.1
K291077		8.34	<0.005	0.16	7.38	6.2	2220	1.56	0.13	2.33	0.28	51.8	7.3	11	20.2	9.3
K291078		8.49	<0.005	0.27	7.52	7.3	2350	1.57	0.16	2.62	0.34	46.2	7.2	13	15.90	7.8

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 2-SEP-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15124778

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
K291043		3.82	15.65	0.11	1.4	0.070	3.67	27.8	25.7	0.65	4170	1.48	0.28	7.0	2.0	540
K291044		3.22	16.40	0.14	1.5	0.040	3.33	26.7	19.9	0.64	1880	1.34	1.66	7.6	2.4	590
K291045		3.93	14.65	0.13	1.2	0.106	3.42	27.2	17.7	0.87	3290	1.16	0.62	6.6	2.2	520
K291046		3.03	16.50	0.12	1.5	0.040	3.17	22.2	16.9	0.64	881	1.19	1.85	8.3	2.5	580
K291047		3.28	15.50	0.11	1.3	0.464	3.58	22.5	24.5	0.73	2860	1.09	0.56	7.0	2.2	540
K291048		3.28	15.95	0.13	1.3	0.293	3.74	28.7	17.8	0.83	2900	1.06	0.65	7.2	2.5	560
K291049		2.89	16.55	0.14	1.4	0.049	3.07	23.0	20.1	0.64	940	1.55	1.79	7.5	2.5	550
K291050		3.09	15.80	0.17	1.4	0.052	3.80	26.8	17.5	0.76	1940	1.48	0.65	7.6	2.3	550
K291051		3.94	18.15	0.11	2.5	0.395	3.65	20.8	29.0	0.33	3580	4.77	0.44	16.8	1.7	330
K291052		0.96	20.1	0.12	3.6	0.034	3.86	10.8	67.1	0.24	1140	2.32	0.61	23.8	0.7	60
K291053		0.71	20.4	0.12	3.3	0.028	3.95	9.7	72.0	0.23	875	1.89	0.56	25.9	0.5	40
K291054		9.43	14.35	0.12	0.9	1.610	2.77	19.8	16.4	0.71	2330	18.35	0.06	4.7	14.9	460
K291055		0.92	20.4	0.11	3.5	0.081	3.61	10.4	98.5	0.19	1310	3.61	0.10	25.0	0.8	80
K291056		5.06	13.95	0.10	1.7	1.645	2.52	17.6	26.7	0.25	1800	16.45	0.03	8.9	1.6	310
K291057		3.75	17.35	0.14	1.5	0.096	3.36	27.9	18.3	0.84	4080	2.96	0.03	8.3	2.5	570
K291058		3.96	13.40	0.13	1.1	0.114	2.97	25.0	23.2	1.02	3860	2.89	0.03	6.5	2.5	470
K291059		6.00	17.55	0.10	1.1	0.210	3.85	16.0	16.3	0.88	3470	0.66	0.03	7.8	3.1	630
K291060		0.47	0.23	0.13	<0.1	0.005	0.03	0.6	0.9	13.00	202	0.05	<0.01	0.1	1.5	180
K291061		3.92	14.80	0.14	1.1	0.130	3.25	33.7	14.6	0.87	1420	3.24	0.32	6.6	4.7	520
K291062		4.25	11.25	0.10	0.7	0.148	2.20	20.7	15.5	0.91	1580	3.44	0.46	4.9	3.2	370
K291063		3.91	15.65	0.11	1.1	0.117	3.56	27.1	14.1	0.98	3000	2.14	0.47	7.5	2.1	590
K291064		3.83	16.45	0.13	1.2	0.073	3.94	29.1	18.7	0.77	2580	2.04	0.62	8.5	2.4	670
K291065		3.93	17.60	0.14	1.2	0.081	4.08	29.1	22.5	0.79	2830	1.86	0.56	8.6	2.6	650
K291066		3.26	17.40	0.14	1.2	0.046	3.52	25.8	40.3	0.69	935	1.40	1.35	8.4	2.6	630
K291067		2.85	16.30	0.14	1.3	0.043	3.25	30.8	17.1	0.61	690	1.41	1.73	7.5	2.4	510
K291068		5.16	13.90	0.12	0.9	0.174	2.85	25.0	17.5	0.67	3060	1.59	0.04	5.0	1.9	380
K291069		0.45	0.22	0.13	<0.1	0.005	0.03	0.8	0.9	12.95	193	0.17	0.01	0.2	1.4	420
K291070		3.17	15.75	0.15	1.3	0.061	3.57	25.2	16.8	1.07	2400	0.97	0.26	7.6	2.0	550
K291071		3.30	16.80	0.14	1.4	0.074	3.05	24.4	14.9	0.62	1060	1.35	1.49	7.9	2.3	560
K291072		2.92	13.50	0.12	1.2	0.048	2.13	20.6	82.9	1.28	1140	1.92	0.03	6.3	2.5	470
K291073		2.92	17.10	0.13	1.4	0.047	3.16	22.6	48.7	0.56	669	2.06	1.16	8.3	2.2	590
K291074		5.29	15.90	0.12	1.3	0.315	3.17	30.2	25.8	0.83	1940	16.90	0.16	6.2	14.9	550
K291075		3.16	16.45	0.14	1.2	0.066	3.43	24.4	28.5	0.92	1490	1.31	0.36	7.8	2.8	590
K291076		2.87	14.05	0.05	1.0	0.059	2.60	23.2	56.6	0.75	1370	1.35	0.07	7.1	2.3	450
K291077		2.90	16.95	0.05	1.2	0.042	2.82	25.5	27.1	0.65	645	1.36	1.56	9.4	3.1	570
K291078		3.05	16.80	0.06	1.2	0.045	2.82	22.8	16.8	0.80	902	1.19	2.34	9.0	2.7	580

***** See Appendix Page for comments regarding this certificate *****

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Finalized Date: 2-SEP-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15124778

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
K291043		5300	172.5	<0.002	0.31	31.7	9.9	1	2.5	99.2	0.70	<0.05	13.9	0.234	3.24	4.5
K291044		960	141.5	<0.002	0.09	13.15	10.1	1	1.9	286	0.72	<0.05	14.0	0.250	2.16	2.7
K291045		1450	166.5	<0.002	1.12	20.4	9.3	1	4.2	155.5	0.60	<0.05	12.2	0.224	2.53	3.3
K291046		74.9	123.5	<0.002	0.08	4.26	10.4	1	1.9	311	0.81	<0.05	11.9	0.254	1.77	2.6
K291047		1400	157.5	<0.002	0.39	14.65	9.4	1	2.3	165.0	0.68	<0.05	12.4	0.233	2.72	4.0
K291048		751	176.5	<0.002	0.26	11.90	10.1	1	2.4	159.0	0.67	0.13	14.6	0.239	2.84	3.8
K291049		336	125.5	<0.002	0.11	7.64	9.8	1	1.7	297	0.69	<0.05	11.8	0.239	1.98	2.3
K291050		275	186.0	<0.002	0.23	10.65	10.0	1	1.9	176.0	0.70	<0.05	14.2	0.240	3.37	3.7
K291051		6530	226	<0.002	1.72	36.6	7.6	1	4.1	110.5	1.55	0.05	18.1	0.156	3.48	18.1
K291052		281	241	<0.002	0.07	5.67	3.8	1	3.9	120.0	2.81	<0.05	23.4	0.047	2.56	11.2
K291053		137.0	241	<0.002	0.02	3.92	3.5	1	3.4	113.0	2.79	<0.05	23.6	0.040	2.53	9.2
K291054		1720	152.0	0.004	7.95	107.5	8.5	2	11.5	64.1	0.44	0.71	10.5	0.174	2.39	6.2
K291055		543	219	<0.002	0.09	12.40	3.8	1	4.1	131.5	2.66	<0.05	22.3	0.057	2.54	10.8
K291056		>10000	154.0	<0.002	3.66	102.5	7.4	1	6.7	57.8	0.70	0.05	11.6	0.179	3.08	11.4
K291057		124.5	193.0	<0.002	1.18	16.75	10.9	1	2.4	128.0	0.82	<0.05	14.7	0.232	4.09	4.8
K291058		1465	179.5	<0.002	1.68	24.5	8.7	1	2.0	90.9	0.60	0.38	13.0	0.200	3.53	4.6
K291059		29.3	148.5	<0.002	4.70	16.40	10.7	1	2.4	67.7	0.71	0.61	11.4	0.241	5.55	3.0
K291060		4.1	1.9	<0.002	<0.01	0.10	0.2	1	<0.2	46.6	<0.05	<0.05	<0.2	<0.005	0.03	0.6
K291061		44.6	192.5	<0.002	1.66	22.3	9.3	1	1.9	79.3	0.63	0.93	15.2	0.220	3.02	5.5
K291062		359	124.0	0.002	1.23	7.53	6.8	1	1.9	80.0	0.42	2.30	10.6	0.154	1.91	5.1
K291063		1280	185.5	<0.002	0.53	17.60	11.2	1	2.3	84.4	0.70	0.10	13.8	0.244	3.36	4.8
K291064		1100	182.5	<0.002	0.22	12.95	13.1	1	2.5	137.5	0.74	<0.05	14.2	0.287	2.81	4.5
K291065		1045	190.5	<0.002	0.27	14.55	13.7	1	2.7	140.0	0.75	0.06	14.6	0.290	3.09	4.8
K291066		25.7	140.5	<0.002	0.08	7.64	11.7	1	2.1	247	0.77	<0.05	14.4	0.273	1.93	3.6
K291067		23.8	126.0	<0.002	0.04	4.54	9.5	1	1.7	275	0.77	<0.05	13.5	0.231	1.65	4.0
K291068		>10000	165.0	<0.002	4.00	69.3	7.8	1	3.8	50.0	0.49	<0.05	13.1	0.166	3.11	6.2
K291069		51.4	1.4	<0.002	<0.01	0.19	0.2	1	<0.2	47.3	<0.05	<0.05	0.2	<0.005	0.02	0.7
K291070		588	162.5	<0.002	0.26	12.00	10.7	1	2.1	149.0	0.74	<0.05	13.8	0.250	2.74	7.5
K291071		378	134.0	<0.002	0.23	8.75	10.4	1	2.5	191.5	0.79	<0.05	14.1	0.244	1.92	4.6
K291072		1645	80.3	<0.002	0.73	12.80	8.2	1	2.0	222	0.69	0.05	12.5	0.200	1.75	6.2
K291073		30.8	122.0	<0.002	0.02	7.28	10.3	1	2.6	213	0.80	<0.05	12.7	0.261	1.54	2.9
K291074		515	168.0	0.005	2.78	29.9	9.6	1	6.0	111.0	0.54	0.29	12.4	0.218	2.74	5.6
K291075		43.8	129.5	<0.002	0.21	15.95	11.0	1	1.9	144.0	0.72	<0.05	12.6	0.256	2.25	4.3
K291076		4890	114.0	<0.002	0.88	29.8	8.2	1	2.0	123.5	0.62	<0.05	12.9	0.201	1.89	4.8
K291077		28.4	116.0	<0.002	0.02	6.37	9.9	1	1.9	271	0.79	<0.05	13.8	0.250	1.32	3.5
K291078		88.4	113.0	<0.002	0.02	3.18	11.2	1	1.9	366	0.66	<0.05	11.8	0.270	1.35	3.3

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

2103 Dollarton Hwy
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www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 2-SEP-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15124778

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Pb-OG62	Zn-OG62
	Analyte	V	W	Y	Zn	Zr	Pb	Zn
	Units	ppm	ppm	ppm	ppm	ppm	%	%
	LOR	1	0.1	0.1	2	0.5	0.001	0.001
K291043		64	5.7	15.5	4090	33.7		
K291044		67	3.5	16.5	889	36.5		
K291045		61	5.1	14.9	>10000	30.4		1.030
K291046		71	1.8	16.6	175	36.7		
K291047		63	4.2	14.5	2240	33.5		
K291048		66	4.2	15.5	1120	33.0		
K291049		65	2.9	14.8	110	35.2		
K291050		65	5.8	15.3	381	35.5		
K291051		40	5.6	13.6	4000	53.6		
K291052		5	2.4	19.5	440	65.3		
K291053		2	2.1	16.2	218	59.9		
K291054		57	8.2	9.6	3470	24.9		
K291055		7	2.9	17.6	1120	64.8		
K291056		49	8.9	10.1	>10000	42.6	1.255	1.210
K291057		64	4.4	16.7	2460	38.1		
K291058		50	4.0	12.7	1720	28.9		
K291059		54	5.3	12.7	101	28.5		
K291060		1	0.1	0.8	18	<0.5		
K291061		66	4.0	14.7	85	27.6		
K291062		55	4.4	13.0	323	18.9		
K291063		66	3.2	15.4	694	27.6		
K291064		84	4.5	16.6	716	30.4		
K291065		87	5.3	17.3	818	31.1		
K291066		74	4.5	16.0	99	32.7		
K291067		62	1.8	14.9	58	31.6		
K291068		50	2.8	9.4	>10000	21.5	2.92	2.71
K291069		1	0.1	0.9	52	0.5		
K291070		69	2.6	17.7	653	33.3		
K291071		66	2.2	15.6	433	33.8		
K291072		58	3.2	14.6	460	29.0		
K291073		69	2.0	15.3	66	33.6		
K291074		68	6.1	12.4	920	33.7		
K291075		72	2.9	17.2	109	30.5		
K291076		55	2.6	13.9	3470	28.6		
K291077		67	1.8	16.6	59	33.3		
K291078		76	1.4	16.3	60	31.1		

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: Klaza

Finalized Date: 2-SEP-2015
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH15124778

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	ME-MS61	ME-OG62	Pb-OG62
Zn-OG62			

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C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 4-SEP-2015
Account: ROCKHA

CERTIFICATE WH15127538

Project: Klaza

P.O. No.: BATCH 134

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 24-AUG-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21d	Sample logging - ClientBarCode Dup
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
BAG-06	Double Bagging Coarse Rejects
SPL-21d	Split sample - duplicate
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31d	Pulverize Split - duplicate

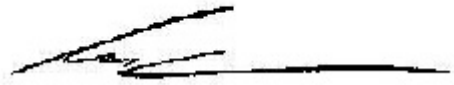
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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Finalized Date: 4-SEP-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15127538

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
K289899		2.17	<0.005	0.07	7.96	14.8	1790	1.37	0.08	1.89	0.09	38.2	8.2	11	19.85	8.6
K289900		0.39	0.807	12.25	6.76	1635	280	1.59	11.70	1.91	32.3	47.4	16.2	20	13.05	293
K291251		0.95	1.010	8.99	5.49	278	50	1.22	5.72	1.98	48.0	40.6	64.2	8	10.25	170.0
K291252		7.26	0.023	0.19	7.37	22.4	3550	1.51	0.33	2.73	0.11	44.0	8.1	10	14.90	9.3
K291253		2.52	0.311	0.93	7.29	1980	1930	1.54	1.77	2.85	0.81	44.3	7.8	10	18.15	25.3
K291254		7.45	0.041	0.08	7.76	10.7	1970	1.46	0.15	2.65	0.23	45.1	8.1	10	16.55	6.4
K291255		<0.02	0.427	0.14	7.89	8.2	2170	1.52	0.15	2.61	0.17	51.9	8.1	9	16.10	5.6
K291256		1.65	0.294	2.03	7.35	172.5	490	1.56	1.73	1.29	5.48	48.3	8.4	8	15.05	44.8
K291257		5.96	<0.005	0.11	7.55	8.3	1110	1.49	0.15	1.62	0.13	40.7	6.7	9	12.50	8.3
K291258		4.86	0.151	3.92	6.15	562	950	1.26	0.39	2.71	5.77	43.0	6.5	7	13.55	37.2
K291259		5.18	<0.005	0.02	0.05	0.9	20	0.07	0.02	20.3	0.07	1.02	0.5	1	0.14	1.6
K291260		8.11	0.045	1.93	7.05	104.0	880	1.53	1.63	2.13	2.43	42.9	6.1	10	15.00	186.5
K291261		8.08	0.210	3.44	6.89	115.0	2610	1.43	6.71	3.34	0.42	47.9	11.1	10	14.95	463
K291262		6.39	0.145	2.07	7.35	38.2	1820	1.42	10.05	2.45	0.13	38.2	6.5	11	16.10	157.5
K291263		1.42	0.021	2.53	7.03	220	1430	1.38	0.20	2.59	27.9	41.6	7.4	9	15.25	30.2
K291264		3.94	0.006	0.42	6.29	58.1	2510	1.51	0.26	3.39	1.17	42.4	9.2	9	17.25	15.9
K291265		5.71	0.044	1.86	4.95	209	1540	1.39	0.32	4.53	8.58	37.2	7.9	7	15.05	25.5
K291266		3.88	0.010	0.57	6.34	89.7	330	1.92	0.17	4.76	0.60	61.6	6.8	14	18.50	9.8
K291267		3.73	0.024	1.11	7.49	92.0	1100	2.81	0.46	4.94	1.42	65.6	7.5	14	27.1	11.1
K291268		1.53	0.133	1.04	8.23	58.1	750	2.31	0.78	2.75	2.45	71.9	7.8	27	21.5	13.9
K291269		1.16	0.006	0.25	6.78	104.5	760	1.81	0.25	3.22	0.17	45.4	7.3	7	18.80	10.7
K291270		0.72	0.005	1.32	6.67	97.4	500	1.90	0.15	3.09	0.16	44.8	7.8	8	19.30	13.1
K291271		0.83	0.054	1.83	6.28	303	690	1.55	0.23	3.89	3.94	49.1	8.3	7	15.05	25.5
K291272		2.87	<0.005	0.10	6.74	7.8	1910	1.57	0.13	2.46	0.12	40.1	8.1	11	15.60	9.1
K291273		7.56	<0.005	0.40	9.09	54.3	1800	2.10	1.16	0.35	1.70	59.1	9.8	10	30.0	19.5
K291274		9.17	<0.005	0.31	8.19	57.9	1990	1.84	0.26	0.44	1.97	55.7	10.3	9	19.05	18.0
K291275		0.33	0.334	4.72	6.65	691	460	1.58	3.57	2.02	11.25	52.9	13.2	25	14.40	316
K291276		9.58	<0.005	0.17	8.39	52.6	1890	1.47	0.25	0.22	1.53	49.5	7.7	9	18.45	35.7
K291277		6.75	<0.005	0.22	7.97	18.0	2070	1.77	0.64	0.76	0.80	50.4	10.5	8	15.85	68.8
K291278		1.63	<0.005	0.48	8.21	65.1	1600	1.66	2.04	0.30	2.73	51.6	11.4	8	22.9	53.3
K291279		2.21	<0.005	0.27	6.89	17.4	1530	1.76	0.64	3.16	0.17	42.7	8.4	9	19.05	7.7
K291280		3.03	0.063	2.25	5.77	302	330	1.27	1.23	3.98	22.3	39.3	10.3	7	18.25	51.2
K291281		5.19	<0.005	0.01	0.08	<0.2	20	0.08	0.03	19.95	0.07	1.30	0.7	<1	0.22	2.2
K291282		3.56	<0.005	0.48	6.95	49.1	400	1.51	0.51	2.70	2.66	47.5	6.3	8	13.85	26.9
K291283		2.14	0.384	3.72	4.10	850	100	0.71	8.79	3.44	10.90	16.85	20.6	6	8.39	28.6
K291284		5.02	<0.005	0.20	6.60	52.1	910	1.50	0.42	2.09	0.38	43.4	7.2	8	19.75	17.1

***** See Appendix Page for comments regarding this certificate *****

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 4-SEP-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15127538

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
K289899		3.07	17.90	0.08	1.3	0.043	2.47	17.4	32.8	0.71	755	0.97	0.19	8.0	3.0	690
K289900		6.62	15.45	0.07	1.1	0.784	2.87	24.8	17.9	0.79	1800	8.14	0.13	6.2	12.4	540
K291251		12.10	14.20	0.09	0.8	0.202	2.47	20.4	25.1	0.77	1260	1.13	0.04	5.1	3.4	440
K291252		3.47	16.25	0.09	1.2	0.042	2.61	21.9	18.2	0.84	930	0.85	1.27	7.6	3.2	680
K291253		3.97	16.60	0.10	1.2	0.047	2.80	22.0	23.3	0.75	881	0.85	0.60	7.4	2.8	650
K291254		3.33	16.80	0.13	1.2	0.057	2.67	22.2	63.8	0.85	1210	0.65	0.17	7.8	2.7	690
K291255		3.31	16.40	0.10	1.1	0.053	2.66	26.9	52.5	0.85	1160	0.91	0.21	7.5	2.6	670
K291256		5.01	16.55	0.11	1.2	0.181	3.40	24.9	10.4	0.73	1480	1.20	0.03	7.3	3.1	640
K291257		3.15	16.55	0.12	1.3	0.037	2.63	19.1	42.2	0.72	1220	4.22	0.05	7.8	2.4	620
K291258		3.99	13.10	0.09	0.9	0.157	2.54	23.7	17.8	0.97	4600	8.66	0.02	5.7	2.5	500
K291259		0.46	0.17	<0.05	<0.1	<0.005	0.02	0.5	0.9	12.70	206	0.10	<0.01	0.1	1.4	160
K291260		3.61	15.50	0.10	1.1	0.208	3.42	21.7	14.7	0.92	2210	1.68	0.04	7.1	2.4	610
K291261		3.82	14.30	0.11	1.1	0.157	3.09	26.5	22.5	1.23	2120	0.92	0.04	6.5	2.7	560
K291262		3.35	16.45	0.10	1.1	0.090	3.18	18.3	42.4	0.82	1300	1.38	0.11	7.5	2.7	650
K291263		3.96	15.25	0.09	1.0	0.092	3.25	21.6	20.1	0.95	6280	1.04	0.04	6.7	2.7	580
K291264		3.01	15.10	0.08	1.1	0.050	2.75	21.5	48.5	0.89	1880	1.62	0.04	7.6	2.6	580
K291265		2.95	11.30	0.08	1.1	0.082	1.98	20.9	29.8	1.34	3150	4.25	0.02	5.5	2.8	440
K291266		2.72	16.60	0.11	3.1	0.031	2.49	32.2	51.2	1.62	1760	2.11	0.04	9.7	5.2	970
K291267		2.58	22.4	0.12	3.2	0.052	2.57	30.0	43.3	1.51	1250	3.74	0.07	15.2	4.0	1090
K291268		2.55	23.4	0.11	4.2	0.072	1.80	34.1	166.0	0.99	795	2.00	0.03	15.4	8.1	1570
K291269		2.79	15.40	0.10	1.0	0.043	2.88	24.1	49.7	1.06	1580	1.16	0.04	7.3	2.2	580
K291270		2.78	15.70	0.09	1.1	0.044	2.79	22.8	63.4	1.00	1540	1.20	0.04	7.8	2.6	610
K291271		3.97	14.85	0.09	1.0	0.091	3.09	26.4	22.5	1.22	5810	2.12	0.03	6.8	2.4	540
K291272		3.11	15.95	0.09	1.1	0.038	2.74	19.2	41.4	0.77	742	0.90	1.24	7.8	2.5	610
K291273		3.87	20.7	0.10	1.6	0.104	2.54	33.6	254	0.20	1200	7.33	0.15	9.8	2.7	890
K291274		3.65	19.05	0.10	1.5	0.050	2.61	29.5	36.3	0.24	1510	6.32	0.60	9.5	2.8	790
K291275		5.00	16.20	0.10	1.1	0.317	2.97	30.2	28.6	0.78	1850	15.20	0.15	6.6	14.6	510
K291276		2.92	18.10	0.07	1.5	0.047	2.16	25.7	41.2	0.11	657	5.12	0.05	9.1	2.0	760
K291277		3.68	17.65	0.08	1.5	0.059	2.50	20.3	27.8	0.58	464	2.07	0.59	8.8	2.7	760
K291278		3.46	18.65	0.08	1.3	0.050	2.59	30.7	97.4	0.25	2190	10.75	0.08	8.8	3.2	760
K291279		3.62	16.00	0.08	0.9	0.058	2.92	21.3	33.2	0.90	1690	0.42	0.61	7.7	2.6	630
K291280		5.88	14.50	0.08	0.8	1.040	2.53	21.0	17.0	1.14	4250	2.03	0.02	5.9	2.7	470
K291281		0.47	0.22	0.10	<0.1	<0.005	0.03	0.6	1.2	12.70	200	0.18	0.01	0.2	1.5	180
K291282		3.75	14.80	0.10	1.0	0.163	2.41	25.5	70.5	1.08	2300	3.79	0.03	7.5	2.1	570
K291283		9.34	10.15	0.06	0.5	0.323	1.89	8.8	12.1	1.25	5240	0.85	0.02	4.1	2.0	300
K291284		4.20	16.05	0.09	1.0	0.130	2.65	22.3	71.6	0.92	2020	2.97	0.03	7.6	2.4	580

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 4-SEP-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15127538

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
K289899		14.7	77.7	<0.002	0.10	8.45	12.2	1	2.0	152.5	0.61	<0.05	9.0	0.310	1.47	3.6
K289900		1320	169.0	0.002	4.70	69.9	9.6	2	8.2	100.0	0.50	1.13	12.5	0.204	2.46	5.1
K291251		2590	133.0	<0.002	9.97	10.65	8.9	1	6.4	72.9	0.40	1.39	8.0	0.198	1.56	6.5
K291252		22.7	106.5	<0.002	0.53	5.21	11.7	<1	2.3	275	0.56	<0.05	9.6	0.301	1.36	2.8
K291253		58.8	116.5	<0.002	1.17	15.20	11.8	1	4.2	215	0.55	<0.05	9.0	0.281	1.50	3.2
K291254		12.3	103.0	<0.002	0.17	11.85	12.2	1	2.0	176.0	0.59	<0.05	9.8	0.303	1.67	2.7
K291255		10.8	113.5	<0.002	0.16	11.40	12.1	1	1.8	178.0	0.60	<0.05	12.7	0.293	1.58	2.7
K291256		230	208	<0.002	2.82	20.8	13.4	1	7.9	52.6	0.64	<0.05	11.9	0.285	2.26	6.5
K291257		18.1	110.0	<0.002	0.11	12.90	11.1	1	1.9	108.5	0.77	<0.05	13.2	0.270	1.50	3.2
K291258		360	160.0	<0.002	1.69	36.0	9.3	1	3.3	97.8	0.47	<0.05	12.1	0.220	2.02	5.6
K291259		2.0	1.0	<0.002	<0.01	0.13	0.1	<1	<0.2	45.6	<0.05	<0.05	<0.2	<0.005	0.02	0.6
K291260		83.0	151.5	<0.002	0.44	40.6	10.6	1	2.7	95.4	0.57	<0.05	11.6	0.271	2.40	4.3
K291261		31.3	173.5	<0.002	0.68	78.3	10.1	1	2.0	117.5	0.52	<0.05	13.0	0.240	2.74	4.1
K291262		22.5	123.5	<0.002	0.21	18.20	10.9	<1	2.2	170.5	0.59	<0.05	11.2	0.282	2.11	3.5
K291263		470	158.0	<0.002	0.98	22.9	10.9	1	3.0	134.0	0.53	<0.05	11.8	0.250	2.62	4.5
K291264		49.0	102.5	<0.002	0.42	16.30	10.9	1	2.0	146.5	0.62	<0.05	11.0	0.263	2.27	5.0
K291265		334	117.0	<0.002	0.44	36.9	7.3	1	1.4	162.5	0.42	<0.05	8.4	0.179	2.06	7.2
K291266		28.8	111.5	<0.002	0.19	24.0	6.7	1	1.2	464	0.65	<0.05	8.8	0.272	2.87	9.9
K291267		105.5	43.1	<0.002	0.29	13.40	6.9	1	1.9	323	1.05	<0.05	9.2	0.324	2.87	7.0
K291268		57.7	44.7	<0.002	0.24	17.00	8.5	1	1.8	581	1.03	<0.05	10.1	0.443	2.03	6.0
K291269		15.1	116.5	<0.002	0.16	8.05	10.8	1	1.8	184.0	0.57	<0.05	11.4	0.259	2.55	4.0
K291270		13.2	99.1	<0.002	0.16	8.46	11.5	1	1.9	187.0	0.60	<0.05	11.0	0.270	2.47	4.1
K291271		197.0	179.5	<0.002	0.90	21.9	10.3	1	2.3	119.0	0.53	<0.05	12.0	0.230	3.00	4.7
K291272		16.5	93.9	<0.002	0.05	4.49	11.1	1	1.7	301	0.58	<0.05	11.0	0.276	1.51	3.5
K291273		27.0	133.0	<0.002	<0.01	25.9	16.8	1	3.6	109.5	0.77	<0.05	15.0	0.350	1.95	5.4
K291274		16.1	122.5	<0.002	<0.01	14.60	14.9	1	1.9	108.0	0.76	<0.05	15.4	0.312	1.87	5.1
K291275		463	169.5	0.004	2.69	29.4	10.0	2	5.7	110.0	0.54	0.30	12.8	0.208	2.62	5.7
K291276		14.0	102.0	<0.002	0.02	29.7	13.7	1	2.0	52.0	0.72	<0.05	15.6	0.310	1.54	4.3
K291277		21.1	109.5	<0.002	<0.01	8.04	14.1	1	2.3	149.0	0.72	<0.05	14.2	0.303	1.33	3.2
K291278		25.7	132.5	<0.002	0.01	29.9	14.1	1	2.0	65.6	0.72	0.09	13.3	0.306	2.47	5.0
K291279		20.0	128.0	<0.002	0.16	5.75	11.7	1	2.3	205	0.57	<0.05	10.0	0.291	2.11	3.8
K291280		443	161.0	<0.002	2.45	24.7	10.2	1	3.2	109.0	0.46	<0.05	10.0	0.212	2.24	9.9
K291281		1.4	1.6	<0.002	0.01	0.13	0.2	<1	<0.2	46.6	<0.05	<0.05	<0.2	<0.005	0.02	1.0
K291282		96.3	130.0	<0.002	0.20	14.90	10.7	1	2.2	122.5	0.63	0.05	13.0	0.254	2.18	4.3
K291283		347	119.0	<0.002	7.37	22.8	6.7	1	2.9	51.3	0.33	<0.05	6.5	0.139	1.97	22.7
K291284		20.3	120.5	<0.002	0.32	12.30	11.5	1	2.2	123.0	0.61	<0.05	10.7	0.263	2.20	3.3

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 4-SEP-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15127538

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	V	W	Y	Zn	Zr
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	1	0.1	0.1	2	0.5
K289899		91	3.9	12.6	60	30.0
K289900		64	6.0	11.1	2410	28.0
K291251		62	8.9	8.8	4370	18.4
K291252		83	1.6	11.4	65	27.8
K291253		81	3.0	12.5	126	26.1
K291254		89	3.7	12.7	71	26.0
K291255		85	3.3	13.2	64	24.3
K291256		95	4.8	11.6	710	21.8
K291257		78	11.1	12.4	58	26.5
K291258		65	5.5	11.3	632	19.5
K291259		2	0.1	0.7	16	<0.5
K291260		77	3.2	12.4	312	24.5
K291261		68	2.7	13.1	110	24.5
K291262		83	3.2	12.5	62	25.9
K291263		78	5.8	13.1	2180	22.6
K291264		72	2.4	14.8	127	27.0
K291265		50	2.6	13.9	870	36.4
K291266		58	8.3	15.6	89	121.0
K291267		63	5.9	14.4	142	107.0
K291268		79	4.5	14.9	319	164.0
K291269		71	5.3	14.3	45	25.4
K291270		74	5.9	14.3	45	28.8
K291271		64	5.5	15.3	351	25.4
K291272		76	1.7	13.7	53	28.5
K291273		107	6.2	24.1	146	42.8
K291274		92	5.0	22.0	145	40.9
K291275		64	5.8	12.7	859	31.0
K291276		83	11.7	18.3	108	41.8
K291277		86	5.8	16.7	139	41.9
K291278		93	9.5	21.4	131	33.8
K291279		80	3.0	13.9	87	23.5
K291280		70	9.5	13.2	2660	20.7
K291281		2	0.1	0.8	17	<0.5
K291282		69	10.0	14.3	364	26.0
K291283		44	4.8	15.6	837	13.9
K291284		74	7.6	13.1	104	24.8

***** See Appendix Page for comments regarding this certificate *****

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: Klaza

Finalized Date: 4-SEP-2015
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH15127538

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	ME-MS61

ALS Canada Ltd.

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Finalized Date: 7-SEP-2015
Account: ROCKHA

CERTIFICATE WH15127543

Project: Klaza

P.O. No.: BATCH 135

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 24-AUG-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21d	Sample logging - ClientBarCode Dup
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
BAG-06	Double Bagging Coarse Rejects
SPL-21d	Split sample - duplicate
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31d	Pulverize Split - duplicate

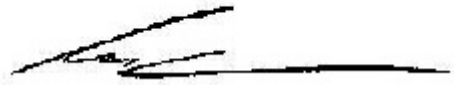
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Pb-OG62	Ore Grade Pb - Four Acid	VARIABLE
Zn-OG62	Ore Grade Zn - Four Acid	VARIABLE
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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CERTIFICATE OF ANALYSIS WH15127543

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
K291079		5.92	<0.005	0.28	7.19	9.5	2460	1.62	0.31	2.39	0.90	44.9	5.9	14	14.90	6.6
K291080		4.53	<0.005	0.14	7.74	9.6	2330	1.44	0.14	1.26	0.31	52.2	5.4	10	16.75	6.7
K291081		9.24	<0.005	0.11	8.22	7.7	1980	1.41	0.18	0.77	0.20	61.6	6.5	10	17.90	8.7
K291082		1.86	<0.005	0.29	7.63	21.7	1920	1.70	0.24	1.31	0.51	54.1	8.2	9	18.80	6.5
K291083		1.18	0.493	74.2	2.62	1215	70	0.89	0.17	1.88	225	6.22	4.7	11	9.92	173.0
K291084		4.95	<0.005	0.12	0.08	3.3	130	0.06	0.02	20.8	0.35	1.42	0.8	1	0.29	1.6
K291085		2.79	0.016	1.47	7.09	21.0	2150	1.59	1.07	1.95	1.26	46.1	13.2	10	16.60	4.8
K291086		4.42	<0.005	0.42	7.66	9.9	2280	1.44	0.39	1.23	0.47	55.8	6.9	10	19.95	6.1
K291087		1.11	1.470	17.60	6.56	549	1660	1.68	0.58	2.06	139.5	40.9	6.5	8	18.75	105.5
K291088		5.70	0.005	0.20	6.90	13.0	2300	1.43	0.22	1.93	0.42	42.1	6.8	9	14.35	4.2
K291089		2.68	<0.005	0.22	7.73	12.3	2380	1.49	0.26	1.91	0.47	52.8	8.8	10	14.90	6.3
K291090		5.82	<0.005	0.15	7.21	5.9	2180	1.62	0.18	2.44	0.15	46.4	7.2	14	14.10	8.8
K291091		9.23	<0.005	0.87	7.42	7.0	2300	1.71	0.16	2.49	0.24	51.2	7.0	15	17.05	10.5
K291092		0.38	1.815	36.9	5.53	2320	410	1.13	34.5	1.56	43.1	35.5	17.2	21	10.00	1160
K291093		2.38	0.032	1.49	6.90	92.8	2110	1.71	0.26	1.41	5.09	38.1	6.4	9	22.8	10.2
K291094		1.40	0.195	21.9	5.77	432	600	1.68	1.05	1.95	38.9	56.8	6.0	9	17.35	48.4
K291095		2.80	0.006	0.61	7.40	22.3	2010	1.69	0.18	2.08	3.22	48.1	6.2	34	18.95	8.0
K291096		3.44	0.010	0.33	7.96	64.0	2270	1.44	0.35	1.14	0.44	48.7	5.2	9	17.70	3.3
K291097		2.40	1.310	8.20	3.65	3950	400	1.04	0.68	3.65	13.15	31.0	7.8	7	9.71	27.2
K291098		4.96	0.005	0.06	0.08	13.4	30	0.05	0.04	20.6	0.10	1.34	0.7	1	0.22	4.1
K291099		1.43	0.021	0.52	7.03	88.7	1470	1.66	0.38	1.82	0.49	42.3	7.8	6	21.0	10.7
K291100		5.95	<0.005	0.17	7.55	10.6	2310	1.52	0.34	1.81	0.17	48.1	8.6	9	10.85	4.2
K291101		1.78	0.011	0.32	6.63	48.2	2110	1.55	0.24	2.92	0.34	45.6	5.8	8	16.85	3.8
K291102		9.95	<0.005	0.13	7.08	11.9	2310	1.67	0.71	2.39	0.08	41.6	6.6	10	11.95	2.7
K291103		<0.02	<0.005	0.15	7.27	12.4	2360	1.64	0.74	2.43	0.13	44.6	7.4	10	12.35	3.2
K291104		1.64	0.127	1.42	6.75	165.5	650	1.48	0.50	2.70	0.65	44.3	13.1	8	16.25	4.9
K291105		2.07	<0.005	0.22	7.50	9.8	2520	1.63	0.42	1.85	0.13	47.1	10.3	10	9.72	6.1
K291106		3.20	<0.005	0.25	7.84	14.5	3030	1.73	0.33	2.42	0.03	32.3	5.8	5	19.95	9.4
K291107		0.36	0.357	4.84	6.79	727	490	1.44	3.47	2.10	10.75	51.9	12.0	24	14.20	309
K291108		1.85	0.005	0.24	7.28	67.4	2700	1.53	0.26	2.57	0.25	50.7	1.5	9	12.30	3.7
K291109		1.91	0.604	3.88	5.46	782	310	1.13	0.28	4.05	1.49	37.1	2.0	8	10.20	41.0
K291110		1.56	0.010	0.39	7.49	95.1	2500	1.66	0.33	2.26	0.34	50.2	8.3	10	13.60	4.0
K291111		8.84	<0.005	0.17	7.18	13.8	2770	1.52	0.54	1.95	0.07	48.7	11.3	12	6.66	3.6
K291112		7.71	<0.005	0.15	7.24	13.8	2810	1.54	0.43	1.75	0.09	49.2	8.2	11	8.50	2.5
K291113		3.34	0.026	2.36	6.94	182.5	700	1.65	0.47	2.76	13.40	49.2	7.8	11	14.45	5.5
K291114		2.65	<0.005	0.13	7.33	8.3	3820	1.56	0.25	1.60	0.15	47.1	5.4	9	13.10	1.7

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CERTIFICATE OF ANALYSIS WH15127543

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
K291079		2.94	16.55	0.09	1.1	0.045	3.08	21.8	14.0	0.68	1040	0.65	2.16	8.4	2.5	580
K291080		3.06	16.70	0.10	1.1	0.051	3.13	27.5	26.8	0.49	1180	0.60	0.94	8.4	2.1	600
K291081		3.02	18.50	0.11	1.2	0.055	2.81	33.5	42.1	0.38	934	0.66	0.40	9.4	2.4	640
K291082		2.77	18.00	0.11	1.2	0.044	3.42	29.3	48.3	0.56	1380	0.93	0.07	8.6	2.5	600
K291083		3.51	6.50	<0.05	0.4	0.134	1.14	1.1	55.4	0.65	1960	18.50	0.02	2.5	2.0	160
K291084		0.47	0.27	0.11	<0.1	<0.005	0.03	0.7	1.3	13.25	208	0.61	0.01	0.2	1.5	170
K291085		2.51	16.25	0.13	1.2	0.045	3.37	22.7	35.1	0.69	1330	1.55	0.47	7.5	2.5	580
K291086		3.27	18.45	0.11	1.2	0.072	3.33	29.0	22.9	0.52	895	1.17	0.43	9.2	2.5	610
K291087		3.61	16.30	0.09	1.1	0.095	3.39	20.2	21.1	0.72	2180	0.86	0.46	7.6	2.4	550
K291088		2.90	16.85	0.09	1.1	0.060	2.98	20.5	17.3	0.58	1060	0.68	1.12	8.5	2.4	570
K291089		3.03	17.65	0.11	1.1	0.063	3.21	27.2	18.0	0.58	1060	1.11	1.23	8.8	2.8	620
K291090		2.81	16.75	0.10	1.3	0.045	2.90	22.8	16.2	0.71	792	1.10	1.79	8.6	2.3	570
K291091		3.07	17.30	0.10	1.3	0.047	2.87	25.6	14.3	0.77	721	0.94	2.02	8.9	2.6	610
K291092		8.65	13.70	0.07	0.8	1.465	2.52	18.8	15.2	0.65	2140	15.60	0.06	4.8	13.7	410
K291093		3.28	16.30	0.07	1.1	0.106	3.69	18.7	45.7	0.50	2830	0.93	0.25	7.9	2.1	530
K291094		5.23	12.35	0.13	0.9	0.267	2.80	31.8	13.9	0.78	4730	1.79	0.04	6.1	5.8	430
K291095		2.93	15.30	0.12	1.1	0.048	3.20	23.8	22.5	0.67	1030	1.46	1.36	8.2	9.4	590
K291096		2.67	15.55	0.12	1.3	0.070	3.40	25.5	47.2	0.45	1650	1.32	0.09	8.4	2.1	610
K291097		4.82	7.91	0.12	0.5	0.138	1.55	17.4	53.3	1.12	7210	2.04	0.02	3.6	2.0	250
K291098		0.49	0.23	0.07	<0.1	<0.005	0.03	0.7	1.2	12.90	228	0.16	0.01	0.2	1.7	190
K291099		2.56	15.20	0.13	1.1	0.093	3.53	20.9	29.0	0.66	2180	1.76	0.47	7.9	2.3	550
K291100		3.03	15.90	0.13	1.1	0.091	3.32	24.2	13.3	0.79	714	1.34	2.09	8.4	2.2	590
K291101		2.99	14.40	0.12	1.1	0.067	4.11	22.6	12.1	0.87	2480	0.95	0.53	7.5	2.4	530
K291102		3.05	15.40	0.11	1.2	0.146	2.99	20.8	15.8	0.71	882	0.60	1.90	8.1	2.1	560
K291103		3.21	15.65	0.11	1.2	0.142	3.00	22.8	16.4	0.73	900	0.61	1.94	8.2	2.3	580
K291104		3.48	13.50	0.11	1.0	0.129	3.84	24.0	17.7	0.89	2300	0.59	0.29	7.0	2.5	500
K291105		3.12	14.60	0.12	1.1	0.110	3.56	23.8	10.2	0.69	890	0.91	2.04	7.6	2.2	570
K291106		8.86	17.85	0.12	1.8	0.210	4.24	15.7	20.9	1.52	1650	2.35	0.05	4.6	3.7	1120
K291107		5.08	14.40	0.13	1.0	0.300	3.03	29.3	24.5	0.80	1840	13.45	0.15	6.3	14.6	520
K291108		3.16	14.25	0.12	1.3	0.130	4.35	25.6	17.6	0.90	2510	0.49	0.40	8.0	2.3	580
K291109		3.90	11.05	0.10	0.9	0.189	2.63	20.6	15.7	1.16	13150	1.15	0.02	5.7	1.6	410
K291110		3.31	16.05	0.12	1.4	0.121	4.18	24.7	15.0	0.79	2740	1.10	0.96	9.0	2.5	590
K291111		3.28	14.30	0.13	1.2	0.122	3.17	25.9	10.3	0.76	742	0.40	2.16	7.7	2.3	550
K291112		3.36	14.40	0.12	1.1	0.132	3.30	25.3	10.5	0.73	1480	1.00	2.08	7.7	2.2	550
K291113		4.47	14.10	0.13	1.2	0.189	3.41	25.8	22.4	0.92	4820	1.02	0.06	7.2	2.3	540
K291114		3.58	14.20	0.12	1.1	0.105	4.11	24.4	24.3	0.74	1220	0.99	0.88	7.6	2.0	550

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 7-SEP-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15127543

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
K291079		54.7	127.0	<0.002	0.04	5.99	10.7	1	1.7	333	0.65	<0.05	11.7	0.257	1.41	3.6
K291080		22.6	142.5	<0.002	0.03	12.85	11.4	1	1.7	131.5	0.64	<0.05	13.4	0.272	1.58	3.4
K291081		16.4	137.0	<0.002	0.03	24.9	12.6	1	1.8	92.7	0.75	<0.05	15.6	0.284	1.38	3.0
K291082		31.5	176.0	<0.002	0.18	21.4	12.4	1	1.7	75.6	0.71	<0.05	14.6	0.265	2.60	6.0
K291083		>10000	69.4	<0.002	2.70	150.5	4.9	1	2.0	436	0.21	<0.05	2.8	0.080	1.61	3.9
K291084		19.7	1.8	<0.002	<0.01	0.34	0.2	<1	<0.2	49.1	<0.05	<0.05	<0.2	<0.005	0.02	0.4
K291085		95.8	153.0	<0.002	0.26	14.55	9.9	1	1.7	103.0	0.62	0.57	12.0	0.236	2.61	6.9
K291086		43.3	164.5	<0.002	0.09	15.75	12.6	1	2.0	100.0	0.75	0.09	14.6	0.268	2.02	5.7
K291087		2540	152.0	<0.002	1.11	19.80	10.3	1	2.5	121.5	0.62	<0.05	11.5	0.231	2.65	5.1
K291088		34.8	126.5	<0.002	0.11	11.05	10.6	1	1.7	173.0	0.70	<0.05	11.6	0.254	1.69	4.1
K291089		35.6	145.0	<0.002	0.11	11.50	11.7	1	1.8	192.0	0.73	<0.05	14.1	0.267	1.74	5.5
K291090		24.0	116.5	<0.002	0.03	4.02	10.6	1	1.6	282	0.74	<0.05	13.0	0.258	1.35	3.5
K291091		204	120.5	<0.002	0.03	4.14	11.7	1	1.7	314	0.76	<0.05	13.7	0.270	1.37	3.8
K291092		1550	145.0	0.002	7.49	98.2	8.3	2	10.0	60.2	0.39	0.64	9.2	0.160	2.20	5.4
K291093		363	163.5	<0.002	0.51	13.35	10.4	1	2.0	130.5	0.63	0.05	10.6	0.234	2.78	3.8
K291094		9440	163.0	0.002	2.67	30.6	7.6	1	2.7	62.5	0.49	<0.05	13.4	0.186	2.76	5.4
K291095		118.0	124.5	0.002	0.11	9.96	9.4	1	1.7	241	0.65	<0.05	13.9	0.258	1.90	4.7
K291096		41.4	142.5	<0.002	0.61	25.5	9.3	1	2.4	115.0	0.69	<0.05	14.9	0.254	2.19	5.2
K291097		516	92.5	0.002	3.48	91.6	4.8	1	2.5	70.9	0.28	<0.05	7.3	0.111	1.61	15.5
K291098		4.9	1.6	0.002	0.01	0.48	0.2	<1	<0.2	47.6	<0.05	<0.05	0.2	<0.005	<0.02	0.9
K291099		25.7	148.0	0.003	0.63	20.5	9.6	1	2.8	144.5	0.59	<0.05	11.7	0.242	2.72	5.1
K291100		29.3	126.0	0.002	0.04	8.72	9.7	1	1.9	281	0.66	<0.05	13.1	0.257	1.63	3.5
K291101		29.4	153.0	0.003	0.67	12.25	8.6	1	1.7	166.5	0.60	<0.05	11.6	0.231	2.98	5.9
K291102		21.5	108.0	0.002	0.08	10.05	8.9	1	2.2	255	0.65	<0.05	12.2	0.245	1.67	3.8
K291103		23.9	115.0	<0.002	0.09	10.30	9.3	1	2.2	258	0.67	<0.05	13.2	0.251	1.70	3.9
K291104		228	169.5	<0.002	1.96	17.85	8.6	<1	1.8	117.5	0.52	<0.05	12.2	0.221	3.04	4.8
K291105		23.0	132.5	0.002	0.15	5.66	9.3	1	1.7	254	0.57	<0.05	13.2	0.249	1.78	4.2
K291106		8.4	238	<0.002	0.07	11.25	12.7	1	2.1	117.0	0.26	0.11	3.8	0.347	3.57	3.2
K291107		488	162.5	0.006	2.70	29.3	8.5	1	5.9	109.5	0.49	0.36	13.1	0.209	2.57	5.7
K291108		17.8	165.0	0.002	0.63	9.27	9.1	1	1.8	129.5	0.68	<0.05	13.9	0.244	3.01	4.8
K291109		342	146.0	<0.002	2.63	48.5	6.6	1	3.0	58.4	0.48	<0.05	10.6	0.173	2.52	5.2
K291110		35.4	168.0	0.002	0.99	11.35	10.6	1	2.2	170.0	0.75	<0.05	14.2	0.267	2.75	6.1
K291111		17.2	120.5	0.002	0.19	5.14	8.9	1	1.8	234	0.64	0.08	13.7	0.232	1.56	2.9
K291112		14.9	123.5	0.002	0.18	5.56	9.0	1	1.8	213	0.60	<0.05	14.1	0.238	1.78	5.1
K291113		386	149.0	0.002	1.97	17.40	9.0	1	2.2	95.2	0.60	<0.05	13.2	0.225	2.74	7.4
K291114		10.5	157.5	0.002	0.14	10.60	9.0	1	1.7	167.5	0.60	<0.05	15.0	0.232	2.50	7.8

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 7-SEP-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15127543

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Pb-OG62	Zn-OG62
	Analyte	V	W	Y	Zn	Zr	Pb	Zn
	Units	ppm	ppm	ppm	ppm	ppm	%	%
	LOR	1	0.1	0.1	2	0.5	0.001	0.001
K291079		66	4.4	16.0	106	28.6		
K291080		70	3.9	17.6	74	28.3		
K291081		69	7.5	18.1	62	31.3		
K291082		75	2.7	16.7	82	29.5		
K291083		31	2.3	6.2	>10000	9.6	1.395	1.395
K291084		2	0.1	0.9	36	<0.5		
K291085		66	3.2	15.2	129	29.1		
K291086		72	3.4	19.0	86	30.7		
K291087		64	3.7	15.3	7640	26.7		
K291088		67	3.0	15.0	70	28.3		
K291089		72	3.2	17.2	75	27.2		
K291090		68	2.1	16.2	56	32.0		
K291091		73	2.1	17.4	66	32.6		
K291092		53	7.2	9.6	3200	22.3		
K291093		63	2.9	13.3	429	27.2		
K291094		53	6.8	12.2	2670	21.7		
K291095		71	2.3	16.1	273	26.5		
K291096		61	4.2	13.8	80	32.8		
K291097		38	3.2	12.2	1280	15.3		
K291098		2	0.1	0.8	20	<0.5		
K291099		65	2.7	13.0	141	28.8		
K291100		69	2.1	14.8	72	30.3		
K291101		63	2.8	14.6	68	29.4		
K291102		69	2.0	13.8	60	30.9		
K291103		70	2.0	14.8	61	30.8		
K291104		60	2.5	12.9	60	26.2		
K291105		67	1.6	14.3	64	29.8		
K291106		142	3.3	15.9	131	64.0		
K291107		67	6.0	12.3	882	29.9		
K291108		67	2.3	14.0	73	32.5		
K291109		48	7.6	12.8	197	23.8		
K291110		75	3.4	15.8	91	38.2		
K291111		64	2.7	13.6	53	28.8		
K291112		65	3.8	13.9	52	28.3		
K291113		65	5.2	14.7	939	30.8		
K291114		64	6.9	13.3	62	30.1		

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: Klaza

Finalized Date: 7-SEP-2015
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH15127543

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	ME-MS61	ME-OG62	Pb-OG62
Zn-OG62			

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 4-SEP-2015
Account: ROCKHA

CERTIFICATE WH15127546

Project: Klaza

P.O. No.: BATCH 136

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 24-AUG-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21d	Sample logging - ClientBarCode Dup
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
BAG-06	Double Bagging Coarse Rejects
SPL-21d	Split sample - duplicate
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31d	Pulverize Split - duplicate

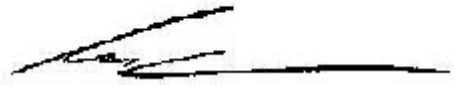
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.

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Finalized Date: 4-SEP-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15127546

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
K291115		2.25	0.010	0.46	6.23	19.0	3740	1.36	0.40	1.32	1.47	38.9	11.7	10	8.51	8.5
K291116		4.92	<0.005	0.13	6.63	12.9	3860	1.46	0.29	1.44	0.14	47.7	8.8	10	11.75	3.7
K291117		1.44	<0.005	0.29	6.16	66.3	3240	1.68	0.29	2.31	0.18	44.9	3.7	6	18.95	3.0
K291118		8.92	<0.005	0.21	6.38	16.7	3280	1.55	0.33	2.45	0.19	42.8	5.9	9	12.50	3.9
K291119		1.73	0.104	1.27	6.48	330	730	1.50	0.37	1.83	2.25	47.6	4.8	9	13.25	4.1
K291120		1.82	1.010	4.38	5.93	2300	240	1.41	0.33	2.61	15.15	39.0	4.9	7	17.50	13.6
K291121		5.53	0.060	2.65	6.76	374	1040	1.61	0.44	2.29	16.00	50.5	8.0	6	18.35	19.0
K291122		1.99	2.22	1.99	5.87	2210	2190	1.70	0.20	2.29	0.60	35.0	6.7	9	17.00	11.9
K291123		3.65	0.561	2.11	5.97	1000	1720	1.38	0.20	2.10	1.58	34.4	6.1	8	16.35	19.5
K291124		<0.02	0.552	1.39	6.17	1025	1820	1.47	0.22	2.19	1.09	36.7	6.8	9	16.60	16.6
K291125		2.47	0.009	0.22	6.84	23.3	2410	1.27	0.36	1.83	0.22	42.5	38.8	10	9.88	10.7
K291126		1.79	<0.005	0.19	7.15	16.1	1570	1.40	0.17	1.45	0.18	49.2	5.6	8	18.70	17.3
K291127		2.79	0.462	3.27	4.84	558	500	1.38	0.16	2.55	0.86	35.9	4.1	6	15.85	30.3
K291128		8.58	<0.005	0.12	6.90	13.2	2080	1.56	0.23	2.04	0.14	44.4	4.7	10	11.85	11.6
K291129		4.14	<0.005	0.10	7.05	10.9	2090	1.42	0.23	1.93	0.12	46.8	5.1	11	11.90	13.3
K291130		12.26	<0.005	0.10	6.42	7.6	2160	1.55	0.24	2.40	0.10	40.0	5.1	10	10.60	9.5
K291131		11.02	<0.005	0.27	6.18	8.8	1780	1.67	0.33	2.33	0.84	41.8	6.1	12	11.50	15.2
K291132		7.90	<0.005	0.12	6.67	10.8	1970	1.63	0.19	2.43	0.13	45.5	6.4	11	12.75	13.1
K291133		6.30	<0.005	0.13	6.60	26.5	2160	1.65	0.19	2.42	0.13	39.7	5.4	11	13.65	12.9
K291134		0.34	1.855	38.1	5.21	2100	80	1.16	33.4	1.57	44.2	32.1	17.2	21	10.20	1140
K291135		2.86	0.012	0.28	6.42	43.2	2720	1.55	0.23	2.29	0.23	42.0	1.8	9	12.10	4.9
K291136		1.52	0.639	7.80	5.60	3680	680	1.15	0.21	2.52	29.7	34.8	7.6	7	6.56	23.7
K291137		3.30	0.063	0.78	6.29	154.0	1530	1.59	0.35	2.69	3.68	38.7	4.8	8	12.15	15.9
K291138		1.62	0.112	1.18	5.92	423	770	1.11	0.35	1.95	3.65	26.9	6.1	8	6.06	13.2
K291139		4.97	<0.005	0.04	0.13	6.5	40	0.09	0.05	19.40	0.13	1.54	0.9	1	0.25	3.3
K291140		2.80	0.046	0.88	6.33	345	1030	1.38	0.16	3.03	4.18	42.8	3.2	9	9.65	8.9
K291141		1.46	1.520	21.7	5.72	4010	190	1.27	1.94	1.99	50.0	30.4	61.9	9	8.32	39.2
K291142		5.13	0.005	0.09	0.07	12.7	30	<0.05	0.03	20.0	0.24	1.23	0.9	1	0.15	2.8
K291143		3.92	0.012	0.76	6.13	54.3	1740	1.42	0.31	2.62	3.23	40.3	36.5	8	12.25	11.7
K291144		1.86	<0.005	0.18	6.27	9.9	2200	1.61	0.26	2.29	0.14	41.8	6.8	9	8.87	8.5
K291145		0.34	0.321	4.36	5.95	580	440	1.34	3.23	1.85	9.88	45.1	11.9	22	12.85	292
K291146		2.14	<0.005	0.16	6.71	14.9	2040	1.70	0.15	2.31	0.29	45.0	6.8	11	11.50	14.0
K291147		1.23	0.468	48.8	5.72	736	1090	1.59	2.92	3.18	47.7	39.3	11.1	14	22.8	144.5
K291148		2.11	<0.005	0.25	6.43	12.6	1850	1.54	0.21	2.39	0.24	38.8	5.9	10	10.95	10.4
K291149		7.87	0.009	0.52	7.45	72.5	460	1.62	0.65	0.32	3.18	36.4	6.2	8	10.45	10.7
K291150		14.49	0.120	2.93	6.34	190.5	1260	1.58	1.49	0.16	5.26	42.2	3.7	6	15.95	49.4

***** See Appendix Page for comments regarding this certificate *****

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VANCOUVER BC V6B 1L8

Finalized Date: 4-SEP-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15127546

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
K291115		4.25	14.05	0.16	1.0	0.163	3.29	19.4	11.5	0.62	1600	1.51	1.32	6.9	6.0	490
K291116		3.95	15.20	0.18	1.2	0.148	3.28	24.2	9.1	0.65	1220	0.62	1.55	7.8	2.9	560
K291117		3.42	16.00	0.19	1.2	0.144	4.08	22.6	16.5	0.80	1860	0.98	0.15	8.7	2.9	660
K291118		3.67	16.80	0.20	1.2	0.147	3.80	21.6	21.0	0.81	1450	1.57	0.12	8.6	2.5	630
K291119		4.34	16.30	0.20	1.2	0.145	3.02	27.3	23.7	0.71	2400	1.08	0.03	7.5	2.8	500
K291120		4.44	15.95	0.16	1.0	0.168	2.79	20.1	17.2	0.86	4600	2.47	0.02	7.0	2.3	520
K291121		4.09	17.60	0.18	1.1	0.169	2.96	27.3	24.0	0.89	2700	2.26	0.02	7.4	2.6	600
K291122		2.62	15.95	0.18	1.2	0.068	3.67	17.5	34.5	0.64	6980	1.38	0.07	7.6	2.6	500
K291123		2.77	15.10	0.18	1.0	0.089	3.63	17.4	44.8	0.62	6090	1.81	0.20	7.0	2.1	490
K291124		2.88	15.85	0.18	1.1	0.091	3.86	18.9	45.2	0.65	5550	1.62	0.20	7.5	2.3	510
K291125		3.23	16.00	0.20	1.2	0.103	3.34	21.3	16.6	0.65	782	5.34	1.86	8.0	2.5	560
K291126		2.49	17.20	0.20	1.3	0.083	3.22	25.8	27.1	0.56	1070	0.89	0.45	8.3	2.1	570
K291127		2.22	12.05	0.16	0.8	0.101	2.23	20.2	48.2	0.81	2830	1.29	0.03	5.2	1.9	370
K291128		2.84	17.50	0.20	1.3	0.104	3.15	21.9	16.5	0.63	805	1.04	1.56	8.6	2.5	590
K291129		2.84	17.30	0.21	1.2	0.100	3.11	24.0	16.5	0.63	779	0.95	1.42	8.4	2.5	570
K291130		2.80	16.75	0.18	1.2	0.137	2.89	19.2	12.7	0.69	666	1.35	1.91	8.2	2.4	540
K291131		2.76	16.05	0.18	1.2	0.283	2.76	19.8	15.0	0.65	826	1.19	1.75	8.3	2.4	530
K291132		2.93	16.70	0.21	1.4	0.088	3.03	21.8	9.9	0.73	885	1.48	1.90	8.7	2.6	620
K291133		2.78	16.25	0.20	1.5	0.072	3.30	19.3	10.8	0.62	876	0.97	1.57	8.5	2.4	550
K291134		8.73	14.30	0.16	0.8	1.570	2.48	16.1	16.4	0.63	2230	17.60	0.06	4.9	14.9	420
K291135		3.04	15.85	0.19	1.4	0.170	3.60	21.4	19.0	0.74	2220	0.75	0.06	8.4	2.2	530
K291136		4.13	15.40	0.15	1.2	0.315	2.39	18.9	15.2	0.97	3990	1.99	0.09	6.5	2.1	350
K291137		3.52	15.50	0.17	1.3	0.587	3.07	20.5	10.4	0.82	3510	2.84	0.03	8.1	2.1	470
K291138		4.53	16.75	0.16	1.1	0.731	2.40	15.6	9.8	0.87	3450	1.77	0.13	6.7	2.3	300
K291139		0.48	0.43	0.10	<0.1	0.011	0.05	0.8	1.0	12.15	222	0.17	0.01	0.2	1.5	230
K291140		3.27	14.60	0.18	1.3	0.509	3.26	22.5	8.7	0.83	4930	1.65	0.02	8.0	2.0	490
K291141		5.53	15.05	0.16	1.1	1.080	2.53	17.6	11.3	0.71	4420	2.09	0.08	6.9	2.6	320
K291142		0.48	0.24	0.08	<0.1	0.008	0.03	0.6	0.9	12.55	222	0.14	<0.01	0.1	1.4	180
K291143		3.36	14.50	0.18	1.2	0.170	3.49	19.8	16.9	0.59	2260	1.29	0.41	7.4	2.3	520
K291144		3.06	16.15	0.17	1.3	0.136	3.17	20.1	8.0	0.67	785	1.24	1.66	8.1	2.4	530
K291145		4.58	14.40	0.18	1.0	0.289	2.72	26.1	24.6	0.69	1720	14.05	0.14	5.9	14.0	470
K291146		2.56	16.10	0.18	1.5	0.047	2.82	23.2	13.3	0.71	651	1.17	2.10	8.4	2.3	510
K291147		3.93	17.75	0.16	1.3	0.306	2.43	19.1	33.6	0.91	3020	15.55	0.71	6.9	4.5	660
K291148		2.64	16.05	0.18	1.2	0.068	2.64	19.6	9.9	0.62	707	1.39	2.21	7.9	2.3	510
K291149		1.76	17.65	0.14	1.0	0.241	0.86	17.8	47.5	0.24	591	0.54	0.46	8.5	2.1	670
K291150		1.89	14.70	0.15	0.9	0.211	1.71	21.1	87.3	0.16	1190	1.26	0.09	6.8	1.7	420

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Finalized Date: 4-SEP-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15127546

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
K291115		83.6	123.5	0.003	0.28	8.94	9.2	<1	3.4	158.0	0.58	<0.05	11.4	0.201	1.98	2.9
K291116		12.5	144.5	<0.002	0.24	8.38	10.4	1	2.1	159.0	0.66	<0.05	12.7	0.225	2.23	4.1
K291117		14.2	147.0	<0.002	0.59	11.85	9.7	<1	1.7	119.5	0.76	<0.05	11.7	0.240	3.00	13.9
K291118		12.8	131.0	0.002	0.24	11.45	10.3	1	1.7	140.5	0.73	<0.05	11.3	0.246	2.49	2.9
K291119		116.0	160.5	0.002	2.58	20.2	10.2	1	3.9	71.3	0.65	<0.05	14.4	0.219	2.68	8.3
K291120		404	133.0	<0.002	2.98	37.3	9.6	<1	5.3	120.5	0.59	<0.05	10.0	0.221	2.74	6.9
K291121		420	151.5	<0.002	1.63	24.8	10.7	<1	5.8	140.5	0.60	<0.05	11.6	0.236	2.94	4.0
K291122		43.4	139.5	<0.002	1.43	42.1	8.9	<1	2.2	132.0	0.64	<0.05	10.0	0.225	3.00	5.6
K291123		72.8	150.5	<0.002	1.01	35.0	8.7	<1	2.1	152.5	0.59	<0.05	9.9	0.214	2.45	5.2
K291124		66.8	155.0	0.002	1.07	32.8	9.0	<1	2.2	157.0	0.62	<0.05	10.5	0.227	2.60	5.5
K291125		21.0	131.0	<0.002	0.32	7.82	9.8	1	2.6	205	0.65	0.13	11.4	0.243	1.58	3.0
K291126		16.6	144.0	<0.002	0.11	18.05	10.5	<1	2.2	144.5	0.69	<0.05	14.1	0.250	1.80	2.9
K291127		69.3	130.0	<0.002	0.70	55.2	7.3	<1	1.8	95.3	0.43	<0.05	9.8	0.157	1.92	4.2
K291128		18.2	126.5	<0.002	0.06	10.05	10.4	1	2.0	270	0.69	<0.05	11.8	0.254	1.62	3.2
K291129		17.2	134.5	<0.002	0.03	10.40	10.7	1	2.2	252	0.69	<0.05	12.8	0.252	1.53	3.1
K291130		17.8	115.5	0.002	0.02	3.04	9.7	1	1.8	307	0.66	<0.05	10.4	0.241	1.42	3.3
K291131		61.4	111.0	<0.002	0.05	3.46	9.1	1	1.8	291	0.72	<0.05	10.5	0.232	1.57	3.5
K291132		20.5	128.5	<0.002	0.10	5.08	10.5	1	2.1	303	0.73	<0.05	11.3	0.261	1.71	4.1
K291133		18.2	131.5	<0.002	0.18	6.31	9.9	<1	1.8	287	0.75	<0.05	10.7	0.244	1.89	3.8
K291134		1560	142.5	0.003	7.43	101.5	8.2	1	10.8	61.8	0.39	0.74	8.1	0.159	2.15	5.4
K291135		22.0	149.0	0.002	0.88	10.75	9.4	<1	2.0	163.0	0.77	<0.05	12.3	0.228	2.73	5.1
K291136		349	160.5	<0.002	2.33	42.5	8.3	1	5.1	96.8	0.62	0.11	11.2	0.179	2.35	5.7
K291137		101.0	143.5	<0.002	0.86	19.60	8.8	<1	3.9	130.5	0.67	<0.05	11.9	0.232	2.82	4.9
K291138		125.0	155.5	0.002	2.02	20.3	10.8	<1	6.9	82.2	0.56	<0.05	11.0	0.192	2.25	3.3
K291139		4.2	3.1	0.002	0.02	0.31	0.3	<1	0.2	48.2	<0.05	<0.05	0.2	0.005	0.05	0.8
K291140		121.0	151.0	<0.002	1.38	18.40	8.5	<1	3.1	88.3	0.71	<0.05	12.1	0.227	3.09	6.5
K291141		2380	154.0	<0.002	4.44	68.5	11.0	1	7.0	71.9	0.57	0.56	11.3	0.195	2.31	5.1
K291142		10.3	1.6	0.002	0.01	0.33	0.2	<1	<0.2	48.8	<0.05	<0.05	<0.2	<0.005	0.03	0.7
K291143		174.5	145.0	0.002	1.20	13.05	9.3	1	2.1	170.0	0.67	0.13	10.7	0.225	2.34	4.6
K291144		17.6	128.0	0.002	0.09	3.02	9.6	<1	2.1	252	0.70	<0.05	10.4	0.234	1.75	3.3
K291145		425	153.5	0.004	2.44	27.6	8.9	1	5.4	101.0	0.48	0.28	10.7	0.190	2.31	5.0
K291146		21.7	117.5	<0.002	0.11	2.04	9.5	1	1.8	360	0.83	<0.05	12.8	0.227	1.35	4.5
K291147		9270	88.2	0.003	1.69	34.2	9.1	1	3.5	365	0.55	0.26	7.0	0.254	1.91	3.9
K291148		34.9	111.0	0.002	0.20	2.40	9.2	1	2.0	307	0.67	<0.05	11.3	0.231	1.36	3.6
K291149		38.6	60.7	<0.002	0.01	15.00	11.7	1	2.9	58.2	0.74	0.08	16.1	0.246	0.90	3.9
K291150		268	111.5	<0.002	0.02	39.9	9.6	1	2.1	60.7	0.58	0.06	12.5	0.194	1.77	4.9

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CERTIFICATE OF ANALYSIS WH15127546

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	V	W	Y	Zn	Zr
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	1	0.1	0.1	2	0.5
K291115		56	21.6	10.8	156	24.2
K291116		61	12.0	13.0	56	28.2
K291117		63	3.6	14.6	54	31.2
K291118		65	2.7	12.3	62	30.7
K291119		58	3.2	10.9	178	28.4
K291120		59	3.8	10.7	1100	22.9
K291121		68	3.7	11.7	1050	29.5
K291122		61	7.3	12.3	65	31.0
K291123		58	5.6	11.4	267	26.8
K291124		60	5.9	12.1	190	27.4
K291125		64	3.2	13.5	64	29.6
K291126		67	2.4	15.4	54	34.5
K291127		46	2.8	10.7	100	21.2
K291128		68	1.9	15.3	50	32.8
K291129		67	1.9	15.6	50	32.0
K291130		65	1.8	14.7	47	32.1
K291131		62	3.6	14.6	110	32.6
K291132		71	6.6	15.8	53	35.0
K291133		66	2.2	14.5	45	35.9
K291134		54	7.4	8.4	3230	21.1
K291135		59	4.4	13.6	62	34.3
K291136		57	12.1	11.4	2160	28.9
K291137		60	22.6	14.6	417	32.4
K291138		79	30.2	9.5	342	28.6
K291139		3	0.6	0.9	21	<0.5
K291140		55	17.6	14.0	345	32.6
K291141		68	32.9	11.8	3110	27.7
K291142		2	0.3	0.8	28	<0.5
K291143		61	9.4	13.7	303	31.2
K291144		64	3.5	13.8	53	32.4
K291145		59	5.3	11.1	798	27.5
K291146		60	1.5	16.4	54	35.7
K291147		88	9.0	12.0	2760	38.0
K291148		61	1.2	14.4	55	31.8
K291149		78	1.6	17.8	380	26.7
K291150		58	2.9	17.5	466	26.6

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

2103 Dollarton Hwy
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Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: Klaza

Finalized Date: 4-SEP-2015
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH15127546

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	ME-MS61

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 6-SEP-2015
Account: ROCKHA

CERTIFICATE WH15127591

Project: Klaza

P.O. No.: BATCH 137

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 24-AUG-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21d	Sample logging - ClientBarCode Dup
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
BAG-06	Double Bagging Coarse Rejects
SPL-21d	Split sample - duplicate
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31d	Pulverize Split - duplicate

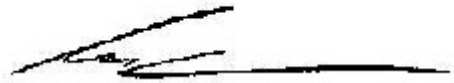
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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VANCOUVER BC V6B 1L8

Finalized Date: 6-SEP-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15127591

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
K291285		2.32	<0.005	1.07	6.74	94.6	1500	1.47	0.42	2.62	0.21	39.1	9.8	10	15.35	37.6
K291286		1.66	0.026	8.98	4.82	1155	350	1.38	0.71	2.96	4.50	20.9	8.9	7	14.50	59.6
K291287		2.34	<0.005	0.30	7.30	33.5	1950	1.60	0.22	2.87	0.17	39.8	9.0	14	11.80	35.0
K291288		1.58	<0.005	3.01	8.18	12.9	1710	1.16	8.36	0.64	0.55	45.7	10.5	10	7.60	701
K291289		1.42	0.037	2.49	6.59	87.0	2910	1.63	6.00	2.68	0.87	52.9	9.6	9	18.25	195.5
K291290		0.98	<0.005	0.28	7.02	29.0	1560	1.64	0.42	2.41	0.40	45.0	7.2	8	17.45	32.4
K291291		3.80	<0.005	0.71	7.12	65.5	1550	1.47	4.18	3.79	0.62	48.5	7.5	9	11.75	82.3
K291292		1.22	0.185	2.05	3.32	468	160	0.71	0.91	3.39	19.40	14.35	6.4	7	4.69	7.9
K291293		5.17	<0.005	0.02	0.05	0.2	30	<0.05	0.04	21.0	0.11	0.97	0.6	1	0.11	4.8
K291294		3.09	0.018	1.11	6.68	186.0	610	1.45	1.40	2.11	1.56	49.8	7.9	9	13.05	35.9
K291295		0.68	0.063	1.71	5.36	578	370	1.19	0.85	3.79	1.29	28.9	5.4	7	8.68	20.7
K291296		0.98	0.013	0.87	7.07	141.5	830	1.53	1.28	1.24	1.15	53.1	8.9	9	13.25	40.6
K291297		<0.02	0.011	0.86	7.18	129.5	850	1.48	1.31	1.22	1.06	55.2	8.8	9	13.45	36.2
K291298		1.14	<0.005	1.18	7.28	58.8	1750	1.82	2.88	2.10	0.66	36.7	9.2	10	8.04	176.5
K291299		1.27	<0.005	0.17	7.18	20.1	1100	1.32	0.28	2.12	0.15	38.2	7.4	9	17.90	13.7
K291300		1.14	0.316	2.08	3.86	269	590	1.05	0.36	5.07	24.8	16.30	13.7	9	8.61	20.9
K291301		1.00	0.029	1.36	6.30	190.0	1340	1.78	0.23	3.29	5.83	47.1	7.0	7	18.10	17.0
K291302		1.79	0.086	3.02	7.22	604	530	1.74	0.98	2.78	2.83	45.1	9.5	8	14.00	55.9
K291303		0.34	1.775	39.1	5.57	2490	170	1.36	37.9	1.64	46.2	35.3	17.7	22	9.14	1135
K291304		6.34	0.010	0.59	7.23	111.0	640	1.53	0.45	2.23	1.52	43.4	8.3	10	17.00	29.9
K291305		1.21	0.092	2.68	3.95	265	450	1.05	1.05	4.43	5.69	25.2	11.7	5	8.58	28.0
K291306		1.72	0.007	0.47	7.30	91.5	1940	1.56	0.56	1.76	0.69	36.0	8.2	8	19.55	51.0
K291307		1.35	<0.005	0.41	7.17	24.1	1560	1.67	0.27	1.99	0.37	31.4	8.6	8	16.85	35.7
K291308		0.61	<0.005	0.32	7.58	22.7	1650	1.53	0.52	2.12	0.39	42.1	8.4	8	19.00	45.7
K291309		1.29	<0.005	0.08	7.79	5.7	1890	1.73	0.07	2.35	0.10	41.6	7.4	11	17.50	20.0
K291310		1.48	<0.005	0.49	6.87	24.3	1080	1.71	0.20	2.84	0.87	53.3	6.3	9	11.20	36.8
K291311		0.34	0.364	4.54	6.59	705	530	1.53	3.05	2.01	11.25	49.6	12.3	25	12.20	304
K291312		2.02	0.049	1.28	6.24	310	1360	1.45	0.71	3.05	2.39	37.4	12.7	8	13.15	21.3
K291313		3.99	0.037	1.50	6.21	81.9	580	1.37	0.68	2.17	8.63	44.6	7.5	8	14.20	36.5
K291314		3.64	<0.005	0.29	5.86	18.2	370	1.59	0.17	2.33	1.01	40.4	5.6	7	12.75	9.0
K291315		6.48	<0.005	0.12	7.99	10.0	1900	1.72	0.09	1.11	0.23	41.5	9.0	9	13.35	10.6
K291316		3.06	0.008	0.24	7.50	17.6	1850	1.62	0.14	1.46	0.42	46.4	8.3	8	11.90	33.2
K291317		4.22	4.88	4.85	7.24	328	860	1.53	1.56	0.97	2.32	36.7	17.5	8	12.65	13.2
K291318		4.93	0.007	0.01	0.09	1.4	40	0.05	0.03	21.0	0.06	1.04	0.6	1	0.16	1.2
K291319		4.55	0.311	5.88	7.32	110.5	990	1.46	0.96	1.35	3.65	54.7	9.6	8	13.60	66.3
K291320		1.78	0.005	0.20	7.01	28.3	1440	1.62	0.13	3.61	0.21	45.2	9.8	9	16.40	1.9

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 6-SEP-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15127591

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
K291285		3.15	14.85	0.15	1.0	0.050	2.84	18.7	11.1	0.75	1480	3.06	1.01	7.4	2.7	630
K291286		4.02	11.25	0.11	0.6	0.538	2.18	9.4	16.8	0.97	3280	28.0	0.02	3.4	3.2	280
K291287		3.42	15.80	0.19	1.1	0.051	2.72	18.9	9.2	0.82	1160	1.47	1.66	7.7	2.8	650
K291288		3.64	17.00	0.17	1.2	0.241	2.36	22.8	40.9	0.89	674	3.23	0.08	8.6	3.3	740
K291289		4.03	16.55	0.17	0.9	0.249	2.97	30.3	20.7	1.08	2810	3.37	0.05	5.9	3.0	500
K291290		3.26	15.25	0.17	1.2	0.116	3.21	23.0	69.0	0.83	2020	0.88	0.09	7.4	2.6	610
K291291		3.60	14.45	0.19	1.3	0.073	2.13	26.2	87.2	1.24	1770	1.21	0.05	7.3	2.4	580
K291292		5.39	6.80	0.08	0.5	0.150	1.49	7.0	29.7	1.24	2600	1.58	0.01	2.9	2.6	210
K291293		0.50	0.21	0.28	<0.1	<0.005	0.02	0.5	1.2	13.30	210	0.11	<0.01	0.2	1.4	170
K291294		4.75	13.55	0.15	1.1	0.287	2.96	27.2	27.0	1.01	3540	1.83	0.02	6.5	2.6	570
K291295		5.48	10.90	0.11	0.8	0.189	2.51	12.7	13.1	1.46	6290	6.47	0.02	4.8	2.2	420
K291296		5.55	15.20	0.12	1.0	0.215	3.33	28.1	19.5	0.80	3150	1.11	0.11	6.8	2.6	580
K291297		5.64	15.30	0.13	1.1	0.228	3.43	29.4	17.3	0.82	3170	1.18	0.10	6.8	2.6	590
K291298		4.73	15.25	0.15	1.2	0.162	2.57	18.0	16.8	0.82	659	1.21	1.04	7.7	2.8	640
K291299		2.87	16.00	0.17	1.1	0.046	2.51	18.5	117.5	0.72	968	0.78	0.09	7.2	2.5	610
K291300		7.23	8.10	0.05	0.6	0.395	1.63	8.2	18.6	1.90	16300	0.82	0.02	3.3	2.1	270
K291301		2.74	12.75	0.13	1.0	0.138	2.44	26.2	25.8	1.13	4700	0.71	0.01	5.8	2.1	490
K291302		3.79	15.15	0.15	1.0	0.188	3.22	24.1	21.9	0.96	7320	0.69	0.02	6.6	2.8	570
K291303		8.99	13.20	0.08	0.9	1.605	2.55	17.7	16.3	0.67	2280	15.95	0.06	4.7	14.7	440
K291304		3.61	15.25	0.14	1.1	0.113	2.68	21.8	68.2	0.85	2740	0.89	0.04	7.2	2.6	620
K291305		6.60	8.79	0.08	0.9	0.190	1.75	11.8	22.0	1.55	10350	0.72	0.02	3.6	2.1	300
K291306		3.24	15.20	0.15	1.1	0.072	2.35	17.8	74.8	0.69	2000	1.10	0.05	7.1	2.3	630
K291307		2.89	16.40	0.19	1.1	0.048	2.72	12.4	63.4	0.65	1220	1.39	0.12	7.4	2.7	640
K291308		2.84	17.05	0.19	1.2	0.053	2.83	20.7	72.5	0.67	1080	1.36	0.11	8.0	2.6	670
K291309		3.19	16.65	0.23	1.6	0.044	2.76	20.0	19.0	0.61	603	0.79	1.50	8.6	2.4	700
K291310		3.05	15.30	0.22	1.3	0.145	3.14	27.9	51.0	0.72	2010	0.91	0.30	7.6	2.1	600
K291311		4.93	14.30	0.16	1.2	0.308	2.90	28.1	25.9	0.76	1840	14.65	0.15	6.0	14.5	520
K291312		3.80	13.60	0.17	1.0	0.151	2.97	20.7	20.7	0.85	2190	0.43	0.03	6.1	3.0	500
K291313		3.48	12.95	0.16	1.0	0.213	2.55	25.1	56.9	0.87	1570	0.42	0.02	6.2	2.3	520
K291314		2.33	11.90	0.20	1.3	0.047	1.99	21.7	161.5	0.73	1290	0.65	0.03	6.3	1.9	380
K291315		3.50	16.50	0.19	1.2	0.049	2.59	19.7	48.0	0.78	621	0.70	0.36	8.1	2.7	730
K291316		3.51	16.05	0.18	1.2	0.071	2.90	22.6	44.4	0.67	1400	0.65	0.07	7.8	2.6	650
K291317		8.99	17.80	0.12	0.9	0.279	3.01	19.9	51.2	1.18	3950	0.77	0.03	6.5	2.7	570
K291318		0.46	0.27	0.26	<0.1	<0.005	0.03	0.5	1.4	13.20	204	0.05	<0.01	0.2	1.3	180
K291319		8.06	16.55	0.11	1.1	0.322	3.42	30.1	32.5	1.17	4170	0.23	0.03	7.2	2.5	590
K291320		3.36	15.35	0.18	1.2	0.058	3.38	22.7	29.7	1.08	3050	0.36	0.05	7.6	2.6	620

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Finalized Date: 6-SEP-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15127591

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
K291285		81.3	110.5	<0.002	0.22	20.4	10.4	1	2.0	248	0.56	<0.05	9.0	0.277	2.02	8.5
K291286		303	152.5	0.002	1.22	89.1	6.9	1	1.7	165.5	0.25	0.06	5.4	0.132	1.81	203
K291287		30.1	103.5	<0.002	0.16	6.22	11.3	1	1.8	357	0.54	<0.05	9.9	0.296	1.41	3.8
K291288		33.8	78.0	<0.002	0.40	10.35	12.1	2	3.6	137.0	0.61	0.63	11.2	0.326	0.95	6.4
K291289		50.4	184.5	<0.002	0.67	27.8	9.6	1	3.7	130.5	0.44	0.98	9.3	0.223	2.03	4.4
K291290		37.6	138.0	<0.002	0.19	12.85	10.4	1	2.3	160.5	0.58	<0.05	10.4	0.270	2.09	4.4
K291291		44.9	96.3	<0.002	0.31	27.0	10.4	1	2.2	211	0.60	0.07	13.1	0.255	1.33	4.4
K291292		137.0	103.0	<0.002	4.73	31.4	4.7	<1	2.5	73.2	0.21	<0.05	4.1	0.116	1.33	2.5
K291293		1.7	0.9	<0.002	0.04	0.15	0.1	<1	<0.2	47.1	<0.05	<0.05	<0.2	<0.005	<0.02	0.4
K291294		87.5	181.5	<0.002	1.29	23.0	9.8	1	2.9	115.5	0.51	0.05	13.5	0.249	2.59	4.4
K291295		91.8	164.0	<0.002	2.42	26.0	7.6	1	3.0	90.2	0.37	<0.05	7.9	0.188	2.07	3.8
K291296		50.8	189.5	<0.002	0.86	14.50	10.6	1	3.6	83.4	0.49	<0.05	13.0	0.257	2.40	4.3
K291297		55.1	204	<0.002	0.86	13.65	10.7	1	3.8	77.8	0.50	<0.05	13.5	0.262	2.49	4.2
K291298		24.9	102.5	<0.002	1.36	4.32	11.6	1	4.6	267	0.58	0.06	10.1	0.286	1.42	4.3
K291299		16.6	86.7	<0.002	0.14	17.45	10.8	1	2.2	173.0	0.50	<0.05	10.6	0.269	1.49	4.4
K291300		454	89.2	<0.002	2.21	32.8	5.2	1	1.7	109.5	0.23	<0.05	5.7	0.124	1.17	6.5
K291301		339	147.5	<0.002	0.67	26.9	9.2	1	2.5	155.0	0.42	<0.05	13.1	0.215	2.19	4.8
K291302		129.5	220	<0.002	0.97	41.4	10.6	1	2.5	105.5	0.49	0.13	12.8	0.246	2.85	3.9
K291303		1660	143.5	0.003	7.74	108.5	7.8	1	10.8	63.5	0.36	0.76	8.1	0.164	1.99	5.3
K291304		98.3	127.5	<0.002	0.45	22.6	10.8	1	2.2	122.5	0.56	<0.05	11.7	0.265	2.01	4.9
K291305		842	108.5	<0.002	2.38	27.0	6.0	1	1.9	94.2	0.27	<0.05	6.8	0.136	1.32	3.3
K291306		53.6	85.2	<0.002	0.43	20.8	10.3	1	3.0	126.5	0.55	0.09	10.6	0.281	1.48	3.6
K291307		60.8	86.8	<0.002	0.25	14.75	10.8	<1	2.5	190.5	0.55	<0.05	8.2	0.283	1.43	2.9
K291308		39.4	93.2	<0.002	0.20	18.90	11.1	1	2.8	184.0	0.60	0.06	10.4	0.308	1.46	3.1
K291309		18.2	106.0	<0.002	0.01	6.34	12.0	1	2.3	367	0.69	<0.05	14.0	0.303	1.02	4.6
K291310		62.5	132.5	<0.002	0.10	12.30	10.3	1	2.3	162.5	0.62	<0.05	14.1	0.268	1.73	4.9
K291311		474	158.0	0.005	2.66	26.8	8.7	1	5.8	108.5	0.47	0.29	11.6	0.204	2.22	5.1
K291312		221	177.5	<0.002	1.71	17.60	9.1	1	2.9	126.5	0.49	<0.05	12.2	0.222	1.72	3.5
K291313		472	143.5	<0.002	1.09	24.7	9.6	1	4.3	93.6	0.47	<0.05	11.3	0.234	1.39	3.7
K291314		71.4	91.1	<0.002	0.13	29.3	7.0	1	1.6	152.0	1.03	<0.05	17.3	0.165	1.19	5.7
K291315		26.6	92.2	<0.002	0.07	8.76	12.3	1	2.0	201	0.61	<0.05	12.1	0.300	0.93	4.5
K291316		32.6	118.5	<0.002	0.22	16.30	11.7	<1	1.8	107.5	0.62	<0.05	13.3	0.287	1.39	3.9
K291317		204	171.5	<0.002	2.59	22.2	10.9	<1	6.3	61.6	0.48	0.05	13.9	0.243	1.93	4.7
K291318		1.4	1.4	<0.002	<0.01	0.13	0.1	<1	<0.2	49.1	<0.05	<0.05	<0.2	<0.005	0.02	0.6
K291319		186.0	193.0	<0.002	1.95	43.5	10.9	<1	3.9	66.4	0.54	<0.05	15.5	0.261	2.02	4.7
K291320		13.3	166.5	<0.002	0.39	14.50	11.5	1	1.6	139.0	0.59	<0.05	12.6	0.281	2.07	3.9

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 6-SEP-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15127591

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	V	W	Y	Zn	Zr
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	1	0.1	0.1	2	0.5
K291285		79	3.5	12.0	59	21.4
K291286		64	3.0	11.8	1120	13.2
K291287		83	5.6	12.7	67	22.7
K291288		87	5.1	11.9	107	24.1
K291289		81	4.9	11.0	166	18.7
K291290		76	4.1	14.1	89	25.0
K291291		73	5.7	15.5	121	26.1
K291292		37	7.4	4.5	1980	9.9
K291293		2	0.1	0.7	20	<0.5
K291294		71	7.2	11.1	236	23.0
K291295		59	10.3	7.9	124	16.5
K291296		73	8.7	9.4	220	22.9
K291297		75	8.4	9.4	210	22.3
K291298		83	13.1	10.1	102	25.6
K291299		81	3.5	12.0	61	25.4
K291300		39	2.8	10.6	2790	13.4
K291301		61	5.2	11.6	492	22.1
K291302		74	6.8	13.3	313	22.1
K291303		56	6.7	7.9	3330	21.1
K291304		76	9.1	13.1	183	23.9
K291305		42	3.7	9.4	552	13.0
K291306		78	6.5	11.8	97	22.4
K291307		80	3.5	10.9	71	24.4
K291308		85	4.6	12.2	69	25.4
K291309		87	2.6	13.1	60	32.6
K291310		75	2.9	13.6	138	25.9
K291311		65	5.1	10.6	865	28.1
K291312		65	2.9	12.5	293	20.6
K291313		66	3.6	10.7	994	21.4
K291314		53	3.6	10.6	119	23.2
K291315		87	3.4	12.1	71	25.2
K291316		84	3.0	12.6	84	24.1
K291317		66	11.5	7.9	318	20.3
K291318		2	0.1	0.7	15	<0.5
K291319		78	8.9	8.4	493	21.8
K291320		87	2.3	13.4	71	25.1

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: Klaza

Finalized Date: 6-SEP-2015
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH15127591

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	ME-MS61

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Finalized Date: 6-SEP-2015
Account: ROCKHA

CERTIFICATE WH15127597

Project: Klaza

P.O. No.: BATCH 138

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 24-AUG-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21d	Sample logging - ClientBarCode Dup
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
BAG-06	Double Bagging Coarse Rejects
SPL-21d	Split sample - duplicate
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31d	Pulverize Split - duplicate

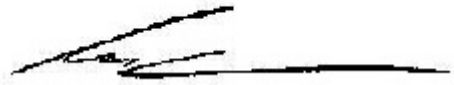
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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VANCOUVER BC V6B 1L8

Finalized Date: 6-SEP-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15127597

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
K291151		12.24	0.013	0.98	7.93	73.5	520	1.41	0.75	0.20	3.70	35.7	6.4	7	8.20	25.1
K291152		3.48	0.028	0.76	8.05	119.0	550	1.75	0.82	0.20	7.14	38.6	10.9	8	17.50	28.0
K291153		8.07	1.925	11.05	7.12	264	530	1.67	15.25	0.12	6.73	44.2	2.0	9	22.1	89.6
K291154		6.74	0.006	0.34	8.02	39.8	290	1.14	0.44	0.18	7.65	41.4	28.1	8	13.40	12.8
K291155		10.26	0.035	0.73	7.08	101.0	580	1.34	0.76	0.16	3.84	41.2	7.8	7	14.20	22.6
K291156		10.03	0.128	3.90	6.53	218	1360	1.67	1.32	0.14	4.39	49.9	6.7	8	14.50	29.7
K291157		0.33	0.372	4.40	6.15	711	580	1.45	3.39	1.88	10.70	40.9	12.5	25	13.40	306
K291158		11.52	0.029	0.91	5.86	126.5	1340	1.14	0.53	0.11	3.84	32.2	6.2	8	11.65	32.6
K291159		10.14	0.012	0.41	6.95	76.2	900	1.67	0.91	0.25	3.72	33.9	17.2	10	11.95	6.9
K291160		5.89	0.021	1.30	6.85	101.5	330	1.70	0.32	0.35	5.23	30.1	7.4	10	13.15	13.8
K291161		5.14	<0.005	0.02	0.13	0.5	30	0.07	0.03	19.85	0.10	1.53	0.9	<1	0.24	3.1
K291162		5.31	<0.005	0.13	7.07	15.4	170	1.44	0.26	0.84	1.47	30.0	2.1	7	12.80	5.3
K291163		9.55	<0.005	0.21	6.99	30.8	240	1.31	0.23	1.09	1.93	23.6	2.9	8	13.20	4.9
K291164		6.42	0.009	0.35	7.47	155.5	350	1.64	0.33	1.17	1.37	29.5	10.3	8	11.60	5.6
K291165		4.53	0.009	0.65	6.67	94.4	520	1.89	0.69	1.16	1.36	27.9	27.3	10	12.20	3.7
K291166		11.13	<0.005	0.11	6.97	15.3	220	1.37	0.23	2.03	0.31	28.0	4.0	7	15.20	3.8
K291167		5.44	<0.005	0.16	7.14	16.8	260	1.46	0.30	2.07	0.27	28.8	5.8	7	15.95	5.7
K291168		4.35	0.099	1.12	8.11	76.4	1420	1.74	0.38	0.51	1.16	45.9	15.1	15	24.6	822
K291169		3.92	0.079	0.97	8.04	52.5	1080	1.76	0.57	2.02	0.86	44.7	15.4	16	22.2	781
K291170		3.60	0.057	0.77	8.28	29.6	1910	1.56	0.39	1.46	0.79	36.2	14.5	16	16.60	605
K291171		<0.02	0.060	0.75	8.17	31.7	1970	1.54	0.43	1.52	0.73	37.3	15.0	17	16.00	576
K291172		10.29	0.091	0.80	7.22	173.0	1310	1.36	0.41	2.23	1.38	38.4	14.0	15	21.0	733
K291173		5.56	0.041	1.07	7.68	107.5	920	1.47	0.87	0.38	2.36	42.9	9.8	14	33.2	442
K291174		7.29	0.115	1.17	6.03	158.0	260	1.30	0.89	1.41	1.22	40.1	9.0	16	28.1	553
K291175		1.81	0.450	4.99	5.51	799	150	1.05	0.61	2.93	1.26	41.8	10.5	13	18.25	5170
K291176		5.06	<0.005	0.02	0.08	1.2	20	0.05	0.08	19.60	0.08	1.29	0.7	1	0.28	13.2
K291177		7.46	0.077	1.01	6.79	236	190	0.98	0.33	2.21	0.63	45.5	12.2	19	10.35	744
K291178		10.15	0.068	0.98	5.76	43.7	870	1.00	0.25	2.25	0.50	43.8	6.9	15	9.49	660
K291179		0.34	1.775	39.6	5.49	2170	250	1.09	38.4	1.60	43.0	36.6	16.2	21	9.97	1180
K291180		10.06	0.025	0.67	4.79	39.3	810	0.75	0.34	1.86	1.01	29.4	4.7	16	10.85	291
K291181		5.53	0.045	0.73	7.14	8.9	1310	1.47	0.33	2.47	0.34	45.6	10.7	17	13.50	586
K291182		10.93	0.064	0.83	6.60	21.3	1610	1.29	0.41	2.65	0.26	37.0	10.8	17	14.30	662
K291183		10.85	0.017	0.60	5.77	27.2	470	1.07	0.55	3.21	0.26	49.3	5.8	18	17.20	268
K291184		10.72	0.058	1.02	6.87	42.3	970	1.11	0.41	3.29	0.27	45.6	10.2	22	15.05	562
K291185		3.06	0.032	0.58	7.81	8.2	950	1.44	0.27	2.52	0.14	43.4	10.9	18	9.37	465
K291186		3.57	0.019	0.37	5.72	10.4	970	0.75	0.40	2.25	0.19	31.4	8.2	17	8.75	141.0

***** See Appendix Page for comments regarding this certificate *****

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VANCOUVER BC V6B 1L8

Finalized Date: 6-SEP-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15127597

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
K291151		1.34	17.80	0.12	1.2	0.133	1.15	16.5	42.9	0.11	884	0.78	0.05	9.2	1.5	740
K291152		2.49	17.90	0.13	1.0	0.770	1.18	18.5	176.5	0.10	620	1.94	0.05	8.9	1.5	660
K291153		2.97	16.80	0.16	0.9	2.43	2.76	18.8	37.2	0.23	146	2.99	0.04	7.1	1.1	480
K291154		2.04	17.60	0.15	1.0	0.202	1.08	16.6	213	0.10	619	6.14	0.03	8.8	2.5	690
K291155		1.34	16.10	0.13	1.0	0.181	1.17	17.1	294	0.10	276	2.04	0.04	8.1	1.4	470
K291156		1.74	14.55	0.16	0.8	0.181	1.71	25.9	242	0.14	470	8.41	0.04	6.6	1.6	430
K291157		4.69	15.40	0.16	1.1	0.295	2.75	21.5	25.7	0.70	1880	14.60	0.14	6.4	14.7	510
K291158		1.27	12.75	0.14	0.7	0.119	1.47	13.0	198.0	0.10	255	3.97	0.05	5.9	1.4	370
K291159		1.80	15.80	0.15	0.8	0.133	1.42	13.7	337	0.09	343	6.45	0.12	7.0	3.2	530
K291160		1.40	15.55	0.14	0.9	0.142	1.08	12.7	367	0.10	723	3.51	0.09	7.1	2.6	570
K291161		0.46	0.43	0.27	<0.1	0.006	0.03	0.7	4.8	12.50	207	0.15	0.01	0.2	1.4	210
K291162		1.02	16.60	0.25	1.0	0.154	0.60	11.2	510	0.22	543	1.29	0.05	9.0	1.4	570
K291163		1.15	16.85	0.22	1.0	0.115	0.64	8.6	191.0	0.15	539	0.59	0.06	8.3	1.2	550
K291164		1.56	17.70	0.21	1.0	0.139	1.30	10.6	274	0.27	539	0.63	0.10	8.3	1.7	430
K291165		1.97	14.80	0.17	1.2	0.083	1.54	11.1	141.0	0.31	691	1.46	0.15	6.5	6.3	210
K291166		1.33	17.30	0.19	0.9	0.122	0.79	10.6	179.5	0.52	494	0.72	0.06	8.4	1.2	590
K291167		1.44	17.65	0.19	0.9	0.119	0.78	11.0	201	0.54	508	1.48	0.05	8.5	1.5	580
K291168		4.10	18.50	0.22	0.5	0.080	3.14	23.5	26.5	0.45	250	66.5	0.07	6.7	9.7	1210
K291169		4.24	19.50	0.23	0.5	0.050	2.74	21.6	24.1	0.84	423	55.8	0.06	7.6	8.8	1290
K291170		4.40	19.85	0.20	0.5	0.029	3.34	16.7	22.7	0.53	462	68.0	0.11	8.5	9.4	1370
K291171		4.54	19.80	0.21	0.5	0.029	3.45	17.3	21.9	0.55	465	64.6	0.11	8.5	9.8	1370
K291172		4.44	18.00	0.21	0.5	0.035	2.44	18.2	33.5	0.78	363	67.6	0.07	7.6	8.3	1290
K291173		6.61	17.35	0.21	0.4	0.156	3.67	23.1	17.1	0.43	284	83.8	0.06	5.5	9.2	1010
K291174		2.94	12.60	0.19	0.4	0.056	2.36	21.8	42.9	0.60	336	48.8	0.04	4.7	9.1	900
K291175		3.23	11.35	0.18	0.3	0.355	1.85	22.9	25.0	1.15	450	51.4	0.02	4.2	5.9	740
K291176		0.46	0.25	0.06	<0.1	<0.005	0.03	0.6	1.2	12.45	194	0.97	<0.01	0.2	5.1	160
K291177		2.90	12.70	0.09	0.4	0.041	1.49	24.0	31.3	0.70	376	79.2	0.02	5.5	10.2	960
K291178		2.25	10.00	0.10	0.3	0.052	2.07	23.9	22.6	0.69	251	42.8	0.06	4.3	5.7	760
K291179		8.70	12.95	0.09	0.8	1.515	2.57	18.1	13.7	0.66	2160	17.15	0.06	4.8	13.8	430
K291180		1.95	8.25	0.09	0.3	0.059	2.54	15.7	14.1	0.62	338	19.60	0.07	3.5	4.5	590
K291181		3.18	14.30	0.11	0.4	0.035	2.70	22.6	50.7	1.31	220	48.3	0.07	5.6	9.6	1000
K291182		3.29	12.70	0.10	0.4	0.037	3.39	18.2	39.5	1.40	308	47.5	0.14	5.2	8.6	1050
K291183		2.84	9.72	0.12	0.3	0.029	2.72	25.3	15.2	1.60	327	45.6	0.04	3.5	6.5	850
K291184		3.39	13.30	0.11	0.4	0.039	2.80	22.6	19.5	1.52	322	41.2	0.10	5.1	8.7	1050
K291185		3.46	17.85	0.12	0.5	0.037	2.29	20.5	26.0	1.22	265	28.7	0.40	7.7	8.0	1300
K291186		2.84	7.75	0.08	0.3	0.034	3.68	16.8	14.3	1.02	239	20.1	0.11	3.4	5.3	610

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 6-SEP-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15127597

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
K291151		133.5	75.8	<0.002	<0.01	21.5	11.0	1	2.0	22.9	0.76	<0.05	15.9	0.250	1.14	3.5
K291152		217	84.8	<0.002	0.02	29.4	14.6	1	3.4	72.8	0.75	0.06	17.2	0.246	1.37	4.4
K291153		882	193.5	<0.002	0.11	32.0	15.0	1	5.8	56.7	0.65	0.37	13.7	0.204	2.79	4.8
K291154		34.7	76.1	<0.002	0.03	36.4	10.9	1	2.7	161.5	0.73	0.07	17.1	0.249	1.16	4.3
K291155		53.9	83.7	<0.002	0.04	58.2	8.9	1	2.7	150.5	0.71	0.12	14.9	0.220	1.26	3.6
K291156		1205	104.0	<0.002	0.08	84.9	8.0	1	3.1	118.0	0.56	0.25	14.8	0.182	1.73	4.0
K291157		480	139.0	0.004	2.65	28.9	8.7	1	5.5	110.0	0.51	0.30	10.7	0.204	2.43	5.1
K291158		92.2	99.2	<0.002	0.08	59.3	6.0	1	2.2	96.0	0.46	0.08	12.3	0.171	1.57	3.4
K291159		31.3	100.0	0.002	0.10	44.3	9.2	1	1.9	80.1	0.53	0.14	14.1	0.204	1.46	3.5
K291160		135.0	86.6	0.007	0.20	52.4	9.0	1	1.5	96.3	0.63	<0.05	17.7	0.193	1.12	3.2
K291161		3.0	1.6	<0.002	<0.01	0.47	0.3	1	<0.2	49.0	<0.05	<0.05	0.2	<0.005	<0.02	0.7
K291162		12.5	39.3	0.002	0.02	45.0	9.7	1	1.9	124.5	0.73	<0.05	14.2	0.245	0.65	3.0
K291163		27.0	40.9	<0.002	0.03	30.3	9.4	1	1.7	79.6	0.70	<0.05	12.0	0.237	0.75	2.3
K291164		79.2	93.5	<0.002	0.13	34.9	9.3	1	2.1	95.1	0.77	<0.05	14.6	0.218	1.30	3.3
K291165		46.5	92.0	0.002	0.54	22.5	7.3	1	1.5	69.1	0.89	0.19	27.9	0.127	1.68	3.1
K291166		14.5	30.0	<0.002	0.12	23.2	9.8	1	2.1	117.5	0.69	0.05	11.3	0.251	0.85	1.9
K291167		13.2	30.2	<0.002	0.18	23.6	9.9	1	2.3	117.0	0.68	0.07	11.4	0.253	0.78	2.0
K291168		49.9	164.5	0.008	0.12	26.4	18.2	2	2.6	137.0	0.47	0.06	11.8	0.365	2.22	2.1
K291169		26.0	122.0	0.025	1.42	20.6	19.2	2	3.1	115.0	0.47	0.05	10.6	0.407	1.99	1.9
K291170		28.5	129.5	0.014	0.74	15.75	19.9	2	2.3	142.5	0.53	<0.05	9.8	0.443	1.81	1.7
K291171		30.1	129.0	0.013	0.81	17.35	19.9	2	2.4	146.5	0.54	<0.05	10.0	0.442	1.83	1.7
K291172		56.0	91.5	0.026	0.69	29.0	18.0	2	2.4	141.5	0.48	0.05	9.0	0.393	1.61	2.2
K291173		251	190.0	0.008	0.25	22.0	17.6	3	4.8	122.0	0.36	0.10	10.4	0.317	2.74	3.0
K291174		60.5	131.5	0.013	0.53	91.2	14.0	1	2.8	101.5	0.29	0.05	9.0	0.262	1.74	2.1
K291175		86.0	109.0	0.021	1.68	705	11.9	3	3.4	75.7	0.26	0.07	8.0	0.230	1.39	2.9
K291176		4.7	1.8	<0.002	<0.01	0.95	0.2	1	<0.2	45.8	<0.05	<0.05	<0.2	<0.005	<0.02	0.5
K291177		21.8	91.0	0.042	0.63	113.5	15.1	2	1.7	71.2	0.33	<0.05	10.1	0.299	1.41	5.4
K291178		19.7	97.7	0.017	0.39	10.40	12.1	1	1.6	86.5	0.27	<0.05	7.7	0.235	1.15	1.3
K291179		1595	145.5	0.002	7.46	96.8	7.7	2	10.7	61.5	0.38	0.70	9.3	0.156	2.19	5.5
K291180		45.0	111.0	0.006	0.72	9.03	9.7	1	2.1	94.5	0.22	0.06	6.4	0.187	1.43	1.2
K291181		22.5	110.5	0.027	0.65	7.54	16.1	2	1.9	142.0	0.35	0.06	9.8	0.306	1.54	1.8
K291182		25.4	111.0	0.026	1.50	20.9	15.3	2	2.8	146.0	0.33	0.05	8.6	0.291	1.82	2.0
K291183		30.5	132.5	0.031	1.79	13.50	13.3	2	3.8	111.0	0.23	0.06	8.0	0.214	1.63	2.4
K291184		16.1	110.5	0.022	1.44	25.5	15.9	2	2.5	128.0	0.33	0.05	8.9	0.303	1.65	2.0
K291185		12.9	89.4	0.020	0.72	4.53	17.9	2	2.1	130.5	0.46	0.05	9.5	0.399	1.40	2.7
K291186		19.6	147.0	0.016	2.15	2.56	10.7	2	2.5	104.5	0.21	<0.05	6.8	0.192	1.69	1.2

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 6-SEP-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15127597

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	V	W	Y	Zn	Zr
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	1	0.1	0.1	2	0.5
K291151		72	1.3	16.5	317	32.8
K291152		74	2.5	15.6	752	27.3
K291153		72	4.7	10.2	827	23.2
K291154		72	4.8	14.7	991	27.1
K291155		56	4.2	11.0	334	26.3
K291156		53	2.8	11.4	426	22.7
K291157		64	5.5	10.5	880	30.9
K291158		47	1.8	10.2	313	19.1
K291159		61	1.8	12.6	373	22.8
K291160		58	1.5	14.2	406	25.5
K291161		3	0.1	0.9	19	0.6
K291162		67	3.2	13.6	170	26.6
K291163		63	2.4	10.6	247	26.7
K291164		57	2.0	12.8	240	25.7
K291165		39	1.5	12.5	200	29.5
K291166		64	2.1	12.8	73	23.8
K291167		64	2.2	13.6	68	25.4
K291168		158	6.2	16.5	195	11.5
K291169		182	13.8	18.1	136	11.1
K291170		193	14.8	15.7	116	10.5
K291171		195	14.1	15.8	115	10.0
K291172		163	5.9	16.5	129	10.3
K291173		167	8.8	14.2	271	9.7
K291174		111	6.6	12.9	135	10.6
K291175		100	4.6	12.2	206	7.2
K291176		3	0.1	0.8	20	<0.5
K291177		123	11.0	15.4	126	8.9
K291178		109	5.2	12.8	76	6.6
K291179		53	7.1	9.0	3220	23.4
K291180		84	6.7	9.3	95	6.3
K291181		143	3.7	15.1	89	9.0
K291182		141	8.1	13.4	79	10.1
K291183		111	11.5	14.1	72	7.8
K291184		140	6.9	15.0	71	8.2
K291185		164	5.6	16.3	57	10.7
K291186		86	15.5	10.0	37	6.7

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: Klaza

Finalized Date: 6-SEP-2015
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH15127597

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	ME-MS61

ALS Canada Ltd.

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 6-SEP-2015
Account: ROCKHA

CERTIFICATE WH15127599

Project: Klaza

P.O. No.: BATCH 139

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 24-AUG-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21d	Sample logging - ClientBarCode Dup
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
BAG-06	Double Bagging Coarse Rejects
SPL-21d	Split sample - duplicate
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31d	Pulverize Split - duplicate

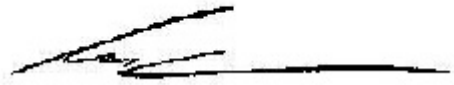
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Pb-OG62	Ore Grade Pb - Four Acid	VARIABLE
Zn-OG62	Ore Grade Zn - Four Acid	VARIABLE
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.

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Finalized Date: 6-SEP-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15127599

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
K291187		7.08	0.056	0.84	7.54	8.4	1990	1.07	0.31	2.28	0.21	39.1	9.3	19	8.39	684
K291188		3.84	0.024	0.52	6.28	4.0	1650	1.01	0.42	2.85	0.31	37.2	8.4	22	9.79	342
K291189		7.27	0.883	29.5	6.41	370	640	1.15	1.43	1.97	108.5	42.2	6.8	10	11.60	91.0
K291190		6.51	0.037	1.56	7.62	46.2	410	1.50	0.22	1.90	3.02	54.7	7.6	11	15.80	26.8
K291191		4.88	<0.005	0.53	6.58	34.9	410	1.24	0.16	2.70	1.60	44.2	6.8	12	15.65	10.4
K291192		1.90	6.13	37.0	4.63	727	200	0.85	27.1	1.03	230	17.95	17.8	9	11.50	288
K291321		1.34	0.009	0.13	7.79	4.0	2020	1.26	0.10	2.13	0.48	49.1	9.2	10	12.70	10.1
K291322		1.36	<0.005	0.10	7.37	3.7	1990	1.55	0.11	2.79	0.33	42.2	8.4	10	14.00	7.5
K291323		1.58	0.140	0.79	6.85	866	1600	1.46	0.10	3.53	1.09	43.7	9.0	10	16.10	41.7
K291324		2.96	<0.005	0.10	6.56	27.2	1960	1.48	0.08	3.21	0.15	39.3	7.4	11	22.1	7.3
K291325		0.34	0.961	11.55	6.32	1360	710	1.33	13.60	1.82	31.3	47.2	17.3	18	13.95	278
K291326		4.16	0.047	0.28	7.50	242	2040	1.48	0.14	2.70	0.85	52.1	7.8	10	25.8	9.8
K291327		3.20	0.039	0.63	7.02	372	1950	1.52	0.10	3.05	0.99	48.3	8.4	11	21.8	13.0
K291328		2.04	0.039	0.63	7.44	350	2400	1.61	0.11	2.88	1.29	52.5	9.5	9	22.9	14.3
K291329		3.18	<0.005	0.06	6.37	14.3	2250	1.44	0.05	4.22	0.30	43.2	6.9	11	25.1	6.1
K291330		1.21	0.149	1.94	6.10	1030	510	1.38	0.16	4.10	4.02	45.4	10.9	7	19.20	27.6
K291331		6.47	0.134	0.66	7.32	334	2300	1.45	0.14	2.47	1.13	43.9	7.8	10	18.60	24.8
K291332		1.99	0.316	5.79	6.41	275	940	1.31	1.58	1.70	2.72	38.0	10.0	10	10.70	97.9
K291333		4.80	0.098	1.03	7.37	146.0	2320	1.18	1.00	1.78	0.57	49.4	8.8	10	12.45	79.8
K291334		<0.02	0.045	0.82	7.23	109.5	2310	1.15	1.01	1.74	0.60	44.4	8.1	10	11.55	68.0
K291335		4.23	0.065	0.26	7.20	7.5	2170	1.31	1.15	2.72	0.13	44.6	8.5	8	12.60	9.3
K291336		7.12	0.013	0.12	7.20	31.1	1730	1.37	0.15	2.58	0.13	43.3	7.9	9	18.40	11.6
K291337		3.15	<0.005	0.15	7.76	36.7	2070	1.43	0.12	1.72	0.19	49.2	8.8	9	16.50	8.6
K291338		1.03	0.011	0.22	7.70	23.6	1640	1.46	0.42	0.98	0.36	57.1	12.8	9	11.40	9.8
K291339		0.34	1.815	38.2	5.42	2220	170	1.17	36.8	1.60	42.5	33.5	16.7	21	10.25	1160
K291340		3.53	0.620	3.02	7.06	210	860	1.21	5.38	1.02	2.12	54.0	10.1	9	13.20	89.7
K291341		3.60	0.878	5.54	6.56	3950	310	0.86	5.07	0.18	8.23	47.6	8.3	10	7.68	117.5
K291342		5.21	<0.005	0.03	0.08	10.2	50	0.06	0.05	20.3	0.09	1.30	0.6	1	0.16	2.4
K291343		2.30	0.669	10.90	7.03	3390	240	1.09	3.45	0.79	32.1	44.4	7.4	10	10.50	72.8
K291344		4.93	<0.005	0.30	7.45	49.4	1780	1.72	0.14	2.27	0.37	73.2	9.2	33	24.9	10.2
K291345		1.72	0.375	16.70	6.44	781	370	1.56	1.35	1.02	62.9	49.2	12.4	13	23.0	100.5
K291346		5.18	<0.005	0.04	0.08	1.8	30	<0.05	0.02	20.5	0.12	1.43	0.6	1	0.23	2.0
K291347		0.86	0.007	0.82	7.94	40.4	2560	1.63	0.16	2.36	1.81	80.7	9.3	34	27.6	9.8
K291348		1.35	2.75	26.7	5.90	5470	270	1.02	18.35	0.56	65.7	38.7	8.6	11	13.50	127.5
K291349		1.31	0.100	3.03	7.56	336	1530	1.89	0.67	1.36	13.25	54.0	8.5	9	19.80	35.6
K291350		1.81	0.005	0.13	7.31	36.5	310	1.83	0.17	2.66	0.35	71.7	14.3	41	24.4	9.4

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 6-SEP-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15127599

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
K291187		2.93	14.10	0.09	0.5	0.049	3.58	19.4	41.7	1.03	247	26.5	0.33	6.2	7.8	1160
K291188		2.65	9.83	0.09	0.3	0.033	3.57	20.0	30.3	1.29	223	53.6	0.57	3.9	6.9	820
K291189		5.03	13.40	0.13	0.9	2.59	2.50	22.9	16.8	0.62	2680	0.55	0.18	6.7	2.2	530
K291190		3.46	15.85	0.13	1.2	0.155	2.49	29.6	51.7	0.80	1770	1.13	0.03	8.0	2.8	630
K291191		2.94	14.85	0.11	1.1	0.074	2.01	21.4	61.1	0.86	1540	0.67	0.04	7.7	2.5	570
K291192		7.95	10.25	0.10	0.6	4.63	2.02	9.0	8.8	0.38	3650	1.91	0.02	4.4	2.6	340
K291321		3.37	16.60	0.12	1.2	0.047	2.72	23.3	28.0	0.85	863	2.07	0.76	9.2	2.9	640
K291322		3.23	15.90	0.13	1.1	0.044	2.54	20.0	20.1	0.82	705	1.42	1.57	8.9	2.8	660
K291323		3.58	15.30	0.11	1.0	0.126	3.21	22.6	18.7	0.85	3840	0.74	0.19	8.2	2.8	580
K291324		2.82	14.75	0.11	1.1	0.035	2.82	19.0	32.0	0.96	1310	0.70	0.05	8.0	2.5	610
K291325		6.30	14.35	0.12	1.1	0.795	2.77	23.8	17.5	0.75	1700	8.64	0.12	6.6	11.7	490
K291326		3.33	16.20	0.13	1.2	0.068	3.12	26.6	99.3	0.93	1800	0.71	0.07	8.3	2.5	640
K291327		3.18	14.65	0.13	1.0	0.060	3.03	25.4	24.3	1.01	2840	0.76	0.04	7.6	2.7	580
K291328		3.37	15.65	0.14	1.1	0.069	3.21	28.3	24.8	1.00	2840	1.36	0.04	8.1	2.7	600
K291329		2.83	13.90	0.13	0.9	0.040	2.67	22.8	32.2	1.04	1310	1.40	0.05	7.0	2.3	540
K291330		3.48	12.90	0.12	1.0	0.141	2.50	24.5	32.4	0.71	3010	0.58	0.03	6.6	2.9	490
K291331		3.33	15.60	0.14	1.1	0.094	2.85	21.2	37.4	0.75	1560	0.58	0.43	8.4	2.5	620
K291332		7.06	15.20	0.11	1.0	0.261	2.74	20.1	42.3	1.17	3980	1.63	0.03	6.7	2.5	520
K291333		3.47	16.10	0.13	1.3	0.155	2.73	23.8	42.3	0.73	1190	0.69	0.08	8.7	2.8	630
K291334		3.43	15.50	0.13	1.2	0.147	2.70	22.0	40.5	0.71	1180	0.65	0.08	8.4	2.5	610
K291335		3.56	15.65	0.14	1.1	0.055	2.69	22.4	20.0	0.87	887	0.83	0.95	7.7	2.7	600
K291336		3.07	15.75	0.15	1.0	0.044	2.70	21.2	30.7	0.83	862	0.70	0.79	8.2	2.7	620
K291337		3.27	16.90	0.14	1.2	0.041	2.84	23.4	33.6	0.81	745	0.65	0.16	8.9	2.8	660
K291338		5.50	16.90	0.14	1.1	0.156	3.46	29.9	24.9	0.98	1720	0.72	0.07	8.6	2.9	650
K291339		8.75	13.40	0.11	0.8	1.565	2.53	16.9	15.0	0.64	2200	16.25	0.06	4.9	14.1	410
K291340		5.39	17.30	0.15	1.1	0.242	3.06	29.5	52.3	0.71	2630	2.56	0.03	7.1	2.6	580
K291341		5.76	16.70	0.16	0.9	0.208	3.10	26.1	10.8	0.23	117	9.28	0.02	6.2	2.8	530
K291342		0.47	0.20	0.10	<0.1	0.006	0.03	0.6	1.1	12.50	200	0.15	<0.01	0.1	1.4	190
K291343		4.98	17.15	0.13	1.5	0.437	3.29	20.4	11.2	0.43	919	4.41	0.02	7.5	3.4	650
K291344		3.27	19.35	0.15	4.5	0.041	2.59	36.8	131.5	1.40	946	0.64	0.05	12.0	11.7	1720
K291345		3.36	15.00	0.13	1.9	0.508	1.92	25.8	59.0	0.51	702	8.27	0.02	7.5	8.7	800
K291346		0.46	0.22	0.09	<0.1	0.006	0.03	0.7	1.6	12.80	192	0.07	<0.01	0.2	1.5	210
K291347		3.35	20.2	0.18	4.6	0.045	2.55	42.2	132.0	1.49	1280	0.90	0.04	12.0	11.5	1760
K291348		5.94	14.95	0.14	0.8	0.578	2.78	21.2	10.7	0.33	2610	13.05	0.02	6.2	2.8	540
K291349		3.11	16.80	0.15	1.1	0.160	2.74	29.7	304	0.55	2500	0.63	0.04	7.6	4.3	650
K291350		3.28	19.50	0.15	4.1	0.038	2.50	36.2	94.5	1.22	1160	0.66	0.05	10.8	18.0	1560

***** See Appendix Page for comments regarding this certificate *****

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C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 6-SEP-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15127599

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
K291187		13.4	116.5	0.017	1.04	2.53	16.7	1	2.0	153.5	0.39	<0.05	8.8	0.354	1.67	1.7
K291188		30.2	143.5	0.028	1.51	1.51	12.3	1	2.3	163.5	0.25	<0.05	8.0	0.235	1.58	1.7
K291189		>10000	137.0	<0.002	2.84	55.1	10.0	1	4.0	52.8	0.49	<0.05	10.9	0.229	1.65	2.9
K291190		372	139.5	<0.002	0.42	21.0	11.6	1	2.2	83.8	0.63	<0.05	14.2	0.267	1.89	4.3
K291191		149.5	81.1	<0.002	0.21	18.45	10.5	1	1.9	112.0	0.53	<0.05	10.6	0.247	1.52	4.5
K291192		9110	96.2	<0.002	8.45	79.0	6.7	1	3.0	24.7	0.33	<0.05	7.2	0.152	1.16	5.3
K291321		42.4	92.1	<0.002	0.02	8.93	12.7	1	1.7	250	0.71	<0.05	13.9	0.289	0.98	4.2
K291322		34.7	90.7	<0.002	0.02	5.29	11.8	1	1.6	395	0.66	<0.05	13.0	0.288	0.99	4.5
K291323		97.9	161.0	<0.002	0.95	32.2	11.1	1	1.8	184.0	0.60	<0.05	11.8	0.266	2.62	4.6
K291324		14.0	103.5	<0.002	0.12	18.30	10.0	1	1.5	197.0	0.63	<0.05	10.3	0.260	2.39	2.9
K291325		1255	168.0	<0.002	4.44	59.3	9.0	2	8.0	95.0	0.53	1.01	11.9	0.194	2.55	5.4
K291326		66.4	135.5	<0.002	0.26	18.90	11.6	1	1.7	198.5	0.66	<0.05	13.5	0.274	2.09	3.7
K291327		104.0	167.0	<0.002	0.69	23.7	11.3	1	1.7	214	0.60	<0.05	12.4	0.254	2.61	5.2
K291328		109.5	187.5	<0.002	0.91	26.6	12.0	1	1.7	190.5	0.60	<0.05	13.8	0.265	2.71	5.5
K291329		15.3	123.0	<0.002	0.11	18.85	10.0	1	1.4	210	0.52	<0.05	10.2	0.238	2.23	2.2
K291330		277	161.0	<0.002	2.08	44.3	9.8	1	2.2	157.0	0.49	<0.05	11.1	0.220	2.02	11.2
K291331		40.5	116.5	<0.002	0.30	15.75	11.3	1	1.8	226	0.61	<0.05	12.3	0.275	1.64	3.2
K291332		217	178.0	<0.002	1.55	26.8	9.8	1	4.2	71.1	0.54	<0.05	12.4	0.226	2.30	6.1
K291333		34.2	104.5	<0.002	0.27	19.50	12.0	1	2.2	125.5	0.65	<0.05	13.2	0.272	1.38	3.9
K291334		33.8	96.9	<0.002	0.26	17.85	11.4	1	1.9	123.0	0.64	<0.05	11.9	0.265	1.36	4.0
K291335		19.6	99.5	<0.002	0.15	7.11	10.9	1	1.6	301	0.58	<0.05	10.8	0.258	1.19	3.7
K291336		20.1	104.5	<0.002	0.10	9.77	10.7	1	1.7	284	0.57	<0.05	9.9	0.264	1.59	3.1
K291337		20.3	106.0	<0.002	0.06	8.52	12.4	1	1.8	187.0	0.61	<0.05	11.0	0.283	1.48	3.0
K291338		37.0	177.5	<0.002	0.48	6.12	12.8	1	2.1	93.8	0.59	0.07	12.9	0.281	2.08	4.3
K291339		1575	142.5	0.002	7.46	98.2	8.0	2	10.6	62.3	0.38	0.81	8.8	0.154	2.16	5.2
K291340		116.0	184.5	<0.002	2.01	27.7	11.3	1	4.5	92.3	0.56	0.08	11.6	0.250	2.63	5.2
K291341		453	191.0	<0.002	5.80	59.1	9.5	1	12.6	28.2	0.49	0.09	10.8	0.222	2.22	6.5
K291342		2.8	1.7	<0.002	0.01	0.27	0.2	1	<0.2	46.5	<0.05	<0.05	<0.2	<0.005	0.02	0.7
K291343		1320	194.5	<0.002	4.77	47.3	9.5	1	8.2	99.6	0.59	<0.05	10.8	0.255	2.82	6.5
K291344		14.5	87.0	<0.002	0.07	22.2	7.7	<1	1.3	464	0.80	<0.05	8.3	0.426	1.89	3.3
K291345		2220	109.5	<0.002	3.08	57.7	7.7	1	7.0	386	0.60	<0.05	9.6	0.261	1.83	5.4
K291346		2.7	1.3	<0.002	0.01	0.17	0.1	1	<0.2	48.6	<0.05	<0.05	<0.2	<0.005	0.02	0.7
K291347		45.1	101.0	<0.002	0.15	22.1	8.4	<1	1.4	541	0.80	<0.05	9.1	0.432	1.80	4.6
K291348		2950	163.0	<0.002	5.43	77.7	9.3	1	5.9	52.3	0.46	0.15	10.4	0.228	2.39	5.4
K291349		745	149.0	<0.002	1.45	20.7	12.3	1	3.5	150.0	0.58	<0.05	13.1	0.276	2.19	4.5
K291350		22.2	92.6	<0.002	0.03	30.2	8.5	1	1.3	369	0.67	<0.05	7.7	0.416	1.45	2.9

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 6-SEP-2015
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH15127599

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Pb-OG62	Zn-OG62
	Analyte	V	W	Y	Zn	Zr	Pb	Zn
	Units	ppm	ppm	ppm	ppm	ppm	%	%
	LOR	1	0.1	0.1	2	0.5	0.001	0.001
K291187		149	8.3	14.2	48	11.2		
K291188		104	7.4	12.5	42	8.0		
K291189		66	2.4	11.4	>10000	24.7	1.065	1.225
K291190		80	3.0	15.1	387	29.5		
K291191		75	1.7	14.8	214	29.2		
K291192		53	1.6	8.3	>10000	17.1		2.57
K291321		84	3.9	15.1	109	29.1		
K291322		85	2.3	15.6	90	29.5		
K291323		80	5.0	14.3	179	26.1		
K291324		77	5.1	13.7	63	28.1		
K291325		59	6.1	11.6	2270	29.5		
K291326		81	4.1	16.2	139	28.9		
K291327		78	3.3	15.1	137	24.8		
K291328		80	3.4	15.7	162	27.2		
K291329		71	1.8	15.1	79	23.8		
K291330		70	5.3	14.7	348	23.1		
K291331		79	4.2	14.2	196	29.0		
K291332		68	10.8	10.8	448	24.7		
K291333		77	12.4	14.8	113	31.1		
K291334		78	12.2	14.0	117	28.4		
K291335		75	3.1	13.9	67	27.2		
K291336		77	4.0	14.5	66	25.6		
K291337		82	7.6	15.0	71	29.6		
K291338		82	7.7	15.2	109	26.1		
K291339		53	7.3	9.0	3160	23.7		
K291340		77	9.2	11.7	257	24.5		
K291341		69	10.8	9.1	780	24.0		
K291342		2	0.1	0.8	18	<0.5		
K291343		73	10.5	9.3	2730	47.7		
K291344		85	2.1	13.6	92	187.5		
K291345		68	7.2	9.3	5880	68.5		
K291346		2	0.1	0.8	22	1.0		
K291347		89	3.0	15.5	196	191.5		
K291348		65	12.4	7.4	5740	20.2		
K291349		81	4.3	13.3	1500	28.1		
K291350		87	2.0	15.8	105	172.5		

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VANCOUVER BC V6B 1L8

Project: Klaza

Finalized Date: 6-SEP-2015
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH15127599

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	ME-MS61	ME-OG62	Pb-OG62
Zn-OG62			

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Finalized Date: 6-SEP-2015
Account: ROCKHA

CERTIFICATE WH15127601

Project: KLAZA

P.O. No.: BATCH 140

This report is for 25 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 24-AUG-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
CRU-32	Fine Crushing 90% <2mm
SPL-21	Split sample - riffle splitter
PUL-35a	Pulv 1 kg split to 95%<106 um
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate
PUL-35ad	Pulv 1 kg split to 95%<106 um DUP
BAG-01	Bulk Master for Storage
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
BAG-06	Double Bagging Coarse Rejects
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test

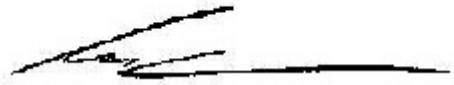
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Zn-OG62	Ore Grade Zn - Four Acid	VARIABLE
As-OG62	Ore Grade As - Four Acid	VARIABLE
Au-AA24	Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
ME-MS61	48 element four acid ICP-MS	
Ag-OG62	Ore Grade Ag - Four Acid	VARIABLE
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Cu-OG62	Ore Grade Cu - Four Acid	VARIABLE
Pb-OG62	Ore Grade Pb - Four Acid	VARIABLE

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.

2103 Dollarton Hwy
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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 6-SEP-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15127601

Sample Description	Method	WEI-21	Au-AA24	Au-GRA22	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs
	Units	kg	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.05	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05
R499454		2.85	2.91		8.15	4.09	210	70	1.29	5.43	2.13	2.52	74.2	389	6	23.1
R499455		2.86	0.507		5.01	5.30	181.5	280	1.59	3.50	2.13	3.05	66.9	356	6	60.2
R499456		4.33	1.770		26.4	3.76	590	100	1.01	4.93	0.74	115.5	93.8	357	13	6.86
R499457		3.89	0.865		12.40	5.26	299	430	1.38	5.71	0.66	67.3	87.3	143.5	7	18.40
R499458		4.96	0.005		0.22	0.10	4.8	30	0.12	0.09	20.9	0.53	1.98	5.2	1	0.31
R499459		1.70	4.82		42.1	4.38	8250	170	1.14	44.2	5.36	132.0	35.9	13.3	9	9.38
R499460		1.05	4.71		63.9	5.07	5060	130	1.11	45.4	3.30	185.5	45.6	10.9	12	10.30
R499461		1.13	8.32		>100	2.72	>10000	60	0.77	343	2.76	54.0	23.4	48.0	11	6.76
R499462		5.10	<0.005		0.21	0.05	12.6	30	0.07	0.50	20.4	0.31	1.21	0.8	1	0.14
R499463		1.59	>10.0	10.15	>100	3.33	>10000	90	0.94	0.56	2.74	297	19.90	3.7	7	7.14
R499464		1.63	0.930		37.2	4.37	3060	680	1.49	0.19	1.55	43.6	35.1	5.0	6	30.1
R499465		1.39	5.69		>100	1.89	>10000	210	0.67	0.30	3.46	390	14.70	4.1	12	6.66
R499466		1.30	6.46		>100	5.86	>10000	290	1.28	0.20	1.62	82.3	39.3	4.7	11	13.05
R499467		0.38	1.605		39.7	5.69	2320	170	1.06	34.9	1.65	45.0	35.4	16.3	23	10.00
R499468		3.36	3.15		57.1	4.11	>10000	120	0.87	0.17	3.42	148.0	17.90	4.8	12	3.36
R499469		2.95	1.910		11.35	4.60	2850	120	0.89	0.36	2.65	15.55	20.7	62.3	13	4.40
R499470		4.06	7.46		>100	1.82	>10000	80	0.48	0.53	2.15	175.5	3.85	46.6	15	3.59
R499471		4.44	0.413		3.36	6.15	637	910	1.20	0.19	2.88	4.54	33.6	3.1	13	6.69
R499472		<0.02	0.292		4.34	6.13	655	930	1.18	0.22	2.88	4.73	33.8	3.4	13	6.80
R499473		1.10	>10.0	68.2	>100	2.70	>10000	110	0.42	1045	0.37	15.35	23.4	41.9	9	3.35
R499474		1.30	4.38		19.45	6.20	4980	400	0.89	52.0	0.22	2.92	47.6	22.8	18	7.02
R499475		1.91	1.685		>100	2.78	5520	50	1.06	5.87	4.38	446	7.49	5.2	8	10.90
R499476		2.31	4.86		>100	3.87	>10000	140	1.09	14.25	1.27	395	23.2	7.4	10	18.90
R499477		5.51	1.005		62.9	4.26	728	1410	3.83	8.14	1.52	123.5	28.3	12.9	11	17.60
R499478		2.89	1.600		>100	3.06	1190	730	3.25	20.2	0.85	445	37.6	10.2	10	3.80

***** See Appendix Page for comments regarding this certificate *****

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 6-SEP-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15127601

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni
	Units	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	LOR	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2
R499454		9.8	9.24	10.25	0.13	0.6	0.211	1.35	42.6	37.1	0.70	1500	18.45	0.03	3.6	17.7
R499455		20.0	8.29	14.30	0.13	0.7	0.218	2.04	40.5	34.4	0.75	1500	3.25	0.07	5.0	4.3
R499456		89.2	17.00	13.25	0.16	0.7	0.442	1.82	53.6	16.2	0.46	2110	14.90	0.05	3.7	8.5
R499457		27.8	6.12	15.50	0.14	0.9	0.360	2.13	53.4	25.3	0.54	1100	17.05	0.07	4.8	5.6
R499458		1.9	0.65	0.27	0.09	<0.1	0.006	0.04	1.1	1.3	12.95	212	0.16	0.01	0.4	1.7
R499459		296	6.56	10.95	0.12	1.2	1.475	1.87	19.4	20.6	1.75	3450	6.01	0.02	5.1	4.2
R499460		243	7.13	12.85	0.11	1.5	1.195	1.47	25.0	43.2	1.14	2730	1.84	0.02	6.7	3.4
R499461		1310	18.20	6.88	0.14	0.9	1.210	1.11	12.9	12.2	0.94	1780	3.24	0.01	3.3	3.1
R499462		3.5	0.47	0.14	0.09	<0.1	0.005	0.02	0.6	1.0	12.60	199	0.10	<0.01	0.1	1.4
R499463		991	5.35	9.57	0.11	0.5	0.486	1.52	10.2	24.8	0.72	8040	1.57	0.01	3.2	2.0
R499464		45.1	2.48	9.51	0.11	0.9	0.084	1.49	19.5	47.3	0.59	1510	32.6	0.02	4.6	2.1
R499465		600	5.06	6.34	0.10	0.3	0.377	0.79	7.9	35.6	0.95	30700	15.05	0.01	1.7	1.6
R499466		380	3.95	14.30	0.10	1.0	0.152	2.58	21.6	28.5	0.58	13750	7.31	0.02	5.9	2.3
R499467		1230	9.06	14.25	0.12	0.8	1.550	2.64	18.6	16.0	0.68	2260	16.85	0.06	4.7	14.2
R499468		70.9	6.24	9.25	0.10	0.8	0.340	1.91	9.4	18.9	1.03	10450	3.53	0.04	4.5	1.8
R499469		14.0	7.98	11.25	0.11	0.8	0.369	1.95	11.5	17.4	0.93	7580	2.79	0.07	4.9	2.8
R499470		319	15.15	7.34	0.12	0.3	0.124	0.51	2.1	23.7	0.75	7620	13.30	0.07	2.1	3.5
R499471		12.1	3.95	12.80	0.12	1.3	0.395	2.90	18.9	7.5	0.87	4490	2.16	0.04	6.8	2.0
R499472		13.6	3.88	13.20	0.12	1.2	0.406	2.92	18.9	7.4	0.87	4510	2.32	0.04	7.0	2.2
R499473		>10000	21.2	7.31	0.16	0.5	8.32	1.31	12.2	9.5	0.30	1230	4.74	0.01	2.5	2.0
R499474		1440	9.22	17.50	0.15	0.9	1.210	2.98	24.7	6.5	0.60	2690	5.09	0.02	6.5	4.2
R499475		751	9.74	6.82	0.11	0.9	0.690	1.02	1.2	13.5	1.75	15700	4.49	0.01	3.3	4.1
R499476		431	6.33	9.78	0.09	0.8	0.682	1.25	11.6	35.1	0.46	1500	30.5	0.02	3.8	4.8
R499477		1230	5.60	11.35	0.11	1.1	1.075	1.73	14.4	45.5	0.37	10550	5.49	0.04	7.3	2.6
R499478		3340	6.66	9.13	0.12	0.4	4.07	1.44	19.0	27.2	0.32	21600	9.35	0.01	2.4	1.7

***** See Appendix Page for comments regarding this certificate *****

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To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 6-SEP-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15127601

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
	LOR	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02
R499454		340	196.0	83.8	0.003	8.11	16.95	6.7	2	5.2	113.5	0.30	2.69	7.3	0.118	1.84
R499455		410	221	126.0	<0.002	6.72	13.00	7.7	2	5.5	79.9	0.43	3.86	7.8	0.161	1.83
R499456		350	6860	95.6	0.002	>10.0	32.2	6.7	2	7.2	49.0	0.39	3.06	7.0	0.126	1.67
R499457		380	3290	130.5	0.003	4.73	38.5	7.8	1	6.7	91.9	0.41	1.78	10.4	0.148	1.98
R499458		170	36.3	1.9	<0.002	0.19	0.42	0.2	1	0.2	47.4	<0.05	0.06	<0.2	0.005	0.02
R499459		430	6150	111.0	<0.002	5.15	97.5	5.1	1	4.7	162.0	0.39	0.76	6.4	0.158	2.00
R499460		550	4490	86.3	<0.002	5.79	101.5	5.6	1	7.1	180.5	0.50	0.66	8.1	0.174	1.77
R499461		320	2170	63.7	0.002	>10.0	239	3.1	2	6.1	118.5	0.24	4.63	4.2	0.100	1.32
R499462		150	24.2	1.1	<0.002	0.02	0.46	0.1	1	<0.2	47.1	<0.05	<0.05	<0.2	<0.005	<0.02
R499463		230	>10000	77.6	<0.002	5.02	1285	4.2	1	13.1	74.3	0.30	<0.05	5.3	0.101	1.62
R499464		450	2310	79.6	<0.002	1.30	113.0	5.3	<1	5.5	443	0.42	<0.05	9.0	0.147	1.55
R499465		110	>10000	45.6	<0.002	4.38	1135	2.4	1	24.8	90.6	0.14	<0.05	3.4	0.055	0.94
R499466		410	1070	132.5	<0.002	2.96	609	7.7	<1	22.0	107.0	0.53	<0.05	10.5	0.183	2.45
R499467		440	1655	148.5	0.002	7.72	100.5	7.9	2	11.2	61.6	0.40	0.70	9.1	0.161	2.25
R499468		250	5930	116.5	<0.002	4.47	164.5	4.3	<1	8.9	80.1	0.41	0.08	6.8	0.127	1.81
R499469		220	876	112.5	<0.002	6.55	39.1	6.7	1	4.7	64.5	0.43	1.30	7.7	0.146	1.80
R499470		30	6640	31.1	<0.002	>10.0	453	5.7	1	9.0	75.5	0.19	1.41	2.2	0.064	0.58
R499471		370	159.5	165.5	<0.002	1.68	26.1	6.2	<1	4.8	58.8	0.59	<0.05	11.5	0.199	2.66
R499472		360	171.0	169.0	<0.002	1.73	27.7	6.3	<1	5.3	59.0	0.58	<0.05	11.8	0.197	2.68
R499473		210	2320	77.9	<0.002	>10.0	401	4.2	2	4.4	20.6	0.20	6.25	4.0	0.087	1.05
R499474		570	185.5	184.0	<0.002	4.92	86.3	12.5	1	7.8	21.2	0.50	0.81	9.2	0.256	2.18
R499475		280	>10000	59.3	<0.002	6.35	521	3.4	1	7.0	180.5	0.25	<0.05	2.2	0.106	1.34
R499476		370	>10000	75.0	0.003	6.70	241	5.5	1	10.2	145.5	0.31	0.20	5.8	0.133	1.41
R499477		190	4690	123.5	<0.002	3.62	309	5.8	1	7.8	146.0	0.39	0.05	7.6	0.141	1.76
R499478		180	>10000	90.1	<0.002	6.31	754	4.3	1	10.7	74.1	0.19	<0.05	8.6	0.079	1.45

***** See Appendix Page for comments regarding this certificate *****

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Finalized Date: 6-SEP-2015
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Project: KLAZA

CERTIFICATE OF ANALYSIS WH15127601

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Ag-OG62	Cu-OG62	Pb-OG62	Zn-OG62	As-OG62
	Analyte	U	V	W	Y	Zn	Zr	Ag	Cu	Pb	Zn	As
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%
	LOR	0.1	1	0.1	0.1	2	0.5	1	0.001	0.001	0.001	0.001
R499454		21.6	64	10.9	11.5	209	17.3					
R499455		8.8	68	12.1	10.4	249	19.5					
R499456		6.6	79	6.4	8.7	7560	18.3					
R499457		18.3	79	6.1	9.3	4780	23.1					
R499458		0.7	3	0.2	0.9	47	0.7					
R499459		4.3	41	4.9	9.0	>10000	43.9				1.070	
R499460		3.9	42	4.4	9.7	>10000	51.6				1.425	
R499461		2.0	25	1.9	6.7	5080	35.6	113				1.575
R499462		0.4	2	0.1	0.8	33	<0.5					
R499463		3.5	31	2.4	5.7	>10000	12.8	870		5.48	1.880	2.47
R499464		11.1	41	3.6	8.8	2870	24.9					
R499465		6.7	17	2.7	6.1	>10000	8.0	810		3.43	2.63	1.995
R499466		5.6	50	7.3	11.0	7540	28.5	294				1.480
R499467		5.6	56	7.4	9.6	3350	23.8					
R499468		1.8	33	11.3	7.9	>10000	19.9				1.035	1.735
R499469		3.8	49	13.5	8.4	1240	23.3					
R499470		4.9	39	12.0	4.5	>10000	7.8	541			1.310	1.905
R499471		7.2	53	24.2	13.6	511	32.9					
R499472		7.8	52	25.2	13.9	508	31.9					
R499473		1.7	31	5.2	5.1	1360	8.9	292	1.050			9.83
R499474		3.3	93	15.6	8.8	297	21.1					
R499475		2.9	26	3.4	7.0	>10000	34.8	454		7.21	3.08	
R499476		8.2	40	7.7	6.5	>10000	26.5	233		1.645	2.64	1.640
R499477		8.8	42	5.0	17.9	>10000	37.3				1.510	
R499478		6.8	30	4.9	7.6	>10000	10.9	179		1.455	5.92	

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VANCOUVER BC V6B 1L8

Project: KLAZA

Finalized Date: 6-SEP-2015
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH15127601

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

BAG-01	BAG-06	CRU-32	CRU-QC
LOG-21	LOG-21d	LOG-23	PUL-35a
PUL-35ad	PUL-QC	SPL-21	SPL-21d
WEI-21			

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Ag-OG62	As-OG62	Au-AA24	Au-GRA22
Cu-OG62	ME-MS61	ME-OG62	Pb-OG62
Zn-OG62			

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VANCOUVER BC V6B 1L8

Finalized Date: 2-SEP-2015
Account: ROCKHA

CERTIFICATE WH15127604

Project: KLAZA

P.O. No.: BATCH 140

This report is for 25 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 24-AUG-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION
C-GAS05	Inorganic Carbon (CO2)

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 2-SEP-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15127604

Sample Description	Method Analyte Units LOR	C-GAS05 C % 0.05	C-GAS05 CO2 % 0.2
R499454		1.15	4.2
R499455		1.08	4.0
R499456		0.73	2.7
R499457		0.52	1.9
R499458		12.30	45.0
R499459		2.72	10.0
R499460		1.95	7.1
R499461		1.51	5.5
R499462		12.45	45.6
R499463		1.48	5.4
R499464		0.81	3.0
R499465		2.55	9.4
R499466		1.07	3.9
R499467		0.98	3.6
R499468		1.87	6.9
R499469		1.39	5.1
R499470		1.21	4.4
R499471		1.60	5.9
R499472		1.61	5.9
R499473		0.55	2.0
R499474		1.15	4.2
R499475		3.72	13.6
R499476		0.64	2.3
R499477		1.16	4.3
R499478		1.53	5.6

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

2103 Dollarton Hwy
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Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: KLAZA

Finalized Date: 2-SEP-2015
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH15127604

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.
C-GAS05

ALS Canada Ltd.

2103 Dollarton Hwy
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C/O ARCHER, CATHRO AND ASSOCIATES
(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Finalized Date: 17-NOV-2015
Account: ROCKHA

CERTIFICATE WH15165471

Project: KLAZA

This report is for 14 Reject samples submitted to our lab in Whitehorse, YT, Canada on 28-OCT-2015.

The following have access to data associated with this certificate:

MATT DUMALA	JOAN MARIACHER	JARED TARSWELL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
FND-03	Find Reject for Addn Analysis
SPL-21	Split sample - riffle splitter
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um

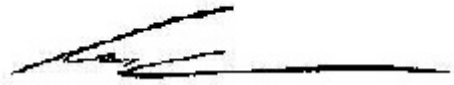
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
OA-VOL08	Basic Acid Base Accounting	
S-IR08	Total Sulphur (Leco)	LECO
OA-ELE07	Paste pH	
S-GRA06	Sulfate Sulfur-carbonate leach	WST-SEQ
S-GRA06a	Sulfate Sulfur (HCl leachable)	WST-SEQ
S-IR07	Sulphide Sulphur (Leco)	LECO
OA-VOL11	Static Net Acid Generation	

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.

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VANCOUVER BC V6B 1L8

Finalized Date: 17-NOV-2015
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH15165471

Sample Description	Method	OA-VOL08	OA-VOL08	OA-VOL08	OA-VOL08	OA-ELE07	OA-VOL08	S-IR08	S-GRA06	S-GRA06a	S-IR07	OA-VOL11	OA-VOL11	OA-VOL11
	Analyte	FIZZ RAT	MPA	NNP	NP	pH	Ratio (N	S	S	S	Sulphide	NAGpH4.5	NAGpH7.0	pH
	Units	Unity	tCaCO3/1Kt	tCaCO3/1Kt	tCaCO3/1Kt	Unity	Unity	%	%	%	%	kg H2SO4/t	kg H2SO4/t	Unity
	LOR	1	0.3	1	1	0.1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.1
K289412		2	1.3	43	44	8.6	35.20	0.04	<0.01	0.01	0.03	<0.01	<0.01	10.6
K289582		2	1.6	49	51	8.2	32.64	0.05	<0.01	0.01	0.05	<0.01	<0.01	9.3
K291106		2	2.2	75	77	8.8	35.20	0.07	0.02	0.02	0.05	<0.01	<0.01	9.3
K290188		2	4.7	42	47	8.3	10.03	0.15	0.02	0.02	0.11	<0.01	<0.01	9.5
M675217		2	21.9	63	85	8.4	3.89	0.70	0.03	0.03	0.56	<0.01	<0.01	9.5
R498597		2	5.3	60	65	8.1	12.24	0.17	0.01	0.01	0.13	<0.01	<0.01	9.6
K291080		2	0.6	58	59	8.3	94.40	0.02	<0.01	0.02	0.02	<0.01	<0.01	9.5
M675010		2	1.3	41	42	8.0	33.60	0.04	<0.01	0.01	0.03	<0.01	<0.01	9.2
R610869		2	0.9	63	64	8.5	68.27	0.03	0.01	0.02	0.02	<0.01	<0.01	11.1
M675221		2	3.1	74	77	8.3	24.64	0.10	0.01	0.01	0.07	<0.01	<0.01	9.1
M675076		2	8.8	64	73	8.5	8.34	0.28	0.01	0.01	0.20	<0.01	<0.01	11.1
K289937		2	0.9	63	64	8.6	68.27	0.03	0.01	0.01	0.01	<0.01	<0.01	11.1
R610674		2	2.5	62	64	8.1	25.60	0.08	0.01	0.01	0.05	<0.01	<0.01	11.3
R610433		2	0.6	39	40	8.4	64.00	0.02	0.01	0.02	0.01	<0.01	<0.01	11.1

***** See Appendix Page for comments regarding this certificate *****

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VANCOUVER BC V6B 1L8

Project: KLAZA

Finalized Date: 17-NOV-2015
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH15165471

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

Applies to Method:				
	FND-03	PUL-31	PUL-QC	SPL-21

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:				
	OA-ELE07	OA-VOL08	OA-VOL11	S-GRA06
	S-GRA06a	S-IR07	S-IR08	

APPENDIX V

GEOLOGICAL AND GEOTECHNICAL LOGS

Klaza - Klaza Project

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		383234	6889013	1400.09	157.58

ZONE: Eastern BRX

SECTION:

HOLE: KL-15-240

CLAIM:

Contractor: Platinum

Drill: 1

Core Size: HQ3

Casing Depth: 1.52m, Out

Drilling Dates: Jun 05 - Jun 07, 2015

Geology Logged By: T. Cruz

SURVEY			
Depth (m)	Azimuth	Dip	Method
5.18	20.39	-48.5	Reflex
157.58	33.6	-48.4	Reflex

TARGET:

SUMMARY			
From (m)	To (m)	Interval (m)	Rock Type
0	1.52	1.52	CAS
1.52	14.61	13.09	GRD
14.61	33.52	18.91	GRD
33.52	41.46	7.94	GRD
41.46	42.3	0.84	VEN
42.3	46.9	4.6	QFP
46.9	47.09	0.19	VEN
47.09	48.71	1.62	GRD
48.71	84.33	35.62	GRD
84.33	88.06	3.73	GRD
88.06	88.89	0.83	FLT
88.89	99.1	10.21	GRD
99.1	107.4	8.3	GRD
107.4	107.85	0.45	VEN
107.85	109.67	1.82	GRD
109.67	109.81	0.14	VEN

SAMPLES	
Numbers:	R498701 to R498804, R499203 to R499209, R499212 to R499215
Total:	115
Batch:	002, 003, 004, 009
Certificates:	WH15083960, WH15086976, WH15086978, WH15086995, WH15092708

COMMENTS

Hanging wall BRX: 41.46-42.30m; Foot wall BRX: 46.90-47.09m; Pika zone: 107.40-107.85m

109.81	116.11	6.3	GRD
116.11	135.93	19.82	GRD
135.93	137.51	1.58	GRD
137.51	139.82	2.31	GRD
139.82	142.53	2.71	GRD
142.53	149.44	6.91	GRD
149.44	157.58	8.14	GRD

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
1.52	4.50	2.98	GRD	MG	Granodiorite with weak-moderate pervasive oxidation and weak-trace patchy argillic alteration.							
						MD	BN	RB	ARG	1I		
						LT	OR	FR	OXI	3I		
4.50	6.59	2.09	GRD	MG	Phyllic and argillic altered granodiorite. Argillic dominates with patch of weak phyllic. Few pyrite stringers and carbonate stringers in phyllic alteration. Strong argillic is reduced to clay-rich sand. Oxidation overprints all previous alteration.							
						LT	OR	PA	ARG	3I	Py	0.01
						LT	GN	FR	PHC	1I		
								RB	OXI	3I		
6.59	8.75	2.16	GRD	MG	Granodiorite with patchy weak phyllic alteration hosting pyrite and carbonate stringers. Pervasive moderate oxidation overprint, with stronger oxidation on fracture surfaces.							
						LT	OR					
						LT	GN		PHC	2I	Py	0.01
						LT	BN		OXI	2I		
8.75	11.75	3.00	GRD	MG	Strong-moderately argillized granodiorite with oxidation overprint. Argillization is intense in short patches, with recovery completely reduced to clays.							
						LT	BN	RB	OXI	3I	Go	3
						LT	OR	FR	ARG	4I	Li	5
11.75	13.04	1.29	GRD	MG	Phyllic and patchy argillic altered granodiorite. Phyllic alteration dominates, with narrow argillic halos on fractures. Few pyrite stringers and carbonate stringers in phyllic alteration. Oxidation overprints all previous alteration.							
						LT	GN		PHC	3I	Py	0.01
						LT	OR		ARG	1I		
						LT	BN		OXI	2I		
13.04	14.61	1.57	GRD	MG	Very rubbly, fractured interval, likely with core loss. Strong oxide staining on fracture surfaces. RQD is zero. Weakly argillized.							
						LT	BN	RB	ARG	1I	Li	10
						LT	OR	FR	OXI	4I	Go	10

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
14.61	19.60	4.99	GRD	MG	Phyllic altered granodiorite with patches of argillic alteration, weak patchy/fracture-limited oxidation, and crosscutting pyrite-bearing milky quartz veinlets.							
						LT	GN	PA	PHC	3I	Py	1
						LT	BN		ARG	2I	Li	1
									OXI	2I		
19.60	21.89	2.29	GRD	MG	Weak argillic and moderate phyllic alteration cut by high density (1 per 15cm) milky quartz veinlets and veins hosting pyrite. Possibly trace arsenopyrite. Weak oxide overprint, stronger on fractures.							
						LT	GN		OXI	1I	Py	2
						LT	BN		ARG	2I		
									PHC	3I		
21.89	23.54	1.65	GRD	MG	Weak argillic, weak phyllic, and moderate oxide overprinted granodiorite. As in prev detailed interval, but with stronger oxidation.							
						LT	BN		OXI	2I	Py	1
									ARG	1I		
									PHC	1I		
23.54	27.33	3.79	GRD	MG	Weak argillic and weak phyllic altered granodiorite with weak oxide overprint. Cut by pyrite stringers.							
						LT	GN		PHC	1I	Py	1
						LT	BN		ARG	1I		
									OXI	2I		
27.33	28.05	0.72	GRD	MG	Short gouged, sandy, fractured interval with strong oxidation.							
						MD	BN	FR	OXI	3I		
								FL				
28.05	29.57	1.52	GRD	MG	Phyllic altered granodiorite with pervasive disseminated pyrite. Cut by milky quartz stringers hosting pyrite.							
						LT	GN		PHC	3I	Py	1
									OXI	1I		
29.57	33.52	3.95	GRD	MG	weak-moderate argillic altered granodiorite cut by netted gouge stringers. Mostly competent, but the most gouge is between 30-31.5m. Weak oxide overprint. Cut by milky quartz veinlets hosting pyrite. Disseminated pyrite throughout. Trace weak potassic alteration.							
						LT	PK	NE	OXI	1I	Py	2

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	GN		ARG	2I		
						LT	BN		POT	1I		
33.52	41.46	7.94	GRD	MG	Moderate-strongly phyllic altered granodiorite with disseminated pyrite and crosscutting quartz/pyrite stringers/veinlets/veins throughout. No oxides present. Patchy silicification in strongest phyllic halo. Pyrite stringers and veinlets are at several varying orientations. Milky quartz veinlets are sometimes crustiform.							
						LT	GN		PHC	3I	Py	5
											As	0.1
41.46	41.72	0.26	GRD	MG	Hanging wall vein zone. Strongly phyllic altered granodiorite is cut by high density sulphide-bearing stringers and two major smoky/milky quartz pyrite veins. Gouged contact with quartz feldspar porphyry dyke. Disseminated-blebby pyrite throughout granodiorite. Trace fine arsenopyrite.							
						LT	GN		PHC	4I	Py	10
											Py	2
											As	1
41.72	41.76	0.04	VEN	CG	Massive quartz-pyrite vein with trace fine arsenopyrite. Pyrite is dominant vein fill. Partially cut by white calcite stringers.							
						MD	BR	MA			Py	55
						MD	GY	BN			As	1
41.76	42.30	0.54	GRD	MG	Strongly phyllic altered granodiorite cut by pyrite stringers at <2cm spacing. High disseminated pyrite content. Rare blebby honey brown sphalerite. Fault gouged contact with quartz feldspar porphyry dyke.							
						LT	GN		PHC	4I	Py	8
						LT	GY				Sp	1
42.30	46.90	4.60	QFP	FG	Light grey quartz feldspar porphyry dyke with faulted contacts with granodiorite. Top contact is rubbly, showing a wider faulting zone. Bottom contact is weakly faulted with 3mm gouge. Quartz feldspar porphyry dyke itself is strongly hydrothermally altered by faulting, with nearly netted gouge zones hosting pebbly semi-rounded clasts. Interstitial calcite is weakly flow aligned near contacts.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	GY	CR	HYD	4I		
									SIL	1I		
									CLY	2I		
46.90	47.09	0.19	VEN	MG	Major footwall vein. Smoky quartz hosting massive-blebby pyrite, disseminated arsenopyrite, blebby honey brown sphalerite, cut by fine white carbonate stringers. Highest concentration of pyrite/arsenopyrite is along the quartz feldspar porphyry dyke contact.							
						MD	GY	MA			Py	5
						MD	BR				Py	5
											As	1
											Sp	1
47.09	48.71	1.62	GRD	MG	Moderately phyllic and weakly argillic altered granodiorite, cut by high frequency veining. Milky quartz-carbonate veinlets are the dominant type, spaced at 1 per 2cm at various orientations. Wider milky quartz-carbonate veins are vuggy, and several host blebby galena and honey brown sphalerite.							
						LT	WH	NE	PHC	4I	Py	10
						LT	GY				Py	2
											Gn	1
											Sp	1
48.71	50.35	1.64	GRD	MG	Weakly argillic, moderately phyllic altered granodiorite with frequent fine pyrite stringers. Stringers are often discontinuous.							
						LT	GN	PA	ARG	1I	Py	1
									PHC	3I		
50.35	54.62	4.27	GRD	MG	Moderately phyllic altered granodiorite with patchy weak propylitic. Trace disseminated pyrite in groundmass. Cut by occasional (1 per 30 cm) fine white carbonate stringers hosting disseminated pyrite. Cut by one larger polymetallic vein at 51.50m, consisting of quartz host, chalcopyrite, arsenopyrite, galena, sphalerite, and pyrite.							
						LT	GN	PA	PHC	2I	Py	0.1
									PRO	1I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
54.62	56.15	1.53	GRD	MG	Moderate phyllic alteration with patches of stronger phyllic around well mineralized polymetallic vein at 54.70m and 55.08m. Cut by milky quartz veins/veinlets and discontinuous pyrite stringers/veinlets. Weak oxidation on fractures due to nearby faulting.							
						LT	BN		ARG	1I	Sp	0.1
						LT	GN		PHC	3I	Py	2
									OXI	1I	Gn	0.1
											As	0.1
56.15	57.99	1.84	GRD	MG	As previous, but lacking significant veining. Minor pyrite-bearing quartz-carbonate veinlets present. Trace pyrite disseminated in groundmass.							
						LT	GN		OXI	1I	Py	0.1
						LT	GY		PHC	2I		
						LT	BN					
57.99	58.36	0.37	FLT	MG	Faulted, crumbled granodiorite with pre-faulting pyrite stringers and some gouge development. Moderate oxide staining.							
						MD	BN	FR	OXI	3I	Py	0.1
								RB	PHC	1I		
58.36	69.19	10.83	GRD	MG	Granodiorite with patchy weak phyllic, weak argillic, and weak propylitic alteration cut by occasional well mineralized veins, pyrite stringers, and rare aplite dyklets.							
						MD	GN		PRO	1I		
						LT	GN	PA	PHC	1I	Py	0.1
									ARG	1I		
69.19	71.10	1.91	GRD	MG	Moderately phyllic and weak patchy argillic/propylitic altered granodiorite with weak oxides on fracture surfaces. Disseminated pyrite hosted in groundmass. Cut by milky quartz veins and smoky quartz-pyrite stringers.							
						MD	GN		ARG	2I		
						LT	GN		PHC	3I	Py	1
						LT	BN		PRO	2I		
									OXI	1I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
71.10	72.24	1.14	GRD	MG	Moderately oxide stained, rubbly, strongly phyllic granodiorite with medium-grained crystalline pyrite and galena. Pyrite is crumbled and sandy due to fracturing and weathering. Galena is blebby and generally exhibits poor crystal habit (unusual for galena in this property). Cut by milky-clear quartz veinlets hosting blebby pyrite.							
						LT	GY	RB	PHC	4I	Gn	1
						LT	BN	FR	OXI	2I	Py	2
72.24	73.04	0.80	GRD	MG	Strongly phyllic altered granodiorite with high silica content. High percentage of disseminated-blebby pyrite in the groundmass. Oxides on fracture faces. Cut by quartz-pyrite veins.							
						MD	GY		PHC	4I	Py	2
						LT	BN		OXI	1I	Py	2
73.04	74.37	1.33	GRD	MG	Moderate argillic and moderate phyllic altered granodiorite with weak oxidation on fractures. Cut by pyrite stringers.							
						LT	BN		ARG	3I		
						LT	GY		OXI	1I		
						LT	GN		PHC	3I	Py	1
74.37	78.51	4.14	GRD	MG	Granodiorite with patchy weak propylitic, phyllic, and argillic alterations. Weak oxide staining on fractures. Fine disseminated pyrite throughout groundmass. Pyrite is also hosted in milky quartz stringers.							
						MD	GN	PA	PRO	2I	Py	1
						LT	GN		ARG	2I		
						LT	BN		PHC	2I		
									OXI	1I		
78.51	82.85	4.34	GRD	MG	Moderate-weak propylitic and patchy argillic/phyllic altered granodiorite. Obvious faulting near 82m, with gouge, intense fracturing, and strong oxide staining. Disseminated pyrite in groundmass and in stringers. Rubbly recovery.							
						MD	BN	FR	ARG	1I		
						LT	GN	RB	PRO	3I	Py	0.1
									PHC	1I		
									OXI	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
82.85	84.33	1.48	GRD	MG	Strongly phyllic and weakly argillic altered granodiorite, with disseminated pyrite and crosscutting pyrite-milky quartz stringers. Weak oxidation on fractures.							
						LT	GN		PHC	3I	Py	3
						LT	BN		ARG	2I		
									OXI	1I		
87.33	88.06	0.73	GRD	MG	Moderate argillic altered granodiorite with weak phyllic, bordering a fault. Cut by clear quartz-pyrite veinlets. Weak disseminated pyrite in groundmass. Trace pyrite on fractures.							
						MD	GY		ARG	2I	Py	0.1
						LT	WH		OXI	1I		
						LT	GN		PHC	1I		
88.06	88.89	0.83	FLT	FG	Fault with well developed gouge and moderate-weak oxide staining. Interval is approximately 50% gouge, 50% rubbly recovery. Trace disseminated pyrite throughout.							
						LT	BN	RB	CLY	3I	Py	0.1
						LT	GY	PB	OXI	1I		
88.89	91.62	2.73	GRD	MG	Patch of strongly phyllic altered granodiorite adjacent to the fault. Variable silicification, typically more intense around quartz-pyrite stringers/veinlets. Disseminated pyrite within the groundmass. Oxides on the fracture faces. Short sections of weak argillic alteration tending towards crumbly fracture faces.							
						LT	GN	PA	PHC	4I	Py	1
						LT	BN		ARG	1I		
									OXI	1I		
91.62	99.10	7.48	GRD	MG	Relatively fresh granodiorite, with patchy weak propylitic alteration and weak oxidation on fractures. Pyrite on some fractures.							
						MD	GY		PRO	2I	Py	0.1
						MD	GN		OXI	1I		
99.10	100.85	1.75	GRD	MG	Moderate phyllic altered granodiorite with weak silicification beginning to blur primary crystal textures. Disseminated pyrite in groundmass and pyrite veinlets.							
						LT	GN		PHC	4I	Py	2
									SIL	1I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
100.85	101.72	0.87	GRD	MG	Strongly phyllic altered granodiorite cut by quartz-pyrite veins with strongly silicified halos. Weak-trace oxidation on fracture faces. Disseminated pyrite in groundmass.							
						LT	GN		SIL	3I		
						LT	GY		PHC	4I	Py	3
101.72	103.00	1.28	GRD	MG	Patchy argillic and phyllic alteration lacking veining.							
						LT	WH		PHC	2I		
						LT	GN		ARG	2I		
103.00	107.40	4.40	GRD	MG	Generally argillic altered granodiorite with weak phyllic-silicified halos on pyrite-bearing veins.							
						LT	WH	PA	ARG	3I		
						LT	GN		PHC	2I		
						LT	GY		SIL	1I		
107.40	107.85	0.45	VEN	MG	Smoky quartz vein with large amounts of intergrown massive pyrite and chalcopyrite. Crosscut by later pyrite stringers.							
						MD	BR				Py	15
						MD	GY				Cp	40
107.85	109.67	1.82	GRD	MG	Strongly phyllic altered granodiorite cut by pyrite-bearing veinlets/stringers with strongly silicified halos.							
						LT	WH		SIL	1I		
						LT	GY		PHC	4I	Py	3
109.67	109.81	0.14	VEN	MG	White quartz vein with over 50% massive pyrite. A 1cm milky quartz-blebby galena vein parallels the upper selvedge.							
						MD	BR				Py	60
						LT	WH					
109.81	116.11	6.30	GRD	MG	Patchy phyllic and argillic altered granodiorite cut by several quartz-pyrite veins that were introduced at high temperatures, evidenced by strong argillic halos and recrystallization directly adjacent to their selvedges.							
						LT	WH	PA	ARG	3I	Py	2
						LT	GN		PHC	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
116.11	117.02	0.91	GRD	MG	Relatively fresh granodiorite, with patchy weak propylitic alteration and clay near faults. Faulting on several planes between 117-122m. Pyrite mineralization is negligible, only in rare stringers and absent in groundmass.							
						MD	GY					
						MD	GN		PRO	2I		
						LT	GY					
117.02	117.77	0.75	FLT	FG	Rubbly-crumbled fault with weak clay development, mainly rock flour. Weak oxidation.							
						LT	GY	RB	OXI	1I		
						LT	BN	FR				
117.77	135.93	18.16	GRD	MG	Relatively fresh granodiorite, with patchy weak propylitic alteration and clay near faults. Faulting on several planes between 117-122m. Pyrite mineralization is negligible, only in rare stringers and absent in groundmass.							
						MD	GY		PRO	2I		
						MD	GN					
135.93	137.51	1.58	GRD	MG	Moderately phyllic altered granodiorite with crosscutting quartz-pyrite veins and veinlets. Weak oxide staining near fault. Disseminated pyrite in groundmass.							
						LT	GN		PHC	4I	Py	1
137.51	139.82	2.31	GRD	MG	Fractured and oxide stained fault through phyllic granodiorite. Little gouge development, some clay alteration on fractures. Cut by quartz-pyrite veins.							
						LT	GY	RB	PHC	3I	Py	1
						LT	BN	FR	OXI	1I		
139.82	142.53	2.71	GRD	MG	Patchy argillic and phyllic granodiorite with minor recrystallization halos on crosscutting clear-milky quartz-pyrite veins.							
						LT	GN	PA	ARG	2I	Py	1
						LT	WH		PHC	2I		
142.53	143.85	1.32	GRD	MG	Relatively fresh granodiorite with weak-moderate propylitic alteration. Cut by rare pyrite stringers.							
						MD	GY					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GN		PRO	3I	Py	0.1
143.85	144.98	1.13	GRD	MG	Short interval of moderate phyllic granodiorite cut by 3 quartz-pyrite veins.							
						LT	GN		PHC	3I	Py	3
						LT	GY					
144.98	149.44	4.46	GRD	MG	Relatively fresh granodiorite with weak-moderate propylitic alteration. Cut by rare pyrite stringers.							
						MD	GN		PRO	3I	Py	0.1
						MD	GY					
149.44	157.58	8.14	GRD	MG	Granodiorite with patchy argillic-phyllic alteration related to crosscutting quartz-pyrite veins. Phyllic and argillic tend to overprint each other, though phyllic dominates in vein halos.							
						MD	GN	PA	ARG	2I	Py	0.1
						LT	GN		PHC	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
1.52	14.61	13.09	GRD	MG	Top of hole is granodiorite with patchy argillic and phyllic alteration. Argillic alteration is moderate-strong, core is rubbly and crumbled in several locations due to intense argillization and weathering. Overprinting surface weathering/oxidation is pervasive at first, with decreasing intensity. Many fracture faces are heavily stained orange-brown-black. Phyllic altered patches have few pyrite-bearing stringers/veinlets and carbonate stringers. Some pyrite-bearing veinlets have chlorite.							
						MD	BN	PA	PHC	2I	Py	0.01
						LT	OR		ARG	3I		
						LT	GN		OXI	3I		
14.61	33.52	18.91	GRD	MG	Phyllic altered granodiorite with patches of argillic alteration, weak patchy/fracture-limited oxidation, and crosscutting pyrite-bearing milky quartz veinlets.							
						LT	GN	PA	PHC	3I	Py	1
						LT	BN		ARG	2I	Li	1
									OXI	2I		
33.52	41.46	7.94	GRD	MG	Moderate-strongly phyllic altered granodiorite with disseminated pyrite and crosscutting quartz/pyrite stringers/veinlets/veins throughout. No oxides present. Patchy silicification in strongest phyllic halo. Pyrite stringers and veinlets are at several varying orientations. Milky quartz veinlets are sometimes crustiform.							
						LT	GN		PHC	3I	Py	5
											As	0.1
41.46	42.30	0.84	VEN	MG	Hanging wall vein zone. Strongly phyllic altered granodiorite is cut by high density sulphide-bearing stringers and two major smoky/milky quartz pyrite veins. Gouged contact with quartz feldspar porphyry dyke. Disseminated-blebby pyrite throughout granodiorite. Trace fine arsenopyrite.							
											As	1
											Py	2
						LT	GN		PHC	4I	Py	10

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
42.30	46.90	4.60	QFP	FG	Light grey quartz feldspar porphyry dyke with faulted contacts with granodiorite. Top contact is rubbly, showing a wider faulting zone. Bottom contact is weakly faulted with 3mm gouge. Quartz feldspar porphyry dyke itself is strongly hydrothermally altered by faulting, with nearly netted gouge zones hosting pebbly semi-rounded clasts. Interstitial calcite is weakly flow aligned near contacts.							
									CLY	2I		
									SIL	1I		
						LT	GY	CR	HYD	4I		
46.90	47.09	0.19	VEN	MG	Major footwall vein. Smoky quartz hosting massive-blebby pyrite, disseminated arsenopyrite, blebby honey brown sphalerite, cut by fine white carbonate stringers. Highest concentration of pyrite/arsenopyrite is along the quartz feldspar porphyry dyke contact.							
											Sp	1
											As	1
						MD	BR				Py	5
						MD	GY	MA			Py	5
47.09	48.71	1.62	GRD	MG	Moderately phyllic and weakly argillic altered granodiorite, cut by high frequency veining. Milky quartz-carbonate veinlets are the dominant type, spaced at 1 per 2cm at various orientations. Wider milky quartz-carbonate veins are vuggy, and several host blebby galena and honey brown sphalerite.							
											Py	2
											Py	10
						LT	GY				Sp	1
						LT	WH	NE	PHC	4I	Gn	1
48.71	84.33	35.62	GRD	MG	Patchy moderate phyllic and weak argillic altered granodiorite near the vein zone. Initially cut by frequent pyrite stringers/veinlets, which become less frequent with distance from vein zone. Short zones of propylitic alteration and fault-related oxidation.							
						LT	GY		ARG	2I		
						LT	GN	PA	PHC	3I	Py	0.1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
88.06	88.89	0.83	FLT	FG	Fault with well developed gouge and moderate-weak oxide staining. Interval is approximately 50% gouge, 50% rubbly recovery. Trace disseminated pyrite throughout.							
						LT	BN	RB	CLY	3I	Py	0.1
						LT	GY	PB	OXI	1I		
88.89	99.10	10.21	GRD	MG	Relatively fresh or weakly propylitic altered granodiorite with patches of phyllic. Trace disseminated pyrite in groundmass and pyrite-bearing veinlets in phyllic patches. Weak oxidation on fractures.							
						LT	BN		PRO	1I		
						LT	GN		PHC	1I		
						MD	GY	PA	OXI	1I	Py	0.1
99.10	107.40	8.30	GRD	MG	Patchy phyllic and argillic alteration leading up to a pair of significant veins. Some phyllic alteration has a high quartz content, especially in diffuse veinlet halos. Some trace potassic alteration is present in argillic patches. Cut by quartz-pyrite veinlets and veins with wide silicified halos. Disseminated pyrite in groundmass.							
						LT	GY		PHC	4I		
						LT	WH		ARG	3I		
									SIL	1I		
						LT	GN	PA	POT	1I	Py	1
107.40	107.85	0.45	VEN	MG	Smoky quartz vein with large amounts of intergrown massive pyrite and chalcopyrite. Crosscut by later pyrite stringers.							
						MD	BR				Py	15
						MD	GY				Cp	40
107.85	109.67	1.82	GRD	MG	Strongly phyllic altered granodiorite cut by pyrite-bearing veinlets/stringers with strongly silicified halos.							
						LT	WH		SIL	1I		
						LT	GY		PHC	4I	Py	3
109.67	109.81	0.14	VEN	MG	White quartz vein with over 50% massive pyrite. A 1cm milky quartz-blebby galena vein parallels the upper selvedge.							
						MD	BR				Py	60

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	WH					
109.81	116.11	6.30	GRD	MG	Patchy phyllic and argillic altered granodiorite cut by several quartz-pyrite veins that were introduced at high temperatures, evidenced by strong argillic halos and recrystallization directly adjacent to their selvedges.							
						LT	WH	PA	ARG	3I	Py	2
						LT	GN		PHC	2I		
116.11	135.93	19.82	GRD	MG	Relatively fresh granodiorite, with patchy weak propylitic alteration and clay near faults. Faulting on several planes between 117-122m. Pyrite mineralization is negligible, only in rare stringers and absent in groundmass.							
						LT	GY					
						MD	GY					
						MD	GN		PRO	2I		
135.93	137.51	1.58	GRD	MG	Moderately phyllic altered granodiorite with crosscutting quartz-pyrite veins and veinlets. Weak oxide staining near fault. Disseminated pyrite in groundmass.							
						LT	GN		PHC	4I	Py	1
137.51	139.82	2.31	GRD	MG	Fractured and oxide stained fault through phyllic granodiorite. Little gouge development, some clay alteration on fractures. Cut by quartz-pyrite veins.							
						LT	GY	RB	PHC	3I	Py	1
						LT	BN	FR	OXI	1I		
139.82	142.53	2.71	GRD	MG	Patchy argillic and phyllic granodiorite with minor recrystallization halos on crosscutting clear-milky quartz-pyrite veins.							
						LT	WH		PHC	2I		
						LT	GN	PA	ARG	2I	Py	1
142.53	149.44	6.91	GRD	MG	Relatively fresh granodiorite with weak-moderate propylitic alteration. Cut by rare pyrite stringers.							
						MD	GY					
						MD	GN		PRO	3I	Py	0.1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
149.44	157.58	8.14	GRD	MG	Granodiorite with patchy argillic-phyllic alteration related to crosscutting quartz-pyrite veins. Phyllic and argillic tend to overprint each other, though phyllic dominates in vein halos. EOH							
						MD	GN	PA	ARG	2I	Py	0.1
						LT	GN		PHC	3I		

KL-15-240

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
0.00	1.52	1.52	0	0	0.00	0	--	--	--	Casing/overburden (no recovery)
1.52	5.18	3.66	1.2	33	0.36	10	--	3H	3W	
5.18	8.23	3.05	2.27	74	1.35	44	--	3H	2W	
8.23	11.28	3.05	2.51	82	1.18	39	--	3H	2W	
11.28	14.30	3.02	2.66	88	1.13	37	--	4H	3W	
14.30	17.37	3.07	2.29	75	1.65	54	--	3H	2W	
17.37	20.42	3.05	2.46	81	2.26	74	--	4H	2W	
20.42	23.47	3.05	2	66	1.19	39	--	3H	2W	
23.47	26.52	3.05	2.42	79	1.98	65	--	3H	2W	
26.52	29.57	3.05	2.02	66	1.14	37	--	3H	2W	
29.57	32.61	3.04	1.64	54	0.41	13	--	2H	2W	
32.61	35.66	3.05	2.45	80	2.25	74	--	3H	2W	
35.66	38.71	3.05	2.9	95	2.53	83	--	4H	1W	
38.71	41.76	3.05	2.96	97	2.62	86	--	4H	1W	
41.76	44.81	3.05	3	98	0.85	28	--	3H	1W	
44.81	47.85	3.04	3	99	0.55	18	--	3H	1W	
47.85	50.90	3.05	2.75	90	2.49	82	--	4H	1W	
50.90	53.95	3.05	2.65	87	2.26	74	--	4H	1W	
53.95	57.00	3.05	3.01	99	2.32	76	--	3H	1W	
57.00	60.05	3.05	2.76	90	2.08	68	--	4H	1W	
60.05	63.09	3.04	3.04	100	2.90	95	--	4H	1W	
63.09	66.14	3.05	3.05	100	2.91	95	--	4H	1W	
66.14	69.19	3.05	2.92	96	1.61	53	--	4H	1W	
69.19	72.24	3.05	2.66	87	1.48	49	--	4H	1W	
72.24	75.29	3.05	2.14	70	1.25	41	--	4H	1W	
75.29	78.33	3.04	2.66	88	1.81	60	--	4H	1W	
78.33	81.38	3.05	2.13	70	0.86	28	--	3H	1W	
81.38	84.42	3.04	2.37	78	1.36	45	--	3H	1W	
84.42	87.47	3.05	2.7	89	2.11	69	--	4H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
87.47	90.52	3.05	2.38	78	0.88	29	--	3H	1W	
90.52	93.57	3.05	2.77	91	1.95	64	--	4H	1W	
93.57	96.62	3.05	2.37	78	1.26	41	--	4H	1W	
96.62	99.67	3.05	2.79	91	2.04	67	--	4H	1W	
99.67	102.72	3.05	3	98	1.53	50	--	4H	1W	
102.72	105.77	3.05	3.05	100	2.14	70	--	4H	1W	
105.77	108.81	3.04	2.76	91	1.72	57	--	4H	1W	
108.81	111.86	3.05	3	98	2.02	66	--	4H	1W	
111.86	114.91	3.05	2.88	94	2.23	73	--	4H	1W	
114.91	117.96	3.05	2.75	90	1.28	42	--	4H	1W	
117.96	121.00	3.04	2.23	73	1.60	53	--	4H	1W	
121.00	124.05	3.05	2.12	70	1.41	46	--	4H	1W	
124.05	127.10	3.05	2.91	95	2.07	68	--	4H	1W	
127.10	130.15	3.05	2.97	97	2.86	94	--	4H	1W	
130.15	133.20	3.05	2.96	97	2.52	83	--	4H	1W	
133.20	136.25	3.05	2.89	95	1.77	58	--	4H	1W	
136.25	139.29	3.04	2.74	90	1.10	36	--	3H	1W	
139.29	142.34	3.05	2.74	90	1.74	57	--	4H	1W	
142.34	145.39	3.05	2.96	97	2.33	76	--	4H	1W	
145.39	148.44	3.05	2.93	96	2.48	81	--	4H	1W	
148.44	151.49	3.05	2.9	95	2.56	84	--	4H	1W	
151.49	154.53	3.04	2.97	98	2.67	88	--	4H	1W	
154.53	157.58	3.05	2.95	97	2.49	82	--	4H	1W	

KL-15-240

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
0.00	0.00	0.00	-QC-	0.00	0	R499212	☐	15-009	HG 1	ME-140	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R498721	☐	15-002			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R498729	☐	15-002		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R498731	☐	15-002			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R498761	☐	15-003		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R498764	☐	15-003		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R498766	☐	15-003			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R498769	☐	15-003			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R498777	☐	15-004		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R498781	☐	15-004			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R498784	☐	15-004		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R498793	☐	15-004			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R499207	☐	15-009	HG 1		☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R498718	☐	15-002		KL-STD4	☐	☐	☐
19.42	20.90	1.48	GRD	1.48	100	R498701	☐	15-002			☐	☐	☐
20.90	21.90	1.00	GRD	0.67	67	R498702	☐	15-002			☐	☐	☐
21.90	23.53	1.63	GRD	1.52	93	R498703	☐	15-002			☐	☐	☐
23.53	25.10	1.57	GRD	1.52	97	R498704	☐	15-002			☐	☐	☐
23.53	25.10	1.57	GRD	1.52	97	R498705	☐	15-002			☐	☑	☐
25.10	26.10	1.00	GRD	0.83	83	R498706	☐	15-002			☐	☐	☐
26.10	27.78	1.68	GRD	1.18	70	R498707	☐	15-002			☐	☐	☐
27.78	28.25	0.47	GRD	0.41	87	R498708	☐	15-002			☐	☐	☐
28.25	29.57	1.32	GRD	1.32	100	R498709	☐	15-002			☐	☐	☐
29.57	31.60	2.03	GRD	1.46	72	R498710	☐	15-002			☐	☐	☐
31.60	32.75	1.15	GRD	1.01	88	R498711	☐	15-002			☐	☐	☐
32.75	33.50	0.75	GRD	0.75	100	R498712	☐	15-002			☐	☐	☐
33.50	34.50	1.00	GRD	0.97	97	R498713	☐	15-002			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
34.50	35.05	0.55	GRD	0.55	100	R498714	☐	15-002			☐	☐	☐
35.05	36.05	1.00	GRD	0.99	99	R498715	☐	15-002			☐	☐	☐
35.05	36.05	1.00	GRD	0.99	99	R498716	☐	15-002			☐	☐	☑
36.05	37.80	1.75	GRD	1.47	84	R498717	☐	15-002			☐	☐	☐
37.80	38.71	0.91	GRD	0.90	99	R498719	☐	15-002			☐	☐	☐
38.71	39.67	0.96	GRD	0.95	99	R498720	☐	15-002			☐	☐	☐
39.67	40.92	1.25	GRD	1.13	90	R498722	☐	15-002			☐	☐	☐
40.92	41.49	0.57	GRD	0.52	91	R498723	☐	15-002			☐	☐	☐
41.49	41.83	0.34	VEN	0.24	71	R499203	☐	15-009	HG 1		☐	☐	☐
41.83	42.30	0.47	VEN	0.47	100	R498724	☐	15-002			☐	☐	☐
42.30	43.16	0.86	VEN, QFP	0.84	98	R498725	☐	15-002			☐	☐	☐
43.16	44.60	1.44	QFP	1.40	97	R498726	☐	15-002			☐	☐	☐
44.60	45.86	1.26	QFP	1.25	99	R498727	☐	15-002			☐	☐	☐
45.86	46.90	1.04	QFP	1.04	100	R498728	☐	15-002			☐	☐	☐
46.90	47.07	0.17	VEN, QFP	0.17	100	R499204	☐	15-009	HG 1		☐	☐	☐
47.07	47.58	0.51	VEN	0.51	100	R499205	☐	15-009	HG 1		☐	☐	☐
47.58	48.18	0.60	GRD	0.50	83	R498730	☐	15-002			☐	☐	☐
48.18	48.71	0.53	GRD	0.53	100	R498732	☐	15-002			☐	☐	☐
48.71	50.35	1.64	GRD, GRD	1.33	81	R498733	☐	15-002			☐	☐	☐
50.35	51.18	0.83	GRD	0.77	93	R498734	☐	15-002			☐	☐	☐
51.18	51.60	0.42	GRD	0.42	100	R499206	☐	15-009	HG 1		☐	☐	☐
51.60	52.36	0.76	GRD	0.76	100	R498735	☐	15-002			☐	☐	☐
52.36	54.62	2.26	GRD	1.91	85	R498736	☐	15-002			☐	☐	☐
54.62	55.33	0.71	GRD	0.61	86	R499208	☐	15-009	HG 1		☐	☐	☐
55.33	55.83	0.50	GRD	0.50	100	R498737	☐	15-003			☐	☐	☐
55.83	57.51	1.68	GRD	1.67	99	R498738	☐	15-003			☐	☐	☐
57.51	57.99	0.48	GRD	0.48	100	R498739	☐	15-003			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
57.99	58.36	0.37	GRD	0.37	100	R498740	☐	15-003			☐	☐	☐
58.36	61.09	2.73	GRD	2.65	97	R498741	☐	15-003			☐	☐	☐
61.09	62.45	1.36	GRD	1.36	100	R498742	☐	15-003			☐	☐	☐
62.45	63.45	1.00	GRD	1.00	100	R498743	☐	15-003			☐	☐	☐
63.45	64.30	0.85	GRD	0.85	100	R498744	☐	15-003			☐	☐	☐
64.30	65.88	1.58	GRD	1.58	100	R498745	☐	15-003			☐	☐	☐
64.30	65.88	1.58	GRD	1.58	100	R498746	☐	15-003			☐	☐	☑
65.88	66.52	0.64	GRD	0.64	100	R498747	☐	15-003			☐	☐	☐
66.52	68.61	2.09	GRD	2.09	100	R498748	☐	15-003			☐	☐	☐
68.61	69.33	0.72	GRD	0.72	100	R498749	☐	15-003			☐	☐	☐
69.33	69.83	0.50	GRD	0.50	100	R499209	☐	15-009	HG 1		☐	☐	☐
69.83	71.10	1.27	GRD	1.27	100	R498750	☐	15-003			☐	☐	☐
71.10	72.21	1.11	GRD	0.75	68	R498751	☐	15-003			☐	☐	☐
72.21	73.09	0.88	GRD	0.88	100	R498752	☐	15-003			☐	☐	☐
73.09	74.37	1.28	GRD	1.21	95	R498753	☐	15-003			☐	☐	☐
74.37	75.65	1.28	GRD	1.28	100	R498754	☐	15-003			☐	☐	☐
75.65	77.46	1.81	GRD	1.68	93	R498755	☐	15-003			☐	☐	☐
75.65	77.46	1.81	GRD	1.68	93	R498756	☐	15-003			☐	☑	☐
77.46	78.51	1.05	GRD	1.05	100	R498757	☐	15-003			☐	☐	☐
78.51	80.08	1.57	GRD	1.49	95	R498758	☐	15-003			☐	☐	☐
80.08	81.81	1.73	GRD	1.73	100	R498759	☐	15-003			☐	☐	☐
81.81	82.85	1.04	GRD	0.94	90	R498760	☐	15-003			☐	☐	☐
82.85	84.33	1.48	GRD	1.48	100	R498762	☐	15-003			☐	☐	☐
84.33	86.37	2.04	GRD, GRD	2.03	100	R498763	☐	15-003			☐	☐	☐
86.37	88.06	1.69	GRD	1.59	94	R498765	☐	15-003			☐	☐	☐
88.06	88.89	0.83	FLT, GRD	0.53	64	R498767	☐	15-003			☐	☐	☐
88.89	90.25	1.36	FLT, GRD	1.14	84	R498768	☐	15-003			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
90.25	92.11	1.86	GRD	1.85	99	R498770	☐	15-003			☐	☐	☐
92.11	93.66	1.55	GRD	1.44	93	R498771	☐	15-003			☐	☐	☐
93.66	94.36	0.70	GRD	0.63	90	R498772	☐	15-003			☐	☐	☐
94.36	96.62	2.26	GRD	2.15	95	R498773	☐	15-004			☐	☐	☐
94.36	96.62	2.26	GRD	2.15	95	R498774	☐	15-004			☐	☐	☑
96.62	99.10	2.48	GRD	2.38	96	R498775	☐	15-004			☐	☐	☐
99.10	100.85	1.75	GRD, GRD	1.67	95	R498776	☐	15-004			☐	☐	☐
100.85	101.72	0.87	GRD	0.86	99	R498778	☐	15-004			☐	☐	☐
101.72	103.00	1.28	GRD	1.28	100	R498779	☐	15-004			☐	☐	☐
103.00	104.30	1.30	GRD	1.30	100	R498780	☐	15-004			☐	☐	☐
104.30	106.82	2.52	GRD	1.51	60	R498782	☐	15-004			☐	☐	☐
106.82	107.40	0.58	GRD	0.55	95	R498783	☐	15-004			☐	☐	☐
107.40	107.92	0.52	GRD, VEN	0.46	88	R499213	☐	15-009	HG 1		☐	☐	☐
107.92	109.21	1.29	GRD	1.29	100	R499214	☐	15-009	HG 1		☐	☐	☐
109.21	109.81	0.60	GRD	0.56	93	R499215	☐	15-009	HG 1		☐	☐	☐
109.81	110.63	0.82	GRD, VEN	0.82	100	R498785	☐	15-004			☐	☐	☐
110.63	111.86	1.23	GRD	1.23	100	R498786	☐	15-004			☐	☐	☐
111.86	113.20	1.34	GRD	1.26	94	R498787	☐	15-004			☐	☐	☐
136.89	137.52	0.63	GRD	0.60	95	R498788	☐	15-004			☐	☐	☐
137.52	138.89	1.37	GRD	1.14	83	R498789	☐	15-004			☐	☐	☐
138.89	139.82	0.93	GRD	0.93	100	R498790	☐	15-004			☐	☐	☐
139.82	140.88	1.06	GRD, GRD	1.01	95	R498791	☐	15-004			☐	☐	☐
140.88	142.05	1.17	GRD	1.02	87	R498792	☐	15-004			☐	☐	☐
142.05	143.85	1.80	GRD	1.80	100	R498794	☐	15-004			☐	☐	☐
143.85	144.98	1.13	GRD	0.93	82	R498795	☐	15-004			☐	☐	☐
144.98	146.63	1.65	GRD	1.65	100	R498796	☐	15-004			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
144.98	146.63	1.65	GRD	1.65	100	R498797	☐	15-004			☐	☑	☐
146.63	148.94	2.31	GRD	2.28	99	R498798	☐	15-004			☐	☐	☐
148.94	149.44	0.50	GRD	0.50	100	R498799	☐	15-004			☐	☐	☐
149.44	151.77	2.33	GRD, GRD	2.20	94	R498800	☐	15-004			☐	☐	☐
151.77	153.45	1.68	GRD	1.59	95	R498801	☐	15-004			☐	☐	☐
153.45	154.63	1.18	GRD	1.18	100	R498802	☐	15-004			☐	☐	☐
154.63	155.77	1.14	GRD	1.14	100	R498803	☐	15-004			☐	☐	☐
155.77	157.58	1.81	GRD	1.71	94	R498804	☐	15-004			☐	☐	☐

Klaza - Klaza Project

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		382638	6890388	1357.07	291.68

ZONE: Central Klaza

SECTION:

HOLE: KL-15-241

CLAIM:

Contractor: Platinum

Drill: 2

Core Size: HQ

Casing Depth: 4.1m, Out

Drilling Dates: Jun 06 - Jun 09, 2015

Geology Logged By: D. Walsh

SURVEY			
Depth (m)	Azimuth	Dip	Method
17.37	34.1	-50.5	Reflex
291.67	41	-48.5	Reflex

TARGET:

SUMMARY			
From (m)	To (m)	Interval (m)	Rock Type
0	4.1	4.1	CAS
4.1	32.21	28.11	GRD
32.21	32.77	0.56	GRD
32.77	33.5	0.73	BXA
33.5	33.91	0.41	GRD
33.91	42	8.09	GRD
42	43.7	1.7	GRD
43.7	124.66	80.96	GRD
124.66	139.6	14.94	GRD
139.6	142.31	2.71	GRD
142.31	144.22	1.91	GRD
144.22	148.9	4.68	GRD
148.9	165	16.1	GRD
165	173.16	8.16	GRD
173.16	178.52	5.36	GRD
178.52	186.25	7.73	GRD

SAMPLES	
Numbers:	R498201 to R498304, R499201 to R499202, R499210 to R499211, R499216, R499223 to R499227
Total:	114
Batch:	001, 005, 006, 009
Certificates:	WH15086964, WH15086981, WH15086982, WH15086995

COMMENTS

Metric rods until 185m - then switched to 10 ft.

186.25	193	6.75	GRD
193	196.17	3.17	GRD
196.17	202.22	6.05	QFP
202.22	205.5	3.28	GRD
205.5	207.9	2.4	GRD
207.9	211.39	3.49	GRD
211.39	217.25	5.86	GRD
217.25	222.19	4.94	QFP
222.19	222.94	0.75	GRD
222.94	225.25	2.31	GRD
225.25	235.89	10.64	QFP
235.89	237.19	1.3	GRD
237.19	248.4	11.21	GRD
248.4	256.37	7.97	GRD
256.37	260.07	3.7	GRD
260.07	276.98	16.91	GRD
276.98	280.53	3.55	GRD
280.53	281.17	0.64	VEN
281.17	282.1	0.93	GRD
282.1	291.68	9.58	GRD

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
4.10	7.46	3.36	GRD	MG	Primarily unaltered granodiorite with patchy moderate to strong argillic alteration with a weak potassic overprint. Moderate to strong oxidation along fracture surfaces, decreasing in intensity with depth. Argillic alteration is pervasively moderate to weakly oxidized with intensity decreasing with depth.							
						MD	WH	PA	OXI	3I		
						MD	GY		OXI	4I		
						MD	OR		ARG	3I		
									ARG	4I		
									POT	2I		
7.46	11.07	3.61	GRD	MG	Moderately argillic altered granodiorite with pervasive moderate to strong oxidation. 1.5cm quartz carboinate vein hosting weak amounts of disseminated pyrite @10.06m.							
						MD	OR		OXI	3I		
									OXI	4I		
									ARG	3I		
11.07	20.37	9.30	GRD	MG	Primarily unaltered granodiorite with patchy moderate to strong argillic alteration with a weak potassic overprint. Moderate to strong oxidation along fracture surfaces, decreasing in intensity with depth. Argillic alteration is pervasively moderate to weakly oxidized with intensity decreasing with depth.							
						MD	WH	PA	OXI	3I		
						MD	GY		OXI	4I		
						MD	OR		ARG	3I		
									ARG	4I		
									POT	2I		
20.37	20.67	0.30	GRD	MG	Moderate silicified moderate phyllic alteration envelope surrounding two 1cm quartz/carbonate veins hosting disseminated pyrite. Phyllic envelope transitions to 3-5cm of moderate argillic alteration distally from veins. Alterations are pervasively moderately oxidized.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GN	EN	PHC	3I	Py	1
						MD	OR		SIL	3I		
						MD	WH		OXI	3I		
									ARG	3I		
20.67	28.37	7.70	GRD	MG	Small ~3cm moderate phyllic envelopes followed by large weakly potassic overprinted moderate argillic alteration surrounding quartz/carbonate/sulphide veins. Phyllic/argillic envelopes are separated by unaltered granodiorite with weak to moderate oxidation along fracture surfaces. Alteration envelopes are pervasively weak to moderately oxidized..							
						MD	OR	EN	OXI	2I		
						MD	GY		ARG	3I		
						LT	WH	PA	OXI	3I		
									POT	2I		
									PHC	3I		
28.37	32.21	3.84	GRD	MG	Unaltered granodiorite with weak oxidation along fracture surfaces.							
						MD	GY		OXI	2I		
						MD	OR					
32.21	32.77	0.56	GRD	MG	Upper portion of alteration envelope surrounding a large smokey quartz sulphide vein. Envelope is 7cm of moderate argillic alteration transitioning to moderate phyllic alteration with proximity to vein. Contact between granodiorite and vein is strongly oxidized gouge. Patchy pervasive moderate oxidation throughout.							
						MD	OR	EN	PHC	3I		
						MD	WH		ARG	3I		
						MD	GN		OXI	2I		
									OXI	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
32.77	33.50	0.73	BXA	--	Strongly silicified smokey quartz crackle breccia hosting disseminated to blebby pyrite, galena and arsenopyrite. The first 4cm of the breccia are semi-massive pyrite. Smokey quartz brecciates intensely silicified strongly phyllic altered granodiorite. The majority of the interval hosts 1-2% disseminated to blebby pyrite. Sporadic discontinuous nets of white carbonate veinlets. The are two 1-1.5cm perpendicular TCA grey quartz white carbonate veins at the end of the breccia with disseminate to blebby galena and arsenopyrite along their selvedges. Between these two veins is a piece of broken up quartz carbonate vein hosting disseminated to blebby pyrite. Smokey quartz hosts an abundance of small vugs.							
						MD	GY	VU	PHC	4I	As	1
						MD	GN	CR			Py	3
						DK	GY	BX	SIL	5I	Gn	1
33.50	33.91	0.41	GRD	MG	Lower portion of alteration envelope surrounding smokey quartz breccia. Moderately silicified strongly phyllic altered granodiorite hosting multiple quartz veinlets and weak amounts of disseminated pyrite. Moderate oxidation along fracture surfaces.							
						MD	GN		SIL	3I	Py	1
						MD	OR		PHC	4I		
						LT	GN		OXI	3I		
33.91	35.56	1.65	GRD	MG	Weak potassic overprinted moderate argillic alteration. Moderate oxidation along fracture surfaces.							
						MD	PK		ARG	3I		
						MD	OR		OXI	3I		
						LT	WH		POT	2I		
35.56	36.78	1.22	GRD	MG	Strongly silicified moderate phyllic envelope surrounding vuggy smokey quartz/white carbonate breccia. Envelope and breccia hosts trace disseminated pyrite. Envelope is moderately oxidized.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	OR	EN	PHC	3I		
						MD	GN	BX	SIL	3I	Py	1
36.78	38.80	2.02	GRD	MG	Weak potassic overprinted moderate argillic alteration. Moderate oxidation along fracture surfaces.							
						MD	PK		ARG	3I		
						MD	OR		OXI	3I		
						LT	WH		POT	2I		
38.80	39.60	0.80	GRD	MG	Moderately silicified moderate phyllic altered granodiorite hosting multiple quarts/carbonate +/- pyrite veinlets. Has small patches of moderate argillic alteration.							
						MD	GN	PA	PHC	3I		
						MD	WH		ARG	3I		
									SIL	3I		
39.60	42.00	2.40	GRD	MG	Weak potassic overprinted moderate argillic alteration. Moderate oxidation along fracture surfaces.							
						MD	OR					
						MD	PK		ARG	3I		
						LT	WH		POT	2I		
42.00	43.70	1.70	GRD	MG	Weak to moderately silicified moderately phyllic altered granodiorite. Hosts and abundance of quartz/carbonate/sulphide veins.							
						MD	GN		SIL	3I		
						LT	GN		SIL	2I		
									PHC	3I		
43.70	72.18	28.48	GRD	MG	Unaltered granodiorite with infrequent small patches of weak argillic alteration. Weak oxidation along fracture surfaces at start of interval, disappears with depth. Trace to weak hematite staining along some fracture surfaces, frequency decreases with depth. Calcite veinlets are ~1 per meter.							
						MD	GY	PA	HEM	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
									HEM	1I		
									ARG	2I		
									OXI	2I		
74.61	85.46	10.85	GRD	MG	Unaltered granodiorite with infrequent small patches of weak argillic alteration. Weak infrequent oxidation along fracture surfaces at start of interval, disappears with depth. Calcite veinlets are ~1 per meter.							
						MD	GY					
85.46	87.79	2.33	GRD	MG	Weakly propyllitic overprinted phyllic altered granodiorite with patched of potassic overprinted argillic alteration.							
						MD	GN		PRO	2I		
						MD	PK					
						LT	GN	PA	PHC	3I		
						LT	WH		POT	2I		
						DK	GN		ARG	3I		
124.66	126.93	2.27	GRD	MG	Weakly potassic and propyllitic overprinted moderate argillic altered granodiorite.							
						MD	PK		POT	2I		
						LT	WH		ARG	3I		
						DK	GN		PRO	2I		
126.93	127.66	0.73	GRD	MG	Very rubbly moderately propyllitic and argillic altered granodiorite.							
						LT	WH	RB	ARG	3I		
						DK	GN		PRO	3I		
127.66	129.13	1.47	GRD	MG	Moderately silicified weakly propylitic altered granodiorite.							
						MD	GY		SIL	3I		
						DK	GN		PRO	2I		
129.13	134.82	5.69	GRD	MG	Primarily overlapping phyllic alteration envelopes surrounding quartz/carbonate/sulphide veins. Envelopes transition distally to patches of potassic overprinted argillic alteration when not overlapping.							
						MD	GN	PA	ARG	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	PK					
						LT	GN	EN	PHC	3I		
						LT	WH		POT	2I		
134.82	139.60	4.78	GRD	MG	Weakly potassic and propyllitic overprinted moderate argillic altered granodiorite.							
						MD	PK		POT	2I		
						LT	WH		PRO	2I		
						DK	GN		ARG	3I		
139.60	142.31	2.71	GRD	MG	Weakly potassic and propyllitic overprinted moderate argillic altered granodiorite. Contained multiple long low angle clay infilled healed fractures, 1-3 per meter.							
						MD	PK		PRO	2I		
						LT	WH		POT	2I		
						DK	GN		ARG	3I		
142.31	144.22	1.91	GRD	MG	Trace to weakly potassic and propyllitic altered granodiorite.							
						MD	GY		POT	1I		
						MD	PK		POT	2I		
						DK	GN		PRO	1I		
									PRO	2I		
144.22	148.90	4.68	GRD	MG	Trace to weakly propyllitic and moderately silicified and phyllic altered granodiorite hosting an abundance of quartz/carbonate/sulphide veins and breccias.							
						MD	GN		PRO	2I		
						LT	GN		PRO	1I		
									PHC	3I		
									SIL	3I		
148.90	152.01	3.11	GRD	MG	Trace to weakly potassic and propyllitic altered silicified granodiorite with patches of potassic/propyllitic alteration.							
						MD	GY	PA	POT	2I		
						MD	PK		POT	1I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	WH		PRO	2I		
						DK	GN		PRO	1I		
									ARG	3I		
									SIL	3I		
152.01	152.59	0.58	GRD	MG	Moderately phyllic and weakly argillic and potassic alteration envelope surrounding a black breccia vein.							
						MD	GN		POT	2I		
						MD	PK		ARG	2I		
						LT	GN	EN	PHC	3I		
152.59	156.89	4.30	GRD	MG	Trace to weakly potassic and propyllitic altered silicified granodiorite with patches of potassic/propyllitic alteration.							
						MD	GY		POT	2I		
						MD	PK		POT	1I		
						LT	WH		PRO	2I		
						DK	GN		PRO	1I		
									ARG	3I		
									SIL	3I		
156.89	157.79	0.90	GRD	MG	Moderate phyllic envelope surrounding a quartz carbonate sulphide vein. Phyllic transitioning distally to potassic/propyllitic overprinted argillic alteration.							
						MD	PK		ARG	3I		
						LT	GN	EN	PHC	3I		
						LT	WH		PRO	2I		
						DK	GN		POT	2I		
157.79	159.88	2.09	GRD	MG	Trace to weakly potassic and propyllitic altered silicified granodiorite with patches of potassic/propyllitic alteration.							
						MD	GY		POT	2I		
						MD	PK		POT	1I		
						LT	WH		PRO	2I		
						DK	GN		PRO	1I		
									SIL	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
									ARG	3I		
159.88	164.46	4.58	GRD	MG	Weakly potassic/propyllitic overprinted moderately argillic altered granodiorite. Small 1-2cm phyllic envelopes around quartz/carbonate veinlets, ~2-3 per meter.							
						MD	PK		PRO	2I		
						LT	WH	EN	POT	2I		
						LT	GN		PHC	3I		
						DK	GN		ARG	3I		
164.46	165.00	0.54	GRD	MG	Trace to weakly potassic and propyllitic altered silicified granodiorite.							
						MD	GY		POT	2I		
						MD	PK		PRO	2I		
						DK	GN					
165.00	173.16	8.16	GRD	MG	Moderately silicified moderately phyllic altered granodiorite hosting multiple quartz/carbonate/sulphide veins and a gouge zone.							
						MD	GN		SIL	3I		
						LT	GN		PHC	3I		
173.16	178.52	5.36	GRD	MG	Alternating patches of silicified moderate propyllitic alteration and silicified moderate phyllic alteration.							
						MD	GN					
						MD	GY		SIL	3I		
						LT	GN	PA	PRO	3I		
						DK	GN		PHC	3I		
178.52	186.25	7.73	GRD	MG	Moderately silicified moderately phyllic altered granodiorite. Portions of the interval are partially to significantly gouge altered. Sections of the interval are also rubbly and the coincide with some of the partial gouge alteration.							
						MD	GN		SIL	3I		
						LT	GN	RB	PHC	3I		
						LT	GY					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
186.25	191.18	4.93	GRD	MG	Alternating patches of moderate propyllitic and argillic alteration, broken up by phyllic envelopes surrounding quartz +/- sulphide veins and a black breccias.							
						MD	GN		PHC	3I		
						LT	GN	PA	PRO	3I		
						LT	WH					
						DK	GN		ARG	3I		
191.18	193.00	1.82	GRD	MG	Weakly propyllitic overprinted moderate phyllic envelope around a quartz/sulphide vein hosting galena, sphalerite and pyrite.							
						LT	GN	EN	PHC	3I		
						DK	GN		PRO	1I		
193.00	196.17	3.17	GRD	MG	Silicified moderately propyllitic altered granodiorite with patches of a weak potassic overprint. Has hatches of moderate argillic alteration and moderate phyllic alteration.							
						MD	GN	PA	SIL	3I		
						MD	PK		ARG	3I		
						LT	GN		POT	2I		
						LT	WH		PHC	3I		
						DK	GN		PRO	3I		
196.17	202.22	6.05	QFP	FG	Quartz feldspar porphyry dyke is initially a reddish purple and transitions to a light tan after ~1m.							
						MD	PU	PO				
						LT	TN					
						DK	RD					
202.22	205.50	3.28	GRD	MG	Moderate propyllitic and weak argillic alteration transitioning to silicified weak propyllitic alteration distally from lower dyke contact.							
						MD	GY		ARG	2I		
						LT	WH		PRO	2I		
						DK	GN		PRO	3I		
									SIL	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
205.50	207.90	2.40	GRD	MG	Silicified moderate to strong phyllic envelopes surrounding a quartz/sulphide vein zone and individual quartz/sulphide veins. Phyllic envelopes are separated by phyllic overprinted argillic alteration.							
						MD	GN	EN	PHC	3I		
						LT	GN		PHC	2I		
						LT	WH		SIL	3I		
									ARG	2I		
207.90	211.39	3.49	GRD	MG	Silicified weakly propyllitic altered granodiorite with patches of potassic overprinted argillic alteration.							
						MD	GY		SIL	3I		
						MD	PK		POT	2I		
						LT	WH		ARG	3I		
						DK	GN	PA	PRO	2I		
211.39	217.25	5.86	GRD	MG	Silicified trace to weakly propyllitic and potassic altered granodiorite.							
						MD	GY		SIL	3I		
						DK	PK		PRO	2I		
						DK	GN		PRO	1I		
									POT	2I		
									POT	1I		
217.25	222.19	4.94	QFP	FG	Quartz feldspar porphyry dyke. Dyke transitions in color from a medium grey/green, to a light tan.							
						MD	GY					
						MD	GN					
						LT	TN	PO				
222.19	222.94	0.75	GRD	MG	Phyllic envelope after the lower dyke contatact. Hosts a quartz sulphide vein and is partially gouge altered.							
						MD	GN		PHC	3I		
						LT	GN					
222.94	225.17	2.23	GRD	MG	Moderately potassic and propyllitic altered granodiroite.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	PK		PRO	3I		
						DK	GN		POT	3I		
225.17	225.25	0.08	GRD	MG	8cm of partially gouge altered phyllic granodiorite hosting disseminated pyrite.							
						MD	GY					
						LT	GN		PHC	3I	Py	1
225.25	227.54	2.29	QFP	FG	Grey quartz feldspar porphyry dyke. Partially gouge altered.							
						MD	GY	PO				
227.54	230.27	2.73	QFP	FG	Orange/tan feldspar porphyry dyke.							
						MD	OR	PO				
						LT	GN					
230.27	233.77	3.50	QFP	FG	Grey/green quartz feldspar porphyry dyke.							
						MD	GN					
						MD	GY					
233.77	235.89	2.12	QFP	FG	Purple/grey quartz feldspar porphyry dyke							
						MD	PU	PO				
						MD	GY					
235.89	237.19	1.30	GRD	MG	Weakly potassic/propyllitic overprinted moderate argillic alteration.							
						MD	PK		POT	2I		
						LT	WH		ARG	3I		
						DK	GN		PRO	2I		
237.19	238.92	1.73	GRD	MG	Silicified weakly potassic/propyllitic altered granodiorite. Phyllic envelopes surrounding quartz/carbonate +/- sulphide veins.							
						MD	PK		PRO	2I		
						MD	GY		SIL	3I		
						DK	GN		POT	2I		
238.92	241.35	2.43	GRD	MG	Multiple phyllic envelopes around quartz/carbonate veins +/- sulphides, transitions distally to moderate argillic alteration.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GN	EN	PHC	3I		
						LT	WH					
						LT	GN		ARG	3I		
241.35	242.83	1.48	GRD	MG	Silicified weakly potassic/propyllitic altered granodiorite.							
						MD	PK					
						MD	GY					
						DK	GN					
242.83	243.51	0.68	GRD	MG	Alternating patches of potassic/propyllitic overprinted argillic alteration with small phyllic envelopes around a quartz/carbonate vein and veinlet.							
						MD	GN	PA	PHC	3I		
						MD	PK		ARG	3I		
						LT	WH		POT	2I		
						DK	GN		PRO	2I		
243.51	246.10	2.59	GRD	MG	Silicified weakly potassic/propyllitic altered granodiorite.							
						MD	GY		POT	2I		
						MD	PK					
						DK	GN		PRO	2I		
246.10	247.05	0.95	GRD	MG	Moderate phyllic envelope around a smokey quartz vein transitioning to potassic/propyllitic overprinted argillic alteration distally from the vein.							
						MD	GN		PRO	2I		
						MD	PK		POT	2I		
						LT	GN	EN	PHC	3I		
						LT	WH					
						DK	GN		ARG	3I		
247.05	248.40	1.35	GRD	MG	Silicified weakly potassic/propyllitic altered granodiorite.							
						MD	YW		SIL	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	PK		PRO	2I		
						DK	GN		POT	2I		
248.40	256.37	7.97	GRD	MG	Phyllic/propyllitic alteration alternating with patches of potassic overprinted argillic alteration. There is a phyllic envelope around a smokey quartz vein in the lower 1/3 of the interval.							
						MD	PK					
						MD	GN		PRO	2I		
						LT	GN		POT	2I		
						LT	WH		ARG	3I		
						DK	GN	PA	PHC	3I		
256.37	260.07	3.70	GRD	MG	Vein zone in silicified phyllic altered granodiorite with patchy propyllitic alteration. Zone contains two polymetallic quartz veins and an abundance of quartz/pyrite veinlets and stringers.							
						MD	GN		PHC	3I		
						LT	GN	EN	SIL	3I		
						DK	GN		PRO	3I		
260.07	276.98	16.91	GRD	MG	Trace to weakly propyllitic altered granodiorite.							
						MD	GY		PRO	2I		
						MD	GN		PRO	1I		
276.98	280.53	3.55	GRD	MG	Moderate phyllic alteration transition to strong phyllic alteration with proximity to the central klaza vein zone. Quartz +/- carbonate +/- sulphide vein abundance increases with proximity to the vein zone.							
						MD	GN					
						MD	GY		PHC	3I		
						LT	GN		PHC	4I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
280.53	281.17	0.64	VEN	--	Central klaza vein zone contains three distinct veins. Vein 1 is 34cm long and is a semi-massive sulphide quartz vein hosting blebby to semi-massive galena, sphalerite and pyrite and disseminated to blebby arsenopyrite. ~2/3 of the galena is located along the lower selvedge of the vein with the tan carbonate veining. Sphalerite is ~70% blackjack and 28% brown, and 2% honey brown. Occasional zonation of honey brown to brown sphalerite. Vein is cross-cut by multiple white carbonate veinlets and stringers oriented @ 80 and 30 TCA. Veins 1 and 2 are separated by 5cm of phyllic alteration hosting disseminated pyrite. Vein 2 in 8cm wide and consists of smokey quartz hosting blebby to semi-massive pyrite and disseminated to blebby galena, blackjack sphalerite and arsenopyrite. Quartz partially brecciates phyllic granodiorite and white carbonate. Veins 2 and 3 are separated by 4cm of silicified phyllic altered granodiorite hosting disseminated pyrite. Vein 3 is a 14cm long multiphase polymetallic vein hosting blebby to semi-massive pyrite, sphalerite and galena and disseminated to blebby arsenopyrite. Vein is cut in the middle by tan carbonate which is associated with the galena and sphalerite mineralization.							
									PHC	3I		
									PHC	4I		
									SIL	3I		
281.17	282.10	0.93	GRD	MG	Silicified strong phyllic alteration proximal to the vein transition moderate phyllic alteration distally from the vein zone. Abundance of smokey quartz/pyrite vein, veinlets and stringers decreases distally from vein zone.							
						MD	GN		SIL	3I		
						MD	GY		PHC	3I		
						LT	GN		PHC	4I		
282.10	291.68	9.58	GRD	MG	Trace to weakly propyllitic altered granodiorite.							
						MD	GY		PRO	1I		
						DK	GN		PRO	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
4.10	32.21	28.11	GRD	MG	Primarily unaltered granodiorite with patchy moderate to strong argillic alteration with a weak potassic overprint. Moderate to strong oxidation along fracture surfaces, decreasing in intensity with depth. Argillic alteration is pervasively moderate to weakly oxidized with intensity decreasing with depth. Sporadic quartz/carbonate +/- sulphides veins and veinlets.							
									ARG	4I		
						MD	GY	PA	OXI	3I		
						MD	OR		OXI	4I		
						MD	WH		ARG	3I		
									POT	2I		
32.21	32.77	0.56	GRD	MG	Upper portion of alteration envelope surrounding a large smokey quartz sulphide vein. Envelope is 7cm of moderate argillic alteration transitioning to moderate phyllic alteration with proximity to vein. Contact between granodiorite and vein is strongly oxidized gouge. Patchy pervasive moderate oxidation throughout.							
						MD	WH		ARG	3I		
						MD	GN		OXI	2I		
									OXI	3I		
						MD	OR	EN	PHC	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
32.77	33.50	0.73	BXA	--	Strongly silicified smokey quartz crackle breccia hosting disseminated to blebby pyrite, galena and arsenopyrite. The first 4cm of the breccia are semi-massive pyrite. Smokey quartz brecciates intensely silicified strongly phyllic altered granodiorite. The majority of the interval hosts 1-2% disseminated to blebby pyrite. Sporadic discontinuous nets of white carbonate veinlets. The are two 1-1.5cm perpendicular TCA grey quartz white carbonate veins at the end of the breccia with disseminate to blebby galena and arsenopyrite along their selvedges. Between these two veins is a piece of broken up quartz carbonate vein hosting disseminated to blebby pyrite. Smokey quartz hosts an abundance of small vugs.							
						MD	GN	CR			As	1
						MD	GY	VU	PHC	4I	Gn	1
						DK	GY	BX	SIL	5I	Py	3
33.50	33.91	0.41	GRD	MG	Lower portion of alteration envelope surrounding smokey quartz breccia. Moderately silicified strongly phyllic altered granodiorite hosting multiple quartz veinlets and weak amounts of disseminated pyrite. Moderate oxidation along fracture surfaces.							
						MD	GN		SIL	3I	Py	1
						LT	GN		OXI	3I		
						MD	OR		PHC	4I		
33.91	42.00	8.09	GRD	MG	Weak potassic overprinted moderate argillic alteration. Hosts multiple quartz/carbonate +/- sulphide veins surrounded by silicified phyllic envelopes. Moderate oxidation along fracture surfaces.							
						LT	WH	PA	POT	2I		
						MD	OR		OXI	3I		
						MD	GN		PHC	3I		
						MD	PK	EN	ARG	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
42.00	43.70	1.70	GRD	MG	Weak to moderately silicified moderately phyllic altered granodiorite. Hosts and abundance of quartz/carbonate/sulphide veins.							
									PHC	3I		
						LT	GN		SIL	2I		
						MD	GN		SIL	3I		
43.70	124.66	80.96	GRD	MG	Unaltered granodiorite with infrequent small patches of weak argillic alteration. Weak oxidation along fracture surfaces at start of interval, disappears with depth. Trace to weak hematite staining along some fracture surfaces, frequency decreases with depth. Calcite veinlets are ~1 per meter.							
						MD	GY	PA	HEM	2I		
									OXI	2I		
									HEM	1I		
									ARG	2I		
124.66	139.60	14.94	GRD	MG	Weakly potassic and propyllitic overprinted moderate argillic altered granodiorite with phyllic envelopes around quartz/carbonate sulphide veins and breccia, located between 133-135m. Contains a rubbly patch of propyllitic argillic alteration.							
						MD	PK		PRO	3I		
						MD	WH	RB	ARG	3I		
						MD	GN		PRO	2I		
						DK	GN		PHC	3I		
						LT	GN	PA	POT	2I		
139.60	142.31	2.71	GRD	MG	Weakly potassic and propyllitic overprinted moderate argillic altered granodiorite. Contained multiple long low angle clay infilled healed fractures, 1-3 per meter.							
						LT	WH		POT	2I		
						MD	PK		PRO	2I		
						DK	GN		ARG	3I		
142.31	144.22	1.91	GRD	MG	Trace to weakly potassic and propyllitic altered granodiorite.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	PK		POT	2I		
						DK	GN		PRO	1I		
									PRO	2I		
						MD	GY		POT	1I		
144.22	148.90	4.68	GRD	MG	Trace to weakly propyllitic and moderately silicified and phyllic altered granodiorite hosting an abundance of quartz/carbonate/sulphide veins and breccias.							
									SIL	3I		
						LT	GN		PRO	1I		
						MD	GN		PRO	2I		
									PHC	3I		
148.90	165.00	16.10	GRD	MG	Trace to weakly potassic and propyllitic altered silicified granodiorite with patches of potassic/propyllitic alteration and phyllic envelope transitioning to argillic alteration distally from quartz/carbonate veins.							
									ARG	3I		
						MD	GY	PA	POT	1I		
						LT	WH		POT	2I		
						MD	PK		PRO	1I		
						DK	GN		PRO	2I		
						MD	GN		PHC	3I		
165.00	173.16	8.16	GRD	MG	Moderately silicified moderately phyllic altered granodiorite hosting multiple quartz/carbonate/sulphide veins and a gouge zone.							
						MD	GN		SIL	3I		
						LT	GN		PHC	3I		
173.16	178.52	5.36	GRD	MG	Alternating patches of silicified moderate propyllitic alteration and silicified moderate phyllic alteration.							
						MD	GN					
						MD	GY		SIL	3I		
						DK	GN		PHC	3I		
						LT	GN	PA	PRO	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
178.52	186.25	7.73	GRD	MG	Moderately silicified moderately phyllic altered granodiorite. Portions of the interval are partially to significantly gouge altered. Sections of the interval are also rubbly and the coincide with some of the partial gouge alteration.							
						LT	GY					
						MD	GN		SIL	3I		
						LT	GN	RB	PHC	3I		
186.25	193.00	6.75	GRD	MG	Alternating patches of moderate propyllitic and argillic alteration, broken up by phyllic envelopes surrounding quartz +/- sulphide veins and a black breccias.							
						LT	WH					
						MD	GN		PHC	3I		
						LT	GN	PA	PRO	3I		
						DK	GN		ARG	3I		
193.00	196.17	3.17	GRD	MG	Silicified moderately propyllitic altered granodiorite with patches of a weak potassic overprint. Has hatches of moderate argillic alteration and moderate phyllic alteration.							
						DK	GN		PRO	3I		
						LT	GN		POT	2I		
						MD	GN	PA	SIL	3I		
						LT	WH		PHC	3I		
						MD	PK		ARG	3I		
196.17	202.22	6.05	QFP	FG	Quartz feldspar porphyry dyke is initially a reddish purple and transitions to a light tan after ~1m.							
						MD	PU	PO				
						LT	TN					
						DK	RD					
202.22	205.50	3.28	GRD	MG	Moderate propyllitic and weak argillic alteration transitioning to silicified weak propyllitic alteration distally from lower dyke contact.							
						MD	GY		ARG	2I		
									SIL	3I		
						LT	WH		PRO	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						DK	GN		PRO	3I		
205.50	207.90	2.40	GRD	MG	Silicified moderate to strong phyllic envelopes surrounding a quartz/sulphide vein zone and individual quartz/sulphide veins. Phyllic envelopes are separated by phyllic overprinted argillic alteration.							
						MD	GN	EN	PHC	3I		
						LT	GN		PHC	2I		
						LT	WH		SIL	3I		
									ARG	2I		
207.90	211.39	3.49	GRD	MG	Silicified weakly propyllitic altered granodiorite with patches of potassic overprinted argillic alteration.							
						DK	GN	PA	PRO	2I		
						MD	GY		SIL	3I		
						LT	WH		ARG	3I		
						MD	PK		POT	2I		
211.39	217.25	5.86	GRD	MG	Silicified trace to weakly propyllitic and potassic altered granodiorite.							
						DK	GN		PRO	1I		
									POT	2I		
						DK	PK		PRO	2I		
						MD	GY		SIL	3I		
									POT	1I		
217.25	222.19	4.94	QFP	FG	Quartz feldspar porphyry dyke. Dyke transitions in color from a medium grey/green, to a light tan.							
						LT	TN	PO				
						MD	GY					
						MD	GN					
222.19	222.94	0.75	GRD	MG	Phyllic envelope after the lower dyke contatact. Hosts a quartz sulphide vein and is partially gouge altered.							
						MD	GN		PHC	3I		
						LT	GN					
222.94	225.25	2.31	GRD	MG	Moderately potassic and propyllitic altered granodiroite.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	PK		PRO	3I		
						DK	GN		POT	3I		
235.89	237.19	1.30	GRD	MG	Weakly potassic/propyllitic overprinted moderate argillic alteration.							
						DK	GN		PRO	2I		
						LT	WH		ARG	3I		
						MD	PK		POT	2I		
237.19	248.40	11.21	GRD	MG	Silicified weakly potassic/propyllitic altered granodiorite. Phyllic envelopes surrounding quartz/carbonate +/- sulphide veins.							
						MD	PK		PRO	2I		
						DK	GN		POT	2I		
						MD	GY		SIL	3I		
248.40	256.37	7.97	GRD	MG	Phyllic/propyllitic alteration alternating with patches of potassic overprinted argillic alteration. There is a phyllic envelope around a smokey quartz vein in the lower 1/3 of the interval.							
						DK	GN	PA	PHC	3I		
						MD	GN		PRO	2I		
						LT	GN		POT	2I		
						LT	WH		ARG	3I		
						MD	PK					
256.37	260.07	3.70	GRD	MG	Vein zone in silicified phyllic altered granodiorite with patchy propyllitic alteration. Zone contains two polymetallic quartz veins, one breccia and an abundance of quartz/pyrite veinlets and stringers.							
						DK	GN		PRO	3I		
						LT	GN	EN	SIL	3I		
						MD	GN		PHC	3I		
260.07	276.98	16.91	GRD	MG	Trace to weakly propyllitic altered granodiorite.							
						MD	GY		PRO	2I		
						MD	GN		PRO	1I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
276.98	280.53	3.55	GRD	MG	Moderate phyllic alteration transition to strong phyllic alteration with proximity to the central klaza vein zone. Quartz +/- carbonate +/- sulphide vein abundance increases with proximity to the vein zone.							
						LT	GN		PHC	4I	Sp	10
						MD	GN				Gn	10
											As	3
						MD	GY		PHC	3I	Py	25
280.53	281.17	0.64	VEN	--	Central klaza vein zone contains three distinct veins. Vein 1 is 34cm long and is a semi-massive sulphide quartz vein hosting blebby to semi-massive galena, sphalerite and pyrite and disseminated to blebby arsenopyrite. ~2/3 of the galena is located along the lower selvedge of the vein with the tan carbonate veining. Sphalerite is ~70% blackjack and 28% brown, and 2% honey brown. Occasional zonation of honey brown to brown sphalerite. Vein is cross-cut by multiple white carbonate veinlets and stringers oriented @ 80 and 30 TCA. Veins 1 and 2 are separated by 5cm of phyllic alteration hosting disseminated pyrite. Vein 2 is 8cm wide and consists of smokey quartz hosting blebby to semi-massive pyrite and disseminated to blebby galena, blackjack sphalerite and arsenopyrite. Quartz partially brecciates phyllic granodiorite and white carbonate. Veins 2 and 3 are separated by 4cm of silicified phyllic altered granodiorite hosting disseminated pyrite. Vein 3 is a 14cm long multiphase polymetallic vein hosting blebby to semi-massive pyrite, sphalerite and galena and disseminated to blebby arsenopyrite. Vein is cut in the middle by tan carbonate which is associated with the galena and sphalerite mineralization.							
									PHC	4I		
									PHC	3I		
								VU	SIL	3I		
281.17	282.10	0.93	GRD	MG	Silicified strong phyllic alteration proximal to the vein transition moderate phyllic alteration distally from the vein zone. Abundance of smokey quartz/pyrite vein, veinlets and stringers decreases distally from vein zone.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GY		PHC	3I		
						LT	GN		PHC	4I		
						MD	GN		SIL	3I		
282.10	291.68	9.58	GRD	MG	Trace to weakly propyllitic altered granodiorite.							
						MD	GY		PRO	1I		
						DK	GN		PRO	2I		

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
0.00	4.10	4.10	0	0	0.00	0	--	--	--	Casing/Overburden. No recovery
4.10	8.00	3.90	3.24	83	1.57	40	--	3H	3W	
8.00	11.00	3.00	2.73	91	1.40	47	--	4H	2W	
11.00	14.00	3.00	2.95	98	1.41	47	--	3H	3W	
14.00	17.00	3.00	3	100	1.35	45	--	3H	3W	
17.00	20.00	3.00	2.94	98	1.85	62	--	4H	2W	
20.00	23.00	3.00	2.69	90	1.97	66	--	4H	2W	
23.00	26.00	3.00	2.82	94	2.00	67	--	4H	3W	
26.00	29.00	3.00	3	100	2.51	84	--	4H	3W	
29.00	32.00	3.00	2.86	95	2.41	80	--	4H	2W	
32.00	35.00	3.00	2.84	95	1.93	64	--	4H	3W	
35.00	38.00	3.00	3	100	2.41	80	--	5H	2W	
38.00	41.00	3.00	2.85	95	2.70	90	--	5H	1W	
41.00	44.00	3.00	3	100	2.40	80	--	3H	2W	
44.00	47.00	3.00	3	100	2.66	89	--	4H	2W	
47.00	50.00	3.00	3	100	2.40	80	--	4H	2W	
50.00	53.00	3.00	3	100	2.51	84	--	4H	2W	
53.00	56.00	3.00	2.95	98	2.23	74	--	4H	1W	
56.00	59.00	3.00	2.98	99	2.63	88	--	4H	2W	
59.00	62.00	3.00	2.95	98	2.39	80	--	4H	2W	
62.00	65.00	3.00	2.96	99	2.84	95	--	4H	2W	
65.00	68.00	3.00	2.99	100	2.90	97	--	4H	2W	
68.00	71.00	3.00	2.95	98	2.48	83	--	4H	1W	
71.00	74.00	3.00	2.96	99	2.53	84	--	3H	2W	
74.00	77.00	3.00	2.98	99	2.38	79	--	3H	1W	
77.00	80.00	3.00	3	100	2.54	85	--	4H	2W	
80.00	83.00	3.00	3	100	2.92	97	--	4H	1W	
83.00	86.00	3.00	2.98	99	2.89	96	--	4H	2W	
86.00	89.00	3.00	2.85	95	2.73	91	--	3H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
89.00	92.00	3.00	2.98	99	2.54	85	--	4H	1W	
92.00	95.00	3.00	2.9	97	2.50	83	--	4H	1W	
95.00	98.00	3.00	3	100	2.23	74	--	4H	1W	
98.00	101.00	3.00	2.9	97	2.14	71	--	4H	1W	
101.00	104.00	3.00	3	100	2.54	85	--	4H	1W	
104.00	107.00	3.00	2.9	97	2.58	86	--	4H	1W	
107.00	110.00	3.00	3	100	2.71	90	--	4H	1W	
110.00	113.00	3.00	3	100	2.50	83	--	4H	1W	
113.00	116.00	3.00	3	100	2.23	74	--	4H	2W	
116.00	119.00	3.00	2.96	99	2.39	80	--	4H	1W	
119.00	122.00	3.00	2.97	99	1.96	65	--	4H	1W	
122.00	125.00	3.00	3	100	2.04	68	--	4H	1W	
125.00	128.00	3.00	2.98	99	1.69	56	--	3H	2W	
128.00	131.00	3.00	2.88	96	2.06	69	--	3H	2W	
131.00	134.00	3.00	2.96	99	2.63	88	--	3H	1W	
134.00	137.00	3.00	3	100	2.67	89	--	3H	2W	
137.00	140.00	3.00	3	100	2.73	91	--	3H	1W	
140.00	143.00	3.00	3	100	2.67	89	--	2H	1W	
143.00	146.00	3.00	3	100	2.43	81	--	3H	1W	
146.00	149.00	3.00	3	100	2.60	87	--	4H	1W	
149.00	152.00	3.00	3	100	2.57	86	--	3H	1W	
152.00	155.00	3.00	2.89	96	2.01	67	--	4H	1W	
155.00	158.00	3.00	2.98	99	2.67	89	--	4H	1W	
158.00	161.00	3.00	2.9	97	2.12	71	--	4H	1W	
161.00	164.00	3.00	3	100	2.81	94	--	4H	1W	
164.00	167.00	3.00	3	100	2.62	87	--	4H	1W	
167.00	170.00	3.00	2.99	100	1.98	66	--	3H	1W	
170.00	173.00	3.00	2.99	100	2.32	77	--	3H	1W	
173.00	176.00	3.00	3	100	1.59	53	--	3H	1W	
176.00	179.00	3.00	2.98	99	2.18	73	--	3H	1W	
179.00	182.00	3.00	2.94	98	2.14	71	--	4H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
182.00	185.00	3.00	2.16	72	1.00	33	--	4H	1W	
185.00	188.05	3.05	3.05	100	1.78	58	--	3H	1W	
188.05	191.01	2.96	2.6	88	1.80	61	--	4H	1W	
191.01	194.15	3.14	2.77	88	2.05	65	--	4H	1W	
194.15	197.19	3.04	2.95	97	2.80	92	--	4H	1W	
197.19	200.24	3.05	2.95	97	2.50	82	--	4H	1W	
200.24	203.29	3.05	3	98	2.70	89	--	4H	1W	
203.29	206.34	3.05	3	98	2.92	96	--	4H	1W	
206.34	209.39	3.05	2.95	97	2.85	93	--	4H	1W	
209.39	212.43	3.04	2.95	97	2.70	89	--	4H	1W	
212.43	215.48	3.05	2.97	97	2.60	85	--	4H	1W	
215.48	218.53	3.05	2.9	95	1.80	59	--	4H	1W	
218.53	221.58	3.05	3	98	2.00	66	--	4H	1W	
221.58	224.62	3.04	3	99	1.50	49	--	4H	1W	
224.62	227.67	3.05	2.6	85	1.45	48	--	4H	1W	
227.67	230.72	3.05	2.93	96	1.60	52	--	4H	1W	
230.72	233.77	3.05	1.83	60	1.46	48	--	4H	1W	
233.77	236.86	3.09	2.7	87	1.60	52	--	4H	1W	
236.86	239.87	3.01	3	100	2.07	69	--	4H	1W	
239.87	242.91	3.04	2.9	95	2.40	79	--	4H	1W	
242.91	245.96	3.05	3.05	100	2.99	98	--	4H	1W	
245.96	249.01	3.05	3.03	99	2.74	90	--	4H	1W	
249.01	252.06	3.05	2.94	96	1.94	64	--	4H	1W	
252.06	255.10	3.04	2.88	95	1.46	48	--	4H	1W	
255.10	258.15	3.05	2.95	97	2.07	68	--	3H	1W	
258.15	261.20	3.05	2.89	95	2.48	81	--	4H	1W	
261.20	264.25	3.05	3.02	99	2.19	72	--	4H	1W	
264.25	267.30	3.05	2.98	98	2.25	74	--	4H	1W	
267.30	270.35	3.05	3.05	100	2.31	76	--	4H	1W	
270.35	273.39	3.04	2.96	97	2.38	78	--	4H	1W	
273.39	276.44	3.05	2.87	94	2.41	79	--	4H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
276.44	279.49	3.05	3	98	2.31	76	--	4H	1W	
279.49	282.54	3.05	2.98	98	2.74	90	--	4H	1W	
282.54	285.59	3.05	2.99	98	2.76	90	--	4H	1W	
285.59	288.63	3.04	2.99	98	2.68	88	--	4H	1W	
288.63	291.68	3.05	2.95	97	2.71	89	--	4H	1W	

KL-15-241

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
0.00	0.00	0.00	-QC-	0.00	0	R498221	☐	15-001		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R498226	☐	15-001		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R498231	☐	15-001			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R498243	☐	15-005		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R498252	☐	15-005			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R498258	☐	15-005		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R498269	☐	15-005			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R498278	☐	15-006			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R498295	☐	15-006		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R498301	☐	15-006			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R498215	☐	15-001			☑	☐	☐
19.29	20.36	1.07	GRD	1.00	93	R498201	☐	15-001			☐	☐	☐
20.36	20.90	0.54	GRD	0.52	96	R498202	☐	15-001			☐	☐	☐
20.90	23.00	2.10	GRD	2.04	97	R498203	☐	15-001			☐	☐	☐
23.00	24.20	1.20	GRD	1.20	100	R498204	☐	15-001			☐	☐	☐
24.20	25.14	0.94	GRD	0.94	100	R498205	☐	15-001			☐	☐	☐
25.14	27.22	2.08	GRD	2.08	100	R498206	☐	15-001			☐	☐	☐
27.22	28.22	1.00	GRD	1.00	100	R498207	☐	15-001			☐	☐	☐
27.22	28.22	1.00	GRD	1.00	100	R498208	☐	15-001			☐	☑	☐
28.22	30.11	1.89	GRD	1.89	100	R498209	☐	15-001			☐	☐	☐
30.11	32.22	2.11	GRD	2.00	95	R498210	☐	15-001			☐	☐	☐
32.22	32.77	0.55	GRD	0.55	100	R498211	☐	15-001			☐	☐	☐
32.77	33.57	0.80	GRD, BXA	0.77	96	R499201	☐	15-009	HG 1		☐	☐	☐
33.57	34.12	0.55	GRD	0.55	100	R498212	☐	15-001			☐	☐	☐
34.12	35.59	1.47	GRD	1.46	99	R498213	☐	15-001			☐	☐	☐
35.59	36.14	0.55	GRD	0.55	100	R498214	☐	15-001			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
36.14	36.81	0.67	GRD	0.66	99	R498216	☐	15-001			☐	☐	☐
36.81	38.00	1.19	GRD	1.19	100	R498217	☐	15-001			☐	☐	☐
38.00	38.64	0.64	GRD	0.64	100	R498218	☐	15-001			☐	☐	☐
38.64	41.00	2.36	GRD	2.30	97	R498219	☐	15-001			☐	☐	☐
41.00	41.50	0.50	GRD	0.50	100	R498220	☐	15-001			☐	☐	☐
41.50	42.24	0.74	GRD	0.74	100	R498222	☐	15-001			☐	☐	☐
42.24	42.92	0.68	GRD	0.68	100	R498223	☐	15-001			☐	☐	☐
42.24	42.92	0.68	GRD	0.68	100	R498224	☐	15-001			☐	☐	☑
42.92	43.53	0.61	GRD	0.61	100	R499202	☐	15-009	HG 1		☐	☐	☐
43.53	44.53	1.00	GRD	1.00	100	R498225	☐	15-001			☐	☐	☐
72.68	74.50	1.82	GRD	1.82	100	R498227	☐	15-001			☐	☐	☐
80.55	81.27	0.72	GRD	0.72	100	R498228	☐	15-001			☐	☐	☐
128.00	129.71	1.71	GRD	1.66	97	R498229	☐	15-001			☐	☐	☐
129.71	130.01	0.30	GRD	0.30	100	R498230	☐	15-001			☐	☐	☐
130.01	132.38	2.37	GRD	2.37	100	R498232	☐	15-001			☐	☐	☐
132.38	133.43	1.05	GRD	1.05	100	R498233	☐	15-001			☐	☐	☐
133.43	134.03	0.60	GRD	0.60	100	R498234	☐	15-001			☐	☐	☐
134.03	134.76	0.73	GRD	0.73	100	R499210	☐	15-009	HG 1		☐	☐	☐
134.03	134.76	0.73	GRD	0.73	100	R499211	☐	15-009	HG 1		☐	☐	☑
134.76	136.68	1.92	GRD	1.92	100	R498235	☐	15-001			☐	☐	☐
136.68	138.52	1.84	GRD	1.84	100	R498236	☐	15-001			☐	☐	☐
138.52	141.00	2.48	GRD	2.42	98	R498237	☐	15-005			☐	☐	☐
141.00	142.34	1.34	GRD	1.34	100	R498238	☐	15-005			☐	☐	☐
142.34	144.22	1.88	GRD	1.82	97	R498239	☐	15-005			☐	☐	☐
144.22	145.33	1.11	GRD, GRD	1.11	100	R498240	☐	15-005			☐	☐	☐
145.33	145.67	0.34	GRD	0.34	100	R499216	☐	15-009	HG 1		☐	☐	☐
145.67	147.18	1.51	GRD	1.50	99	R498241	☐	15-005			☐	☐	☐
147.18	148.42	1.24	GRD	1.24	100	R498242	☐	15-005			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
148.42	148.77	0.35	GRD	0.35	100	R498244	☐	15-005			☐	☐	☐
148.77	150.25	1.48	GRD	1.48	100	R498245	☐	15-005			☐	☐	☐
150.25	152.16	1.91	GRD	1.90	99	R498246	☐	15-005			☐	☐	☐
152.16	152.59	0.43	GRD	0.42	98	R498247	☐	15-005			☐	☐	☐
152.16	152.59	0.43	GRD	0.42	98	R498248	☐	15-005			☐	☐	☑
152.59	155.00	2.41	GRD	2.40	100	R498249	☐	15-005			☐	☐	☐
155.00	156.99	1.99	GRD	1.97	99	R498250	☐	15-005			☐	☐	☐
156.99	157.42	0.43	GRD	0.43	100	R498251	☐	15-005			☐	☐	☐
157.42	159.07	1.65	GRD	1.52	92	R498253	☐	15-005			☐	☐	☐
159.07	159.72	0.65	GRD	0.65	100	R498254	☐	15-005			☐	☐	☐
159.72	162.77	3.05	GRD	3.05	100	R498255	☐	15-005			☐	☐	☐
162.77	165.05	2.28	GRD	2.24	98	R498256	☐	15-005			☐	☐	☐
165.05	166.50	1.45	GRD	0.45	31	R498257	☐	15-005			☐	☐	☐
166.50	167.17	0.67	GRD	0.66	99	R498259	☐	15-005			☐	☐	☐
167.17	167.99	0.82	GRD	0.82	100	R498260	☐	15-005			☐	☐	☐
167.99	168.69	0.70	GRD	0.70	100	R498261	☐	15-005			☐	☐	☐
168.69	170.00	1.31	GRD	1.31	100	R498262	☐	15-005			☐	☐	☐
170.00	171.64	1.64	GRD	1.64	100	R498263	☐	15-005			☐	☐	☐
170.00	171.64	1.64	GRD	1.64	100	R498264	☐	15-005			☐	☑	☐
171.64	173.99	2.35	GRD	2.12	90	R498265	☐	15-005			☐	☐	☐
173.99	176.15	2.16	GRD	2.16	100	R498266	☐	15-005			☐	☐	☐
176.15	179.00	2.85	GRD	2.74	96	R498267	☐	15-005			☐	☐	☐
179.00	180.46	1.46	GRD	1.46	100	R498268	☐	15-005			☐	☐	☐
180.46	182.65	2.19	GRD	2.08	95	R498270	☐	15-005			☐	☐	☐
182.65	185.00	2.35	GRD	1.70	72	R498271	☐	15-005			☐	☐	☐
185.00	186.25	1.25	GRD	1.07	86	R498272	☐	15-005			☐	☐	☐
186.25	187.57	1.32	GRD, GRD	1.30	98	R498273	☐	15-006			☐	☐	☐
187.57	188.05	0.48	GRD	0.47	98	R498274	☐	15-006			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
188.05	189.97	1.92	GRD	1.80	94	R498275	☐	15-006			☐	☐	☐
189.97	191.82	1.85	GRD	1.29	70	R498276	☐	15-006			☐	☐	☐
191.82	192.38	0.56	GRD	0.55	98	R498277	☐	15-006			☐	☐	☐
192.38	193.52	1.14	GRD	1.08	95	R498279	☐	15-006			☐	☐	☐
204.52	205.46	0.94	GRD	0.94	100	R498280	☐	15-006			☐	☐	☐
205.46	205.69	0.23	GRD	0.23	100	R498281	☐	15-006			☐	☐	☐
205.69	206.11	0.42	GRD	0.42	100	R499223	☐	15-009	HG 1		☐	☐	☐
206.11	207.07	0.96	GRD	0.96	100	R498282	☐	15-006			☐	☐	☐
207.07	207.50	0.43	GRD	0.43	100	R498283	☐	15-006			☐	☐	☐
207.07	207.50	0.43	GRD	0.43	100	R498284	☐	15-006			☐	☑	☐
207.50	208.61	1.11	GRD	1.10	99	R498285	☐	15-006			☐	☐	☐
221.19	222.21	1.02	QFP	1.02	100	R498286	☐	15-006			☐	☐	☐
222.21	222.94	0.73	GRD	0.63	86	R498287	☐	15-006			☐	☐	☐
222.94	225.40	2.46	GRD, GRD	2.46	100	R498288	☐	15-006			☐	☐	☐
251.98	254.09	2.11	GRD	2.11	100	R498289	☐	15-006			☐	☐	☐
254.09	254.44	0.35	GRD	0.35	100	R498290	☐	15-006			☐	☐	☐
254.09	254.44	0.35	GRD	0.35	100	R498291	☐	15-006			☐	☐	☑
254.44	256.36	1.92	GRD	1.92	100	R498292	☐	15-006			☐	☐	☐
256.36	256.65	0.29	GRD	0.29	100	R499224	☐	15-009	HG 1		☐	☐	☐
256.65	257.96	1.31	GRD	1.24	95	R498293	☐	15-006			☐	☐	☐
257.96	258.35	0.39	GRD	0.39	100	R499225	☐	15-009	HG 1		☐	☐	☐
258.35	259.08	0.73	GRD	0.73	100	R498294	☐	15-006			☐	☐	☐
259.08	259.98	0.90	GRD	0.90	100	R498296	☐	15-006			☐	☐	☐
259.98	261.20	1.22	GRD	1.19	98	R498297	☐	15-006			☐	☐	☐
275.94	276.98	1.04	GRD	1.04	100	R498298	☐	15-006			☐	☐	☐
276.98	279.04	2.06	GRD, GRD	2.06	100	R498299	☐	15-006			☐	☐	☐
279.04	280.02	0.98	GRD	0.97	99	R498300	☐	15-006			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
280.02	280.53	0.51	GRD	0.51	100	R499226	☐	15-009	HG 1		☐	☐	☐
280.53	281.20	0.67	GRD, VEN	0.67	100	R499227	☐	15-009	HG 1		☐	☐	☐
281.20	281.72	0.52	GRD	0.49	94	R498302	☐	15-006			☐	☐	☐
281.72	282.10	0.38	GRD	0.38	100	R498303	☐	15-006			☐	☐	☐
282.10	283.06	0.96	GRD, GRD	0.96	100	R498304	☐	15-006			☐	☐	☐

Klaza - Klaza Project

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		383088	6889090	1427.18	197.21

ZONE: Eastern BRX

SECTION:

HOLE: KL-15-242

CLAIM:

Contractor: Platinum

Drill: 1

Core Size: HQ

Casing Depth: 2.03m, Out

Drilling Dates: Jun 08 - Jun 10, 2015

Geology Logged By: T. Cruz

SURVEY			
Depth (m)	Azimuth	Dip	Method
14.32	20.5	0	Reflex
197.2	38.7	-49.7	Reflex

TARGET:

SUMMARY			
From (m)	To (m)	Interval (m)	Rock Type
0	2.03	2.03	OVB
2.03	12.15	10.12	GRD
12.15	14.54	2.39	QFP
14.54	27.78	13.24	GRD
27.78	29.57	1.79	GRD
29.57	29.68	0.11	FLT
29.68	35.88	6.2	GRD
35.88	41.6	5.72	GRD
41.6	44.21	2.61	GRD
44.21	44.81	0.6	QFP
44.81	47.85	3.04	BXA
47.85	49.81	1.96	GRD
49.81	53.51	3.7	GRD
53.51	59.82	6.31	GRD
59.82	81.09	21.27	GRD
81.09	82.05	0.96	GRD

SAMPLES	
Numbers:	R498805 to R498840, R499217 to R499222, R499228 to R499236
Total:	51
Batch:	004, 007, 009
Certificates:	WH15086978, WH15086995, WH15087003

COMMENTS
44.8-47m is the E BRX vein zone. Pika at 166-169m.

82.05	82.23	0.18	VEN
82.23	85.77	3.54	GRD
85.77	119.9	34.13	GRD
119.9	120.14	0.24	GRD
120.14	121.59	1.45	GRD
121.59	157.58	35.99	GRD
157.58	166.25	8.67	GRD
166.25	168.91	2.66	VEN
168.91	175.42	6.51	GRD
175.42	178.46	3.04	GRD
178.46	191.2	12.74	GRD
191.2	191.31	0.11	VEN
191.31	197.21	5.9	GRD

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
2.03	6.20	4.17	GRD	MG	Very rubbly and oxidized recovery through granodiorite.							
						MD	GY	RB	OXI	4I		
						MD	BN	FR				
6.20	12.15	5.95	GRD	MG	Fresh granodiorite with patches of weak propylitic alteration. Cut by rare pyrite stringers. Sharp lower contact with quartz feldspar porphyry dyke.							
						MD	GY		OXI	3I		
						MD	BN		PRO	1I		
12.15	14.54	2.39	QFP	FG	Light green-grey quartz feldspar porphyry dyke with olive greenish ground mass and light green anhedral altered phenocyrsts, likely feldspars altered to clay. Significant hydrothermal alteration has obliterated primary groundmass textures. Weak-moderate oxide staining on fractures. 5% of phenocrysts are large clear, anhedral quartz.							
						MD	GN	RX	OXI	2I		
						LT	GN	PO	HYD	4I		
14.54	17.13	2.59	GRD	MG	Argillic and phyllic altered granodiorite adjacent to quartz feldspar porphyry dyke contact. Cut by few smoky-milky quartz-carbonate veins hosting pyrite. Weak oxidation stemming from fractures.							
						LT	GN		ARG	3I	Py	0.1
						LT	BN		PHC	2I		
									OXI	1I		
17.13	18.90	1.77	GRD	MG	Granodiorite with weak patchy propylitic alteration and oxidation on fracture surfaces.							
						MD	GN		PRO	2I		
						LT	BN		OXI	1I		
18.90	21.67	2.77	GRD	MG	Granodiorite with patchy weak argillic and phyllic, haloing smoky quartz-pyrite veinlets. Weak oxidation on fractures.							
						MD	GN		ARG	2I	Py	0.1
						LT	BN		OXI	1I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	GN		PHC	2I		
21.67	22.89	1.22	GRD	MG	Moderate phyllic altered granodiorite. Cut by few discontinuous pyrite stringers.							
						LT	GN		PHC	3I	Py	0.1
									OXI	1I		
22.89	24.98	2.09	GRD	MG	Argillic altered granodiorite with trace oxidation on fractures.							
						LT	GN		ARG	3I		
						LT	WH		OXI	1I		
24.98	27.78	2.80	GRD	MG	Granodiorite with patchy weak phyllic, weak propylitic, and weak argillic alteration. Trace potassic overprint on argillic. Cut by few milky quartz-pyrite veinlets.							
						LT	GN	PA	PHC	2I	Py	0.1
						LT	WH		PRO	1I		
						LT	PK		ARG	1I		
									POT	1I		
									OXI	1I		
27.78	29.57	1.79	GRD	MG	Argillic altered granodiorite with narrow phyllic halos on quartz-pyrite veins.							
						LT	WH		PHC	2I		
						LT	GN		ARG	3I	Py	0.1
29.57	29.68	0.11	FLT	FG	Low angle (10 degree) fault with some pyrite and more than 3cm gouge development.							
						MD	GY	PB	CLY	3I	Py	0.1
						LT	GY					
35.88	41.60	5.72	GRD	MG	Fresh granodiorite with weak patchy propylitic and weak argillic halos on some fractures. Argillic alteration is somewhat crumbled.							
						MD	GY	FR	POT	1I		
						MD	GN		PRO	2I		
									ARG	2I		
41.60	44.21	2.61	GRD	MG	Dominantly argillic altered with weak potassic overprint granodiorite adjacent to quartz feldspar porphyry dyke contact. Contacts are gouged up to 11cm. Cut by nearly netted gouged fractures between 42-42.5m.							
						LT	GN					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	WH					
						LT	PK					
44.21	44.81	0.60	QFP	FG	Fine grained tan quartz feldspar porphyry dyke with strong hydrothermal alteration and gouge at contacts. Recovery is partially brecciated and clast supported with gouge inbetween.							
						LT	GY	FR	CLY	3I		
						LT	TN	BX	HYD	4I		
								PB				
44.81	45.04	0.23	BXA	FG	Clay gouge-supported breccia with clasts of quartz-sulphide veins. Clay is oxide stained and 75% of recovery. Some clay is darker grey due to sulphide grinding. Pyrite and galena are clearly seen on clasts and ni gouge, but other sulphides may be present and indistinguishable.							
						MD	GY	BX	CLY	4I	Py	10
						LT	GY	PB				
						LT	BN	FR	OXI	2I	Gn	3
45.04	45.96	0.92	BXA	FG	Multiphase breccia! First phase is grey-smoky quartz carrying pyrite and limited honey brown sphalerite. This is brecciated by milky quartz-carbonate that carries a high percentage of blebby galena and honey brown sphalerite. In some places, galena is so rich it appears to be a cement. Trace disseminated arsenopyrite near galena and sphalerite. Weak oxide staining.							
						LT	WH				As	2
						LT	GY				Sp	6
						LT	BN				Gn	12
						DK	BL	BX	OXI	1I	Py	4
45.96	46.23	0.27	CLY	FG	Grey gouge along breccia contact with light brown staining from oxidation. Fine pyrite in gouge. Darker grey from ground up sulphides.							
						MD	GY					
						LT	BN		CLY	5I	Py	3
						LT	GY				Gn	1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
46.23	46.51	0.28	GRD	MG	Strongly silicified phyllic granodiorite with a brecciated contact with a narrow smoky quartz vein. There are blebs of pyrite and minor chalcopyrite, but silicification blurs most primary textures. Quartz eyes have formed, up to 0.7cm in diameter.							
						LT	GN	RX	SIL	4I	Py	3
						LT	GY	BX	PHC	4I	Cp	1
											Py	2
46.51	46.59	0.08	BXA	FG	Quartz feldspar porphyry dyke brecciated by milky quartz veins. Subrounded clast-supported with some interstitial pyrite/galena.							
						LT	TN	BX			Py	2
						LT	WH				Gn	4
46.59	46.95	0.36	BXA	FG	Multiphase breccia. Earliest phase is phyllic granodiorite brecciated by milky quartz-carbonate hosting honey brown sphalerite and galena. The second brecciating event is light grey quartz incorporating the milky quartz-carbonate and granodiorite. Finally, a dark smoky quartz hosting galena, sphalerite, and arsenopyrite further brecciates the previous phases. Disseminated arsenopyrite is richest in smoky quartz, and tends to form near galena and sphalerite.							
						LT	WH				Sp	3
						LT	GY				Gn	5
						DK	BL	BX			Py	3
											As	2
46.95	47.08	0.13	BXA	FG	This interval is dominated by a second milky quartz phase, which is relatively barren compared to previous milky quartz-carbonate. Clasts of smoky quartz with internal clasts of the first galena-bearing milky quartz phase are evidence. Second phase milky quartz is vuggy and shows zoning around clasts.							
						LT	WH	BX			Gn	1
						LT	GY				As	1
						DK	GY	ZO			Py	2

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
47.08	47.67	0.59	GRD	MG	Strongly phyllic altered granodiorite with significant disseminated pyrite in groundmass. This granodiorite is cut by milky quartz-carbonate veins hosting galena and honey brown sphalerite, and greyish quartz veins hosting blebby pyrite.							
						LT	GN		PHC	4I	Py	3
						LT	WH				Py	1
											Gn	1
											Sp	1
47.67	47.85	0.18	VEN	MG	Massive grey quartz vein with blebby pyrite throughout. Upper selvedge has a concentration of blackjack sphalerite which encrusts pyrite in milky quartz. Disseminated arsenopyrite is sometimes found between the sphalerite and pyrite. Large blebs of interstitial white carbonate are concentrated near the lower selvedge.							
						MD	BR				Py	30
						MD	GY				As	1
						LT	WH				Sp	2
											Gn	1
47.85	49.81	1.96	GRD	MG	Moderate-weak phyllic with patchy weak argillic granodiorite. Cut by few grey-white quartz carbonate veinlets hosting disseminated pyrite.							
						LT	GN		PHC	3I	Py	0.1
									ARG	2I		
49.81	53.51	3.70	GRD	MG	Fresh granodiorite with weak phyllic on healed fractures.							
						MD	GY		PHC	1I		
						LT	GN					
53.51	54.96	1.45	GRD	MG	Weak pervasive phyllic alteration with trace disseminated pyrite and few discontinuous pyrite stringers. Weak oxide staining on fractures.							
						LT	BN		OXI	1I		
						LT	GN		PHC	2I	Py	1
54.96	57.00	2.04	GRD	MG	Fractured granodiorite with weak phyllic and weak oxidation on fracture surfaces. Cut by white-grey quartz-pyrite veins.							
						LT	GN	FR	PHC	3I	Py	1
						LT	BN		OXI	1I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
57.00	59.82	2.82	GRD	MG	Weak pervasive argillic altered granodiorite with weak pervasive oxide staining. No veinlets.							
						MD	BN		OXI	2I		
						LT	BN		ARG	2I		
59.82	63.73	3.91	GRD	MG	Fresh granodiorite with weak oxidation on fractures.							
						MD	GY		OXI	1I		
						LT	BN					
63.73	65.39	1.66	GRD	MG	Phyllic altered granodiorite cut by pyrite stringers with silicified halos. Weak oxide staining on fractures.							
						LT	GN		PHC	3I	Py	2
									OXI	1I		
65.39	66.14	0.75	GRD	MG	Fresh granodiorite.							
						MD	GY					
66.14	66.91	0.77	GRD	MG	Moderate argillic alteration and oxide staining around frequent fractures.							
						LT	BN	FR	ARG	2I		
									OXI	1I		
66.91	72.58	5.67	GRD	MG	Fresh granodiorite with patches of weak propylitic.							
						MD	GY	PA	PRO	1I		
						MD	GN					
72.58	74.52	1.94	GRD	MG	Granodiorite with moderate pervasive propylitic alteration and weak silicic overprint. Silicification begins to blur primary crystal textures.							
						MD	GY	RX	PRO	3I		
						MD	GN		SIL	2I		
74.52	75.54	1.02	GRD	MG	Fresh granodiorite.							
						MD	GY					
75.54	76.32	0.78	GRD	MG	Granodiorite cut by quartz-pyrite veins with phyllic alteration.							
						LT	GN		PHC	2I	Py	0.1
76.32	81.09	4.77	GRD	MG	Fresh granodiorite cut by rare quartz-pyrite veinlets. Weak patchy propylitic alteration.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GY	PA	PRO	1I		
						MD	GN					
81.09	82.05	0.96	GRD	MG	Phyllic and argillic altered granodiorite.							
						LT	GN		PHC	2I		
						LT	WH		ARG	2I		
82.05	82.23	0.18	VEN	MG	Polymetallic vein with distinct sections. 82.05-82.07m: Clear quartz veinlet finely brecciated by white quartz-carbonate vein. Hosts trace disseminated pyrite. 85.07-82.11m: smoky quartz vein with few small fragments of white quartz-carbonate. Hosts disseminated pyrite. 82.11-82.15m: smoky quartz vein with a white comb quartz along selvedges. Brecciates some milky quartz. Hosts disseminated pyrite and trace disseminated arsenopyrite. 82.15-82.20m: this is the best section of the vein. Massive pyrite grows along selvedges, with galena and arsenopyrite interstitial to pyrite. Blackjack sphalerite and ghost bladed pyrite are found on the inner margins of massive pyrite, and the centre of the vein fill is white quartz-carbonate.							
						MD	GY				As	1
						MD	BR				Sp	5
						DK	GY				Py	2
											Gn	1
											Py	2
82.23	85.50	3.27	GRD	MG	Granodiorite with patchy phyllic and argillic alteration. Cut by few pyrite-bearing quartz veinles and stringers. Rare mafic xenoliths.							
						MD	GY	PA	ARG	1I	Py	0.1
						LT	GN		PHC	2I		
85.50	85.57	0.07	VEN	MG	Vein of alternating band of white and smoky quartz. White quartz often shows crustiform/comb textures, especially within vugs. Disseminated/blebby pyrite, disseminated galena, and fine blebby blackjack sphalerite are found in smoky quartz.							
						LT	WH	BN			Py	8
						DK	GY				Gn	1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
											Sp	1
85.57	85.77	0.20	GRD	MG	Granodiorite with disseminated pyrite and weak phyllic alteration.							
						LT	GN		PHC	2I	Py	1
85.77	97.08	11.31	GRD	MG	Fresh granodiorite with patches of weak propylitic. Cut by few quartz-pyrite veinlets with narrow phyllic halos.							
						MD	GY		PRO	1I		
97.08	99.29	2.21	GRD	MG	Moderate propylitic alteration with higher chlorite/mafic concentration giving the rock a darker green-grey colour. Cut by two quartz-pyrite veinlets.							
						DK	GN		PRO	3I	Py	0.1
						DK	GY					
99.29	102.60	3.31	GRD	MG	Fresh granodiorite.							
						MD	GY					
102.60	105.60	3.00	GRD	MG	Moderately argillic altered granodiorite with patchy trace potassic. Leads up to narrow fault plane.							
						LT	WH		ARG	3I		
						LT	PK		POT	1I		
105.60	105.65	0.05	FLT	FG	Narrow gouged fault. No definite inclination measureable.							
						LT	GN		CLY	4I		
						LT	GY					
105.65	106.14	0.49	GRD	MG	Moderate argillic and weak potassic altered granodiorite.							
						LT	WH		ARG	3I		
						LT	PK		POT	1I		
106.14	110.06	3.92	GRD	MG	Fresh granodiorite with trace propylitic and narrow phyllic halos on quartz veinlets with trace disseminated pyrite. Hosts few partially resorbed xenoliths.							
						MD	GY		PRO	1I		
									PHC	1I		
110.06	112.26	2.20	GRD	MG	Phyllic-argillic altered granodiorite cut by quartz veinlets.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	WH		ARG	2I		
						LT	GN		PHC	2I		
112.26	114.60	2.34	GRD	MG	Fractured granodiorite with argillic alteration stemming from fractures. Dumortierite on fractures at 113.5m.							
						MD	GY	FR	ARG	2I		
						LT	WH					
114.60	119.90	5.30	GRD	MG	Moderately phyllic altered granodiorite with weak oxide staining on fractures. Cut by a gouged zone and several quartz-pyrite veinlets.							
						LT	GN	FR	PHC	3I	Py	1
						LT	WH		ARG	2I		
									OXI	1I		
119.90	120.14	0.24	GRD	MG	Fractured granodiorite cut by milky-smoky quartz-pyrite veins. Oxide staining on all fractures and gouge.							
						LT	BN	FR	PHC	2I	Py	1
						LT	GN		OXI	2I		
120.14	121.59	1.45	GRD	MG	Weak phyllic and argillic alteration stemming outward from the preceding fracture zone. Cut by quartz pyrite veinlets.							
						LT	WH		PHC	2I	Py	1
						LT	GN		ARG	2I		
121.59	147.20	25.61	GRD	MG	Fresh granodiorite with patchy propylitic alteration and narrow phyllic halos on few crosscutting pyrite-bearing veins.							
						MD	GY	PA	PRO	1I		
						MD	GN		PHC	1I		
147.20	148.78	1.58	GRD	MG	Moderately phyllic altered granodiorite cut by 4 quartz veinlets hosting disseminated pyrite.							
						LT	GN		PHC	3I	Py	0.1
148.78	153.48	4.70	GRD	MG	Fresh granodiorite with patchy propylitic alteration.							
						MD	GY	PA	PRO	1I		
						MD	GN					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
153.48	155.43	1.95	GRD	MG	Phyllic and argillic alteration halos on quartz veins/veinlets with disseminated pyrite.							
						LT	WH		PHC	3I	Py	1
						LT	GN		ARG	2I		
155.43	157.58	2.15	GRD	MG	Granodiorite with weak-moderate pervasive propylitic alteration. Chlorite and quartz have indistinct boundaries.							
						MD	GN	RX	PRO	3I		
						DK	GN					
157.58	166.25	8.67	GRD	MG	Granodiorite with moderate pervasive phyllic and patchy argillic alteration. Cut by many quartz-pyrite veins with narrow strong phyllic halos. Fine disseminated pyrite in groundmass.							
						LT	GN		PHC	4I	Py	2
						LT	GY		ARG	2I		
166.25	166.36	0.11	VEN	MG	First 5cm is a polymetallic grey massive quartz vein followed by a 5cm wide polymictic breccia. The polymetallic quartz vein hosts semi-massive pyrite, blebby galena, blebby honey brown sphalerite, and disseminated arsenopyrite. Pyrite is hosted throughout the quartz. Arsenopyrite, honey brown sphalerite, and galena are near vein selvedges. Polymictic breccia is clast-supported, with 60% clasts and 40% milky quartz cement. Clasts are subrounded and consist of 70% pebble-sized phyllic granodiorite and 30% gravel-sized clasts of smoky quartz veinlet hosting disseminated pyrite.							
						MD	GY	BX			Sp	1
						MD	BR	BN			Py	25
						LT	WH				Gn	1
											As	1
166.36	166.73	0.37	GRD	MG	Strongly phyllic altered granodiorite cut by quartz-pyrite stringers and carbonate stringers. Disseminated pyrite in groundmass.							
						LT	GY		PHC	4I	Py	5
						LT	GN					
166.73	166.92	0.19	VEN	MG	Massive quartz vein hosting massive pyrite and chalcopyrite. Locallized prismatic quartz crystals with interstitial massive pyrite.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	BR	MA			Py	70
											Cp	5
166.92	167.09	0.17	GRD	MG	Strong phyllic altered granodiorite cut by pyrite-bearing quartz and carbonate veinlets/stringers. Disseminated pyrite in groundmass.							
						LT	GY		PHC	4I	Py	4
						LT	GN					
167.09	167.23	0.14	BXA	MG	Appears to be phyllic granodiorite and smoky quartz vein brecciated by quartz-carbonate veinlets. All phases carry disseminated-blebby pyrite.							
						MD	GY					
						LT	GY	BX	PHC	4I	Py	6
167.23	167.58	0.35	GRD	MG	Strong phyllic-weak argillic altered granodiorite cut by quartz-pyrite stringers. Disseminated pyrite is hosted in groundmass.							
						MD	GY		PHC	3I	Py	4
						LT	WH		ARG	2I		
167.58	167.72	0.14	VEN	MG	Massive quartz veins hosting massive-blebby pyrite run parallel to smoky quartz vein that has been partially netted by weakly colloform milky quartz veinlets. Blebby honey brown sphalerite, blebby galena, and disseminated arsenopyrite are concentrated at the milky quartz borders and within smoky quartz clasts.							
						MD	BR				Sp	2
						LT	GY	NE			Py	30
						LT	WH				Gn	2
											As	3
167.72	168.74	1.02	GRD	MG	Strong phyllic altered granodiorite cut by quartz veinlets hosting blebby honey brown sphalerite, blebby arsenopyrite, and blebby galena.							
						LT	GN		PHC	3I	Py	4
											Sp	1
											As	2
											Gn	1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
168.74	168.91	0.17	VEN	MG	Massive quartz vein hosting massive pyrite, massive chalcopyrite, disseminated galena, trace disseminated honey brown sphalerite, and trace disseminated arsenopyrite.							
						MD	BR				Cp	15
						LT	WH	MA			Py	30
											As	2
											Gn	1
											Sp	2
168.91	175.42	6.51	GRD	MG	Moderate-strong phyllic altered granodiorite with patches of weak argillic. Cut by several quartz-pyrite veinlets and veins with narrow silicified halos.							
						LT	GN		PHC	4I	Py	2
									ARG	2I	Py	1
175.42	175.56	0.14	VEN	MG	Massive quartz vein with massive pyrite, blebby blackjack sphalerite, blebby honey brown sphalerite, disseminated-blebby arsenopyrite, and trace disseminated galena.							
						MD	BR	MA			Py	20
						MD	GY				Sp	5
											Gn	0.1
											As	2
175.56	177.62	2.06	GRD	MG	Granodiorite with strong phyllic alteration, crosscut by quartz-pyrite veins and veinlets with silicified halos. Disseminated pyrite in groundmass.							
						LT	GN		PHC	4I	Py	2
						LT	WH		ARG	2I		
177.62	177.73	0.11	VEN	MG	Banded pyrite vein, with alternatin bands of massive pyrite and quartz densely crowded with very fine grained pyrite. Possible trace disseminated arsenopyrite.							
						MD	BR	BN			Py	75
						MD	GY				As	0.1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
177.73	178.46	0.73	GRD	MG	Strongly phyllic altered granodiorite with clay on some fractures at 178.3m. Cut by quartz veins with disseminated-blebby pyrite. Disseminated pyrite in groundmass.							
						LT	GN		PHC	4I	Py	1
									ARG	1I	Py	2
178.46	182.91	4.45	GRD	MG	Phyllic granodiorite with weak disseminated pyrite in groundmass, cut by quartz-pyrite veins and veinlets.							
						LT	GN		PHC	3I	Py	1
182.91	184.98	2.07	GRD	MG	Fresh granodiorite cut by few quartz-pyrite veinlets with narrow phyllic halos.							
						MD	GY		PHC	2I	Py	0.1
						LT	GN					
184.98	187.27	2.29	GRD	MG	Phyllic granodiorite with weak disseminated pyrite in groundmass, cut by quartz-pyrite veins and veinlets.							
						LT	GN		PHC	3I	Py	0.1
187.27	189.89	2.62	GRD	MG	Fresh granodiorite cut by few quartz veinlets with pyrite and narrow phyllic halos.							
						MD	GY		PHC	2I	Py	0.1
						LT	GN					
189.89	191.20	1.31	GRD	MG	Phyllic altered granodiorite cut by few quartz-pyrite veinlets.							
						LT	GN		PHC	3I	Py	0.1
191.20	191.31	0.11	VEN	MG	Banded pyrite-rich quartz vein. Some bands of massive pyrite, very fine pyrite in quartz, and blebby pyrite in quartz.							
						MD	BR	BN			Py	40
						MD	GY				Py	30
191.31	191.86	0.55	GRD	MG	Moderate phyllic altered granodiorite with fine quartz veinlets/stringers hosting disseminated pyrite.							
						LT	GN		PHC	3I	Py	0.1
191.86	197.21	5.35	GRD	MG	Relatively fresh granodiorite with patches of trace propylitic alteration and weak phyllic alteration on quartz-pyrite veinlets.							
						MD	GY	PA	PRO	1I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GN		PHC	1I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
2.03	12.15	10.12	GRD	MG	Very rubbly and oxidized recovery through granodiorite.							
						MD	BN	FR				
						MD	GY	RB	OXI	4I		
12.15	14.54	2.39	QFP	FG	Light green-grey quartz feldspar porphyry dyke with olive greenish ground mass and light green anhedral altered phenocyrsts, likely feldspars altered to clay. Significant hydrothermal alteration has obliterated primary groundmass textures. Weak-moderate oxide staining on fractures. 5% of phenocrysts are large clear, anhedral quartz.							
						LT	GN	PO	HYD	4I		
						MD	GN	RX	OXI	2I		
14.54	27.78	13.24	GRD	MG	Granodiorite with patches of alteration. Patchy weak phyllic around some pyrite veinlets. Patchy weak propylitic and weak oxide staining on fractures.							
						MD	GN	PA	PHC	2I		
						MD	GY		OXI	1I		
						LT	GN		PRO	2I		
27.78	29.57	1.79	GRD	MG	Argillic altered granodiorite with narrow phyllic halos on quartz-pyrite veins.							
						LT	GN		ARG	3I	Py	0.1
						LT	WH		PHC	2I		
29.57	29.68	0.11	FLT	FG	Low angle (10 degree) fault with some pyrite and more than 3cm gouge development.							
						LT	GY					
						MD	GY	PB	CLY	3I	Py	0.1
35.88	41.60	5.72	GRD	MG	Fresh granodiorite with weak patchy propylitic and weak argillic halos on some fractures. Argillic alteration is somewhat crumbled.							
									ARG	2I		
						MD	GN		PRO	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GY	FR	POT	1I		
41.60	44.21	2.61	GRD	MG	Dominantly argillic altered with weak potassic overprint granodiorite adjacent to quartz feldspar porphyry dyke contact. Contacts are gouged up to 11cm. Cut by nearly netted gouged fractures between 42-42.5m.							
						LT	WH					
						LT	GN					
						LT	PK					
44.21	44.81	0.60	QFP	FG	Fine grained tan quartz feldspar porphyry dyke with strong hydrothermal alteration and gouge at contacts. Recovery is partially brecciated and clast supported with gouge inbetween.							
						LT	GY	FR	CLY	3I		
								PB				
						LT	TN	BX	HYD	4I		
44.81	47.85	3.04	BXA	MG	EBRX vein zone. Complex, with multiple quartz phases, at least one carbonate phase, and several sulphides. Brecciated, with significant gouge and weak oxide staining until 46.23m. Galena, honey brown sphalerite, andpyrite, are dominant in this initial gouged zone. Galena and sphalerite are associated with the milky quartz-carbonate. A short interval of brecciated dyke is present at 46.51-46.60m. Milky quartz-carbonate cement dominates at 46.60-47.23m. Veined granodiorite is present at 47.23-47.67m. A single major vein is at 47.67-47.85m and has more blackjack sphalerite then honey brown sphalerite.							
						LT	GY	XL			As	3
						MD	GY	BX	OXI	1I	Py	3
						LT	BN	BN	PHC	2I	Py	8
						LT	WH	VU			Sp	3
											Gn	8
47.85	49.81	1.96	GRD	MG	Moderate-weak phyllic with patchy weak argillic granodiorite. Cut by few grey-white quartz carbonate veinlets hosting disseminated pyrite.							
						LT	GN		PHC	3I	Py	0.1
									ARG	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
49.81	53.51	3.70	GRD	MG	Fresh granodiorite with weak phyllic on healed fractures.							
						LT	GN					
						MD	GY		PHC	1I		
53.51	59.82	6.31	GRD	MG	Weak pervasive phyllic altered granodiorite with a short faulted/rubbly interval introducing oxidation. Cut by few grey quartz veins with pyrite. Weak-moderate argillic in heavily fractured areas.							
						LT	BN	FR	OXI	2I		
						LT	GN	RB	PHC	2I	Py	1
59.82	81.09	21.27	GRD	MG	Fresh granodiorite with patches of weak alterations.							
						MD	GY		OXI	1I		
						MD	GN		PRO	1I		
81.09	82.05	0.96	GRD	MG	Phyllic and argillic altered granodiorite.							
						LT	WH		ARG	2I		
						LT	GN		PHC	2I		
82.05	82.23	0.18	VEN	MG	Polymetallic vein with distinct sections. 82.05-82.07m: Clear quartz veinlet finely brecciated by white quartz-carbonate vein. Hosts trace disseminated pyrite. 85.07-82.11m: smoky quartz vein with few small fragments of white quartz-carbonate. Hosts disseminated pyrite. 82.11-82.15m: smoky quartz vein with a white comb quartz along selvedges. Brecciates some milky quartz. Hosts disseminated pyrite and trace disseminated arsenopyrite. 82.15-82.20m: this is the best section of the vein. Massive pyrite grows along selvedges, with galena and arsenopyrite interstitial to pyrite. Blackjack sphalerite and ghost bladed pyrite are found on the inner margins of massive pyrite, and the centre of the vein fill is white quartz-carbonate.							
						MD	BR				Sp	5
						DK	GY				Py	2
						MD	GY				As	1
											Py	2
											Gn	1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
82.23	85.77	3.54	GRD	MG	Granodiorite with patchy phyllic and argillic alteration. Cut by few pyrite-bearing quartz veinles and stringers. Rare mafic xenoliths.							
						LT	GN		PHC	2I		
						MD	GY	PA	ARG	1I	Py	0.1
85.77	119.90	34.13	GRD	MG	Relatively fresh granodiorite with patches of weak propylitic, phyllic, and argillic alteration. Phyllic and argillic stem outwards from minor pyrite-bearing veins and zones of fracturing. Occasional mafic xenoliths.							
						MD	GN		PHC	1I		
									ARG	1I		
						MD	GY	PA	PRO	2I	Py	0.1
119.90	120.14	0.24	GRD	MG	Fractured granodiorite cut by milky-smoky quartz-pyrite veins. Oxide staining on all fractures and gouge.							
						LT	GN		OXI	2I		
						LT	BN	FR	PHC	2I	Py	1
120.14	121.59	1.45	GRD	MG	Weak phyllic and argillic alteration stemming outward from the preceding fracture zone. Cut by quartz pyrite veinlets.							
						LT	WH		PHC	2I	Py	1
						LT	GN		ARG	2I		
121.59	157.58	35.99	GRD	MG	Fresh granodiorite with patchy propylitic alteration and narrow phyllic halos on few crosscutting pyrite-bearing veins.							
						MD	GY	PA	PRO	1I		
						MD	GN		PHC	1I		
157.58	166.25	8.67	GRD	MG	Granodiorite with moderate pervasive phyllic and patchy argillic alteration. Cut by many quartz-pyrite veins with narrow strong phyllic halos. Fine disseminated pyrite in groundmass.							
						LT	GN		PHC	4I	Py	2
						LT	GY		ARG	2I		
166.25	168.91	2.66	VEN	MG	3m of intensely veined granodiorite, cut by 5 major veins/vein breccias. Granodiorite between major veins/vein breccias is cut by many narrower veins/veinlets.							
						LT	GN				Sp	2

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GY		PHC	4I	Py	3
											As	2
						MD	BR				Py	5
											Gn	1
168.91	175.42	6.51	GRD	MG	Moderate-strong phyllic altered granodiorite with patches of weak argillic. Cut by several quartz-pyrite veinlets and veins with narrow silicified halos. Disseminated pyrite in groundmass.							
						LT	GN		PHC	4I	Py	2
									ARG	2I	Py	1
175.42	178.46	3.04	GRD	MG	Granodiorite with several siginificant veins. Cut by minor quartz-pyrite veinlets and veins with silicified halos. Granodiorite has strong phyllic alteration and disseminated pyrite in groundmass.							
						LT	WH		ARG	2I	Py	2
						LT	GN		PHC	4I	Py	5
											As	0.1
						MD	BR				Sp	0.1
178.46	191.20	12.74	GRD	MG	Granodiorite with patches of phyllic alteration around grey-milky quartz veins and veinlets, typically bearing pyrite. Cut by a single aplite dykelet (4cm wide at ~180m). Trace potassic overprints.							
									ARG	2I		
						MD	GY	PA	PHC	3I	Py	0.1
									POT	1I		
						LT	GN		PRO	1I		
191.20	191.31	0.11	VEN	MG	Banded pyrite-rich quartz vein. Some bands of massive pyrite, very fine pyrite in quartz, and blebby pyrite in quartz.							
						MD	BR	BN			Py	40
						MD	GY				Py	30
191.31	197.21	5.90	GRD	MG	Relatively fresh granodiorite with patches of phyllic and propylitic alteration. Trace disseminated pyrite and quartz-pyrite veins in phyllic.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GY	PA	PHC	2I	Py	0.1
						MD	GN		PRO	1I		
						LT	GN					

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
0.00	2.13	2.13	0.1	5	0.00	0	--	3H	2W	
2.13	5.18	3.05	1.1	36	0.00	0	--	3H	2W	
5.18	8.23	3.05	1.35	44	0.35	11	--	3H	2W	
8.23	11.27	3.04	1.86	61	1.55	51	--	4H	2W	
11.27	14.32	3.05	2.35	77	1.19	39	--	3H	2W	
14.32	17.37	3.05	2.64	87	1.31	43	--	3H	2W	
17.37	20.42	3.05	2.4	79	1.97	65	--	4H	1W	
20.42	23.47	3.05	2.44	80	1.90	62	--	4H	1W	
23.47	26.52	3.05	2.66	87	1.54	50	--	4H	1W	
26.52	29.57	3.05	2.78	91	2.04	67	--	3H	1W	
29.57	32.61	3.04	2.47	81	1.05	35	--	3H	1W	
32.61	35.66	3.05	2.33	76	0.94	31	--	3H	1W	
35.66	38.71	3.05	2.77	91	2.21	72	--	4H	1W	
38.71	41.76	3.05	2.44	80	0.64	21	--	3H	1W	
41.76	44.81	3.05	2.44	80	1.45	48	--	2H	1W	
44.81	47.85	3.04	1.83	60	0.87	29	--	2H	1W	
47.85	50.90	3.05	2.99	98	2.13	70	--	3H	1W	
50.90	53.95	3.05	3	98	2.59	85	--	4H	1W	
53.95	57.00	3.05	1.71	56	0.77	25	--	3H	1W	
57.00	60.05	3.05	1.76	58	0.55	18	--	3H	1W	
60.05	63.09	3.04	2.07	68	1.39	46	--	4H	1W	
63.09	66.14	3.05	2.76	90	2.23	73	--	3H	1W	
66.14	69.19	3.05	2.84	93	1.81	59	--	4H	1W	
69.19	72.24	3.05	2.94	96	1.92	63	--	4H	1W	
72.24	75.29	3.05	2.82	92	1.93	63	--	4H	1W	
75.29	78.33	3.04	2.8	92	2.46	81	--	4H	1W	
78.33	81.38	3.05	2.85	93	2.58	85	--	4H	1W	
81.38	84.43	3.05	2.83	93	2.27	74	--	4H	1W	
84.43	87.48	3.05	2.57	84	1.87	61	--	4H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
87.48	90.52	3.04	2.96	97	1.59	52	--	4H	1W	
90.52	93.57	3.05	2.02	66	1.62	53	--	4H	1W	
93.57	96.62	3.05	2.94	96	2.07	68	--	4H	1W	
96.62	99.67	3.05	2.9	95	1.98	65	--	4H	1W	
99.67	102.72	3.05	2.96	97	1.75	57	--	4H	1W	
102.72	105.76	3.04	2.48	82	1.46	48	--	4H	1W	
105.76	108.81	3.05	2.71	89	1.53	50	--	4H	1W	
108.81	111.86	3.05	2.62	86	2.03	67	--	4H	1W	
111.86	114.90	3.04	2.47	81	1.15	38	--	4H	1W	
114.90	117.96	3.06	2.69	88	1.58	52	--	4H	1W	
117.96	121.00	3.04	2.63	87	1.16	38	--	4H	1W	
121.00	124.05	3.05	2.87	94	1.96	64	--	4H	1W	
124.05	127.10	3.05	2.57	84	1.35	44	--	4H	1W	
127.10	130.15	3.05	2.47	81	1.02	33	--	4H	1W	
130.15	133.20	3.05	2.57	84	1.53	50	--	4H	1W	
133.20	136.24	3.04	3.04	100	2.79	92	--	4H	1W	
136.24	139.29	3.05	2.79	91	2.44	80	--	4H	1W	
139.29	142.34	3.05	2.65	87	1.64	54	--	4H	1W	
142.34	145.39	3.05	2.68	88	1.98	65	--	4H	1W	
145.39	148.44	3.05	1.95	64	1.03	34	--	4H	1W	
148.44	151.49	3.05	3.05	100	2.50	82	--	4H	1W	
151.49	154.53	3.04	2.94	97	2.14	70	--	3H	1W	
154.53	157.58	3.05	2.75	90	1.51	50	--	3H	1W	
157.58	160.63	3.05	2.5	82	1.66	54	--	3H	1W	
160.63	163.68	3.05	3	98	2.26	74	--	4H	1W	
163.68	166.76	3.08	3.01	98	2.28	74	--	4H	1W	
166.76	169.77	3.01	2.52	84	1.58	52	--	4H	1W	
169.77	172.82	3.05	2.28	75	1.37	45	--	4H	1W	
172.82	175.87	3.05	2.98	98	1.87	61	--	4H	1W	
175.87	178.92	3.05	2.61	86	1.32	43	--	3H	1W	
178.92	181.97	3.05	2.62	86	1.33	44	--	3H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
181.97	185.01	3.04	3.04	100	2.36	78	--	4H	1W	
185.01	188.06	3.05	2.83	93	1.99	65	--	4H	1W	
188.06	191.11	3.05	2.61	86	1.67	55	--	4H	1W	
191.11	194.16	3.05	2.72	89	2.10	69	--	4H	1W	
194.16	197.21	3.05	2.87	94	2.31	76	--	4H	1W	

KL-15-242

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
0.00	0.00	0.00	-QC-	0.00	0	R498830	☐	15-007		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R498837	☐	15-007			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R499218	☐	15-009	HG 1		☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R499220	☐	15-009	HG 1	KL-STD6	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R498813	☐	15-007		KL-STD4	☐	☐	☐
14.54	16.64	2.10	QFP, GRD	1.90	90	R498805	☐	15-004			☐	☐	☐
30.25	31.41	1.16	GRD	1.00	86	R498806	☐	15-004			☐	☐	☐
31.41	32.89	1.48	GRD	1.47	99	R498807	☐	15-004			☐	☐	☐
42.00	42.80	0.80	GRD	0.80	100	R498808	☐	15-004			☐	☐	☐
42.80	44.21	1.41	GRD	1.10	78	R498809	☐	15-007			☐	☐	☐
42.80	44.21	1.41	GRD	1.10	78	R498810	☐	15-007			☐	☐	☑
44.21	44.81	0.60	GRD, QFP	0.60	100	R498811	☐	15-007			☐	☐	☐
44.81	46.23	1.42	QFP, BXA	1.05	74	R499217	☐	15-009	HG 1		☐	☐	☐
46.23	46.70	0.47	BXA	0.47	100	R499219	☐	15-009	HG 1		☐	☐	☐
46.70	47.23	0.53	BXA	0.53	100	R499221	☐	15-009	HG 1		☐	☐	☐
47.23	47.85	0.62	BXA	0.48	77	R499222	☐	15-009	HG 1		☐	☐	☐
81.38	81.93	0.55	GRD	0.47	85	R498812	☐	15-007			☐	☐	☐
81.93	82.44	0.51	GRD	0.50	98	R498814	☐	15-007			☐	☐	☐
82.44	83.38	0.94	GRD	0.94	100	R498815	☐	15-007			☐	☐	☐
83.38	84.83	1.45	GRD	1.45	100	R498816	☐	15-007			☐	☐	☐
83.38	84.83	1.45	GRD	1.45	100	R498817	☐	15-007			☐	☑	☐
84.83	85.57	0.74	GRD	0.74	100	R498818	☐	15-007			☐	☐	☐
85.57	86.12	0.55	GRD	0.52	95	R498819	☐	15-007			☐	☐	☐
161.29	163.68	2.39	GRD	2.32	97	R498820	☐	15-007			☐	☐	☐
163.68	165.44	1.76	GRD	1.76	100	R498821	☐	15-007			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
165.44	166.25	0.81	GRD	0.81	100	R498822	☐	15-007			☐	☐	☐
166.25	166.73	0.48	GRD, VEN	0.48	100	R498823	☐	15-007			☐	☐	☐
166.73	167.23	0.50	VEN	0.50	100	R499228	☐	15-009	HG 1		☐	☐	☐
167.23	168.41	1.18	VEN	1.13	96	R499229	☐	15-009	HG 1		☐	☐	☐
168.41	168.91	0.50	VEN	0.50	100	R499230	☐	15-009	HG 1		☐	☐	☐
168.91	170.23	1.32	GRD, VEN	1.32	100	R498824	☐	15-007			☐	☐	☐
168.91	170.23	1.32	GRD, VEN	1.32	100	R498825	☐	15-007			☐	☑	☐
170.23	172.30	2.07	GRD	1.37	66	R498826	☐	15-007			☐	☐	☐
172.30	173.29	0.99	GRD	0.99	100	R498827	☐	15-007			☐	☐	☐
173.29	174.82	1.53	GRD	1.52	99	R498828	☐	15-007			☐	☐	☐
174.82	175.54	0.72	GRD	0.72	100	R499231	☐	15-009	HG 1		☐	☐	☐
175.54	176.98	1.44	GRD	1.43	99	R499232	☐	15-009	HG 1		☐	☐	☐
175.54	176.98	1.44	GRD	1.43	99	R499233	☐	15-009	HG 1		☐	☐	☑
176.98	177.73	0.75	GRD	0.63	84	R499234	☐	15-009	HG 1		☐	☐	☐
177.73	178.34	0.61	GRD	0.61	100	R499235	☐	15-009	HG 1		☐	☐	☐
178.34	180.24	1.90	GRD	1.90	100	R498829	☐	15-007			☐	☐	☐
180.24	181.40	1.16	GRD	1.16	100	R498831	☐	15-007			☐	☐	☐
181.40	182.91	1.51	GRD	1.48	98	R498832	☐	15-007			☐	☐	☐
182.91	184.98	2.07	GRD	2.00	97	R498833	☐	15-007			☐	☐	☐
184.98	185.93	0.95	GRD	0.95	100	R498834	☐	15-007			☐	☐	☐
185.93	186.57	0.64	GRD	0.64	100	R498835	☐	15-007			☐	☐	☐
186.57	187.05	0.48	GRD	0.48	100	R498836	☐	15-007			☐	☐	☐
187.05	189.89	2.84	GRD	2.72	96	R498838	☐	15-007			☐	☐	☐
189.89	190.95	1.06	GRD	1.03	97	R498839	☐	15-007			☐	☐	☐
190.95	191.50	0.55	GRD	0.53	96	R499236	☐	15-009	HG 1		☐	☐	☐
191.50	192.73	1.23	GRD	1.22	99	R498840	☐	15-007			☐	☐	☐

Klaza - Klaza Project

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		382520	6890291	1361.24	506.61

ZONE: Central Klaza

SECTION:

HOLE: KL-15-243

CLAIM:

Contractor: Platinum

Drill: 2

Core Size: HQ

Casing Depth: 6.59m, Out

Drilling Dates: Jun 10 - Jun 17, 2015

Geology Logged By: D. Walsh

SURVEY			
Depth (m)	Azimuth	Dip	Method
17.37	33.9	-50.5	Reflex
505.05	49.6	-46.9	Reflex

TARGET:

SUMMARY			
From (m)	To (m)	Interval (m)	Rock Type
0	6.59	6.59	-?-
6.59	6.84	0.25	-?-
6.84	29.84	23	GRD
29.84	105.49	75.65	GRD
105.49	154.88	49.39	GRD
154.88	203.22	48.34	GRD
203.22	209.86	6.64	GRD
209.86	231.25	21.39	GRD
231.25	236.47	5.22	GRD
236.47	259.93	23.46	GRD
259.93	292.4	32.47	GRD
292.4	308.35	15.95	GRD
308.35	331.23	22.88	GRD
331.23	336.89	5.66	GRD
336.89	338.23	1.34	QFP
338.23	372.53	34.3	GRD

SAMPLES	
Numbers:	R498305 to R498454, R499239, R499245 to R499247, R499259 to R499261
Total:	157
Batch:	006, 008, 010, 012, 014, 018, 023
Certificates:	WH15086982, WH15087005, WH15088812, WH15088817, WH15090614, WH15092112, WH15092136, WH15095305, WH15095316, WH15106779

COMMENTS

Logged by Liz Flavelle until 154.79 m, then by Derek Walsh.

372.53	382.79	10.26	QFP
382.79	386.71	3.92	GRD
386.71	413.45	26.74	GRD
413.45	413.82	0.37	GRD
413.82	424.7	10.88	QFP
424.7	424.87	0.17	BXA
424.87	425.43	0.56	GRD
425.43	443.72	18.29	GRD
443.72	449.06	5.34	GRD
449.06	457.46	8.4	GRD
457.46	475.73	18.27	GRD
475.73	477.47	1.74	GRD
477.47	478.54	1.07	QFP
478.54	478.79	0.25	QFP
478.79	479.47	0.68	GRD
479.47	489.24	9.77	GRD
489.24	489.46	0.22	VEN
489.46	490.75	1.29	QFP
490.75	492.73	1.98	GRD
492.73	492.97	0.24	GRD
492.97	494.48	1.51	GRD
494.48	506.61	12.13	GRD

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
6.84	8.00	1.16	GRD	MG	Strongly oxidized, weakly to moderately argillic altered granodiorite hosting trace sphalerite blebs; pervasive orange weathering throughout with goethite staining on fractures and minor hematite.							
						MD	OR	---	ARG	3I	Sp	0.01
						DK	OR		OXI	4I		
8.00	8.24	0.24	GRD	MG	Strongly oxidized, clay-rich zone with gouge present over 4 cm.							
						MD	OR	---	ARG	3I	--	0
									OXI	4I		
8.24	9.55	1.31	GRD	MG	Strongly oxidized, relatively competent, moderately argillic altered granodiorite.							
						MD	OR	PA	ARG	3I	--	0
						MD	WH		OXI	3I		
9.55	10.30	0.75	GRD	MG	Strongly oxidized, clay-rich, argillic altered granodiorite. Most fractures filled with clay and argillic alteration has created a sugary texture. Goethite and hematite within fractures.							
						DK	OR	RB	OXI	4I	--	0
									ARG	4I		
10.30	11.01	0.71	GRD	MG	Strongly oxidized, weakly to moderately argillic altered granodiorite with clay, goethite and hematite present on fractures.							
						DK	OR	RB				
						DK	BK					
11.04	11.75	0.71	GRD	MG	Strongly altered and oxidized granodiorite with hematite, goethite and clay on fractures. Many rubbly/crumbly areas.							
						DK	OR	RB	OXI	5I	--	0
						DK	BK		ARG	2I		
11.75	13.82	2.07	GRD	MG	Strongly oxidized granodiorite with pervasive goethite throughout core originating from fractures. Weak to moderate argillic alteration? Vuggy vein zone with 2cm wide galena veinlet that has been completed replaced by/weathered to anglesite with trace py/aspy occurs in the middle of this interval.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						DK	OR	VU	OXI	5I	Ak	0.1
						DK	BK		ARG	1I		
13.82	15.06	1.24	GRD	MG	Strongly oxidized, weakly to moderately argillic altered granodiorite with minor goethite on some fractures.							
						MD	OR		OXI	4I	--	0
									ARG	3I		
15.06	16.16	1.10	GRD	MG	Moderately oxidized granodiorite with minor goethite stained fractures/vugs.							
						DK	OR	VU	OXI	3I	--	0
16.16	17.08	0.92	GRD	MG	Strongly oxidized and argillic altered granodiorite with goethite and hematite on fractures .							
						DK	OR	---	OXI	4I	--	0
									ARG	3I		
17.08	17.33	0.25	GRD	MG	Weakly oxidized granodiorite; limited to clay-rich fractures. Trace propylitic alteration.							
						MD	GY		OXI	2I	--	0
						MD	OR		PRO	1I		
17.33	18.83	1.50	GRD	MG	Moderately oxidized, potassic and argillic altered granodiorite with goethite on fractures and trace strongly altered stringers with minor residual sulphides.							
						MD	OR	PA	OXI	3I		
						MD	WH		ARG	2I		
						LT	PK		POT	2I		
18.83	19.13	0.30	GRD	MG	Moderately oxidized, argillic altered gouge zone with minor more competent core.							
						MD	OR		OXI	3I		
									ARG	3I		
19.13	20.97	1.84	GRD	MG	Strongly oxidized, argillic and weakly potassic altered granodiorite with 9cm wide, nearly completely replaced quartz vein filled with orange and black oxide. Minor residual galena blebs in the vein.							
						DK	OR		OXI	4I	Gn	0.01
									ARG	2I		
									POT	1I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
20.97	22.83	1.86	GRD	MG	Weakly to moderately oxidized granodiorite with weak argillic/potassic alteration. Goethite on some fractures.							
						MD	GY		OXI	3I		
						MD	OR		ARG	1I		
									POT	1I		
22.83	24.28	1.45	GRD	MG	Weakly to moderatly oxidized, argillic altered granodiorite with goethite/black oxide filled stringers.							
						MD	OR		OXI	3I		
									ARG	3I		
24.28	26.96	2.68	GRD	MG	Moderately to strongly oxidized, relatively unaltered granodiorite with goethite on fracture surfaces.							
						MD	OR		OXI	2I		
26.96	29.00	2.04	GRD	MG	Phyllic altered granodiorite overprinted by orange oxidation; goethite on fracture surfaces.							
						MD	OR	PA	OXI	3I		
						LT	GN		PHC	2I		
29.00	29.84	0.84	GRD	MG	Rubbly and broken, moderately oxidized, alternating unaltered and weakly potassic altered granodiorite.							
						MD	GY	RB	ARG	2I		
						MD	OR					
29.84	30.66	0.82	GRD	MG	Weakly oxidized, unaltered granodiorite.							
						MD	GY		OXI	2I		
30.66	31.00	0.34	GRD	MG	Moderately oxidized and argillic altered, rubbly granodiorite.							
						MD	OR	RB				
31.00	38.23	7.23	GRD	MG	Weakly oxidized , mostly unaltered granodiorite with rare patches of phyllic alteration and trace quartz stringers hosting pyrite.							
						MD	GY	PA	OXI	1I	Py	0.01
									PHC	1I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
38.23	41.21	2.98	GRD	MG	Weakly to moderately oxidized, unaltered granodiorite.							
						MD	GY	PA	OXI	2I		
						MD	OR					
41.21	48.91	7.70	GRD	MG	Patchy, unaltered and weakly phyllic altered granodiorite with weak to moderate oxidation, mostly limited to fracture surfaces. Trace disseminated to blebby pyrite.							
						MD	GY	PA	OXI	1I	Py	0.01
									PHC	1I		
48.91	49.34	0.43	GRD	MG	Strongly oxidized, phyllic altered envelope containing a 0.5 cm wide quartz vein hosting blebby pyrite and galena (@ 49.26m).							
						LT	GN		OXI	4I	Gn	0.1
						DK	OR		PHC	3I	Py	0.1
49.34	53.64	4.30	GRD	MG	Patchy unaltered granodiorite and weakly phyllic altered envelopes with oxidation limited to fracture surfaces. Some barren quartz-carb stringers/veinlets.							
						MD	GY	PA	OXI	1I		
									PHC	1I		
53.64	54.19	0.55	GRD	MG	Phyllic altered envelope with multiple quartz-carbonate stringers/veinlets hosting blebby pyrite and galena. Oxidation limited to fractures.							
						MD	OR		OXI	1I	Gn	0.1
						LT	GN	EN	PHC	4I	Py	0.1
54.19	55.44	1.25	GRD	MG	Unaltered granodiorite with oxidation limited to fractures.							
						MD	GY					
55.44	55.72	0.28	GRD	MG	Phyllic altered envelope with few quartz stringers/veinlets hosting trace disseminated pyrite.							
						LT	GN	EN	PHC	3I	Py	0.01
55.72	85.97	30.25	GRD	MG	90% unaltered granodiorite with envlopes of phyllic alteration reaching 30 cm in width. Phyllic altered sections contain quartz-carbonate veinlets and stringers hosting pyrite +/- galena +/- sphalerite.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GY	PA	PHC	2I	Py	0.01
						LT	GN	EN			Gn	0.01
											Sp	0.01
85.97	86.59	0.62	GRD	MG	Phyllic and argillic altered envelope containing one, 2 cm wide quartz-carbonate veinlet hosting trace pyrite; some potassic overprinting.							
						LT	GN	EN	ARG	2I	Py	0.01
						LT	PK		PHC	2I		
						LT	WH		POT	1I		
86.59	105.49	18.90	GRD	MG	Unaltered and weakly propylitic altered granodiorite makes up the majority of the interval with small envelopes (<10cm wide) of phyllic alteration hosting small quartz-carbonate veinlets (+/- pyrite).							
						MD	GY	EN	PRO	1I	Py	0.01
								PA	PHC	1I		
105.49	121.08	15.59	GRD	MG	Mostly phyllic altered granodiorite with patches of argillic and potassic alteration. Phyllic envelopes contain quartz-carbonate veinlets up to 5 cm wide which host pyrite, arsenopyrite, galena +/- sphalerite variably.							
						LT	GN	PA	PHC	4I		
						LT	PK	EN	ARG	1I		
						LT	WH		POT	1I		
121.08	125.75	4.67	GRD	MG	Phyllic and argillic altered, very clay-rich granodiorite (sometimes gougy) with minor re-drill present from 122-122.5 m.							
						LT	WH	RB	ARG	4I		
						LT	GN		PHC	2I		
125.75	126.64	0.89	MX	MG	Strongly phyllic altered vein zone with quartz-carbonate veining and strong silicification throughout. Veins host blebby pyrite, sphalerite +/- arsenopyrite and galena. Some clay-rich/gougy sections up to 2 cm wide.							
						MD	GN	EN	PHC	5I	Py	5
								VU			Sp	1
126.64	130.52	3.88	GRD	MG	Phyllic altered granodiorite with clay in fractures.							
						LT	GN		PHC	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
									ARG	2I		
130.52	135.61	5.09	GRD	MG	Weakly propylitic and phyllic altered granodiorite with minor quartz-carbonate stringers hosting pyrite.							
						MD	GY	PA	PRO	1I	Py	0.01
						MD	GN		PHC	1I		
135.61	137.53	1.92	GRD	MG	Dominantly argillic altered granodiorite with minor potassic overprinting.							
						LT	PK		POT	2I		
						LT	WH		ARG	3I		
137.53	138.44	0.91	GRD	MG	Phyllic altered granodiorite with minor propylitic alteration.							
						MD	GN		PHC	2I		
									PRO	1I		
138.44	139.47	1.03	GRD	MG	Dominantly argillic altered granodiorite with some potassic overprinting.							
						LT	WH		ARG	3I		
						LT	PK		POT	2I		
139.47	144.82	5.35	GRD	MG	Patchy, phyllic altered envelopes containing quartz-carbonate veinlets up to 1 cm wide hosting pyrite, sphalerite and galena; alternating with minor argillic/potassic altered sections.							
						LT	GN	PA	PHC	3I	Py	0.01
						LT	PK		ARG	2I	Gn	0.01
						LT	WH		POT	1I	Sp	0.01
144.82	146.76	1.94	GRD	MG	Dominantly propylitic altered granodiorite with minor phyllic and argillic alteration.							
						DK	GN		PRO	3I		
146.76	154.79	8.03	GRD	MG	Phyllic altered envelope containing multiple quartz-carbonate veinlets up to 3 cm wide hosting pyrite, arsenopyrite, galena and sphalerite. Vuggy quartz-carbonate veinlets also crosscut and brecciate the phyllic altered granodiorite readily over a 1 m section near the top of the interval (@148.50 m).							
						LT	GN	VU	PHC	5I	Py	0.1
						LT	WH	BX			As	0.1
											Gn	0.1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
											Sp	0.1
154.79	154.88	0.09	GRD	MG	Weakly phyllic altered granodiorite to unaltered granodiorite.							
						MD	GY		PHC	1I		
						MD	GN					
154.88	156.57	1.69	GRD	MG	Trace to weakly propyllitic and potassic altered granodiorite.							
						MD	PK		POT	2I		
						MD	GY		POT	1I		
						DK	GN		PRO	1I		
									PRO	2I		
156.57	157.06	0.49	GRD	MG	Moderate phyllic and trace propyllitic envelope surrounding a polymetallic quartz sulphide vein.							
						MD	GN	EN	PHC	3I		
						LT	GN		PRO	1I		
						DK	GN					
157.06	157.58	0.52	GRD	MG	Trace to weakly propyllitic and potassic altered granodiorite.							
						MD	GY		POT	1I		
						MD	PK		POT	2I		
						DK	GN		PRO	1I		
									PRO	2I		
157.58	158.87	1.29	GRD	MG	Moderately argillic and weakly potassic altered granodiorite with patchy propyllitic and with small phyllic envelopes surrounding quartz/carbonate veinlets.							
						MD	GN		PHC	3I		
						LT	WH	EN	POT	2I		
						DK	GN		PRO	3I		
									ARG	3I		
158.87	161.25	2.38	GRD	MG	Trace to weakly propyllitic and potassic altered granodiorite.							
						MD	GY		POT	1I		
						MD	PK		POT	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						DK	GN		PRO	1I		
									PRO	2I		
161.25	162.30	1.05	GRD	MG	Moderate phyllic envelope surrounding a polymetallic quartz/carbonate/sulphide vein. Phyllic alteration transitions to propyllitic/potassic overprinted argillic alteration distally from phyllic envelope.							
						LT	GN	EN	ARG	3I		
						LT	GN		PRO	3I		
						LT	WH		PHC	3I		
						DK	GN		POT	2I		
162.30	172.78	10.48	GRD	MG	Trace to weakly propyllitic and potassic altered granodiorite.							
						MD	PK		POT	2I		
						MD	GY		POT	1I		
						DK	GN		PRO	1I		
									PRO	2I		
173.49	174.60	1.11	GRD	MG	Trace to weakly propyllitic and potassic altered granodiorite.							
						MD	GY		POT	1I		
						MD	PK		POT	2I		
						DK	GN		PRO	1I		
									PRO	2I		
174.60	177.10	2.50	GRD	MG	Moderately propyllitic/potassic altered granodiorite with phyllic envelopes around carbonate +/- quartz veinlets.							
						MD	GN		PRO	3I		
						MD	PK					
						LT	GN		POT	3I		
						DK	GN		PHC	3I		
177.10	179.94	2.84	GRD	MG	Trace to weakly propyllitic and potassic altered granodiorite.							
						MD	PK		POT	2I		
						MD	GY		POT	1I		
						DK	GN		PRO	1I		
									PRO	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
179.94	181.92	1.98	GRD	MG	Moderate phyllic envelope around a quartz/carbonate/sulphide vein and multiple carbonate veinlets. Phyllic alteration transitions to potassic overprinted argillic alteration distally from veining.							
						MD	GN		ARG	3I		
						MD	PK					
						LT	GN	EN	PHC	3I		
						LT	WH		POT	2I		
181.92	186.75	4.83	GRD	MG	Trace to weakly propyllitic and potassic altered granodiorite.							
						MD	GY		POT	1I		
						MD	PK		POT	2I		
						DK	GN		PRO	1I		
									PRO	2I		
186.75	189.97	3.22	GRD	MG	Primarily overlapping phyllic envelopes around multiple quartz/carbonate +/- sulphide veins. Phyllic alteration transitions to potassic overprinted argillic alteration distally from veining.							
						MD	PK					
						MD	GN		ARG	3I		
						LT	GN	EN	PHC	3I		
						LT	WH		POT	2I		
192.66	195.59	2.93	GRD	MG	Primarily overlapping phyllic envelopes around multiple quartz/carbonate +/- sulphide veins. Phyllic alteration transitions to potassic overprinted argillic alteration distally from veining.							
						MD	PK					
						MD	GN		ARG	3I		
						LT	GN	EN	PHC	3I		
						LT	WH		POT	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
203.22	206.34	3.12	GRD	MG	Silicified moderately phyllic altered granodiorite with patches of moderate propyllitic alteration and potassic overprinting argillic alteration. Phyllic alteration occurs as envelopes around veins.							
						MD	GN		PHC	3I		
						MD	PK		POT	2I		
						LT	GN		SIL	3I		
						LT	WH		PRO	3I		
									ARG	3I		
206.34	207.87	1.53	GRD	MG	Silicified phyllic envelope surrounding a vein zone consisting of four quartz/carbonate/sulphide veins and a breccia.							
						MD	GN		SIL	3I		
						LT	GN	EN	PHC	3I		
207.87	209.86	1.99	GRD	MG	Silicified moderately phyllic altered granodiorite with patches of moderate propyllitic alteration and potassic overprinting argillic alteration. Phyllic alteration occurs as envelopes around veins.							
						MD	GN		PHC	3I		
						MD	PK		POT	2I		
						LT	WH		PRO	3I		
						LT	GN		SIL	3I		
									ARG	3I		
209.86	213.65	3.79	GRD	MG	Trace to weakly propyllitic and potassic altered granodiorite.							
						MD	GY		POT	1I		
						MD	PK		POT	2I		
						DK	GN		PRO	1I		
									PRO	2I		
213.65	215.06	1.41	GRD	MG	Multiple overlapping phyllic envelopes around quartz/carbonate veining. Phyllic alteration transitions into small patches of potassic overprinted argillic alteration distally form veining.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GN		POT	2I		
						MD	PK					
						LT	GN	EN	PHC	3I		
						LT	WH		ARG	2I		
215.06	215.84	0.78	GRD	MG	Trace to weakly propyllitic and potassic altered granodiorite.							
						MD	GY		POT	1I		
						MD	PK		POT	2I		
						DK	GN		PRO	1I		
									PRO	2I		
215.84	216.23	0.39	GRD	MG	Moderate phyllic alteration envelope around a quartz carbonate vein and three veinlets.							
						LT	GN	EN	PHC	3I		
216.23	228.84	12.61	GRD	MG	Trace to weakly propyllitic and potassic altered granodiorite.							
						MD	GY		POT	1I		
						MD	PK		POT	2I		
						DK	GN		PRO	1I		
									PRO	2I		
228.84	230.83	1.99	GRD	MG	Moderate phyllic alteration envelope around a quartz carbonate vein and three veinlets hosting disseminated pyrite.							
						LT	GN	EN	PHC	3I		
230.83	231.25	0.42	GRD	MG	Trace to weakly propyllitic and potassic altered granodiorite.							
						MD	GY		POT	1I		
						MD	PK		POT	2I		
						DK	GN		PRO	1I		
									PRO	2I		
231.25	236.47	5.22	GRD	MG	Moderate phyllic altered granodiorite with patchy weak propyllitic alteration through the interval. Hosts multiple quartz/sulphide +/- carbonate veins and carbonate veinlets and stringers							
						MD	GN		PRO	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	GN	PA	PHC	3I		
						DK	GN					
236.47	259.93	23.46	GRD	MG	Trace to weakly propyllitic and potassic altered granodiorite. Host multiple carbonate veinlets and stringers. Abundance varies between 2-12 per meter. The occasional quartz/pyrite vein have a <15cm phyllic halo surrounding it.							
						MD	GY		POT	1I		
						MD	PK		PRO	1I		
						DK	GN		POT	2I		
									PRO	2I		
259.93	264.65	4.72	GRD	MG	Alternating patches of weakly to moderate propyllitic/potassic alteration, and potassic/propyllitic overprinted argillic alteration.							
						MD	GN	PA	PRO	2I		
						MD	PK		POT	3I		
						LT	WH		POT	2I		
						DK	GN		PRO	3I		
									ARG	3I		
264.65	267.82	3.17	GRD	MG	Weak to moderate phyllic altered granodiorite with patchy trace argillic alteration.							
						LT	GN		PHC	2I		
						LT	WH		PHC	2I		
									ARG	1I		
267.82	272.60	4.78	GRD	MG	Alternating patches of weakly to moderate propyllitic/potassic alteration, and weak potassic/propyllitic overprinted weak argillic alteration.							
						MD	PK		POT	2I		
						LT	GN		PRO	2I		
						LT	WH		POT	2I		
						DK	GN		PRO	3I		
272.60	275.69	3.09	GRD	MG	Partially to strongly gouge altered moderate potassic/propyllitic altered granodiorite. Strongly gouge altered sections are broken up and rubbly.							
						MD	GY	RB				

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	PK					
						DK	GN					
275.69	280.16	4.47	GRD	MG	Weak to moderately potassic/propyllitic altered granodiorite with patches of weak phyllic alteration.							
						MD	PK					
						LT	GN					
						DK	GN	PA				
280.16	280.91	0.75	GRD	MG	Moderate to strongly phyllic altered granodiorite. Strong phyllic alteration hosts multiple quartz/pyrite +/- carbonate and disseminated pyrite.							
						MD	GN					
						LT	GN		PHC	3I	Py	1
280.91	283.44	2.53	GRD	MG	Weak to moderately potassic/propyllitic altered granodiorite transitioning to weakly potassic/propyllitic overprinted argillic alteration.							
						MD	GN		ARG	3I		
									PRO	2I		
									PRO	3I		
									POT	2I		
									POT	3I		
283.44	284.57	1.13	GRD	MG	Moderately phyllic altered granodiorite. Host multiple quartz carbonate veins.							
						MD	GN	EN	PHC	3I		
284.57	291.27	6.70	GRD	MG	Alternating patches of moderate phyllic alteration, weakly to moderate propyllitic/potassic alteration, and potassic/propyllitic overprinted argillic alteration.							
						MD	GN		ARG	3I		
						MD	PK		PRO	2I		
						LT	GN	PA	PHC	3I		
						LT	WH		POT	3I		
						DK	GN		PRO	3I		
									POT	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
291.27	292.40	1.13	GRD	MG	Moderate phyllic and weak propyllitic alteration envelope around multiple quartz/carbonate veins.							
						MD	GN		PRO	2I		
						LT	GN	EN	PHC	3I		
						DK	GN					
292.40	301.20	8.80	GRD	MG	Weak to moderately potassic and propyllitic overprinted argillic alteration with patchy moderate potassic/propyllitic altered granodiorite.							
						MD	PK		POT	3I		
						LT	WH		PRO	3I		
						DK	GN		ARG	3I		
									POT	2I		
									PRO	2I		
301.20	303.66	2.46	GRD	MG	Moderate phyllic altered granodiorite with patchy weak argillic and propyllitic alteration.							
						MD	GN		PHC	3I		
						LT	WH					
						LT	GN		ARG	2I		
						DK	GN		PRO	2I		
303.66	308.35	4.69	GRD	MG	Weak to moderately potassic and propyllitic overprinted argillic alteration with patchy moderate potassic/propyllitic altered granodiorite.							
						MD	PK		POT	3I		
						LT	WH		PRO	3I		
						DK	GN		ARG	3I		
									POT	2I		
									PRO	2I		
308.35	313.24	4.89	GRD	MG	Silicified trace to weakly potassic/propyllitic altered granodiorite with patches of moderate propyllitic alteration.							
						MD	GY	PA	SIL	3I		
						MD	PK		PRO	3I		
						DK	GN		PRO	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
									POT	2I		
313.24	316.52	3.28	GRD	MG	Moderately phyllic altered granodiorite with patchy weak to moderate propyllitic alteration. Hosts multiple quartz/carbonate +/- sulphide veins.							
						MD	GN		PRO	2I		
						LT	GN		PHC	3I		
						DK	GN					
316.52	323.01	6.49	GRD	MG	Silicified trace to weakly potassic/propyllitic altered granodiorite with patches of moderate propyllitic alteration and potassic over printed argillic alteration.							
						MD	GY		PRO	3I		
						MD	PK		SIL	3I		
						LT	WH		POT	2I		
						DK	GN		PRO	2I		
									ARG	3I		
323.01	328.50	5.49	GRD	MG	Moderately phyllic altered granodiorite with patchy weak to moderate propyllitic alteration. Hosts multiple quartz/carbonate +/- sulphide veins. Phyllic alteration transitioning to weak potassic/propyllitic overprinted weak to moderate argillic alteration distally from veining.							
						MD	GN		PRO	3I		
						MD	PK		PRO	2I		
						LT	GN		PHC	3I		
						LT	WH		ARG	3I		
						DK	GN		ARG	2I		
328.50	331.23	2.73	GRD	MG	Weak to moderately potassic/propyllitic overprinted moderate argillic alteration. Small phyllic envelopes around quartz veining.							
						MD	PK		POT	2I		
						LT	WH		ARG	3I		
						DK	GN		POT	3I		
									PRO	2I		
									PHC	3I		
									PRO	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
331.23	336.89	5.66	GRD	MG	Moderate phyllic altered granodiorite with patch weak propyllitic alteration. Hosts multiple quartz/carbotante +/- sulphide veins.							
						MD	GN		PRO	2I		
						LT	GN		PHC	3I		
						DK	GN					
336.89	337.45	0.56	QFP	FG	First half of the quartz feldspar porphyry dyke is grey green and intensely mineralized hosting polymetallic grey quartz/sulphide and tan ankerite veining.							
						MD	GY	PO	SIL	5I	Py	3
						MD	GN					
						LT	GY					
337.45	338.23	0.78	QFP	FG	The second half of the dyke transitions to dark grey in color and is mineralized.							
						DK	GY	PO				
338.23	351.07	12.84	GRD	MG	Trace to weakly potassic/propyllitic altered granodiorite.							
						MD	GY		PRO	2I		
						MD	PK		POT	1I		
						DK	GN		PRO	1I		
									POT	2I		
351.07	352.97	1.90	GRD	MG	Weak to moderate potassic/propyllitic altered granodiorite transitioning to weak phyllic alteration around a black breccia.							
						MD	GN		POT	2I		
						MD	PK		PRO	2I		
						LT	GN		PRO	3I		
									POT	3I		
									PHC	2I		
352.97	357.26	4.29	GRD	MG	Trace to weakly potassic/propyllitic altered granodiorite.							
						MD	GY		PRO	2I		
						MD	PK		POT	1I		
						DK	GN		PRO	1I		
									POT	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
357.26	360.55	3.29	GRD	MG	Potassic overprinted argillic alteration transitions to moderate phyllic alteration around black breccia veining.							
						MD	PK		POT	2I		
						LT	WH		ARG	3I		
						LT	GN		PHC	3I		
360.55	372.53	11.98	GRD	MG	Trace to weakly potassic/propyllitic altered granodiorite.							
						MD	GY		PRO	2I		
						MD	PK		POT	1I		
						DK	GN		PRO	1I		
									POT	2I		
372.53	382.79	10.26	QFP	MG	Grey/green quartz feldspar porphyry dyke hosting sporadic white carbonate veinlets.							
						MD	GY					
						MD	GN					
						LT	GY	PO				
382.79	386.71	3.92	GRD	MG	Silicified moderate phyllic altered granodiorite with patches move weak to moderate propyllitic alteration. Hosts multiple quartz/carbonate/sulphide veins that occurs in higher abundances with proximity to dyke contact.							
						MD	GN		PHC	3I		
						LT	GN		SIL	3I		
						DK	GN		PRO	3I		
									PRO	2I		
386.71	413.45	26.74	GRD	MG	Trace to weakly potassic/propyllitic altered granodiorite.							
						MD	PK		POT	2I		
						MD	GY		PRO	1I		
						LT	GY		PRO	2I		
						DK	GN		POT	1I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
413.45	413.82	0.37	GRD	MG	Upper alteration of dyke contact is moderate argillic altered granodiorite with weak potassic overprinting. Transitions to weak phyllic / potassic overprinted moderate argillic alteration with proximity to dyke contact.							
						MD	PK		ARG	3I		
						LT	GN		PHC	2I		
						LT	WH		POT	2I		
413.82	414.55	0.73	QFP	FG	Medium gray/green quartz feldspar porphyry dyke with a light green halo (2cm) transitioning to a light red halo (2cm) surrounding a carbonate stringer.							
						MD	GY					
						MD	GN					
						LT	GN	---				
						LT	RD					
424.70	424.87	0.17	BXA	CG	Silicified quartz breccia at the dyke contact. Contains clasts of phyllic altered granodiorite, dyke and quartz/sulphide vein. Quartz vein clasts hosts disseminated to blebby pyrite and sphalerite and disseminated galena.							
						MD	GY	BX	SIL	4I	Py	3
						MD	GN		PHC	3I	Sp	2
											Gn	1
424.87	425.43	0.56	GRD	MG	Weakly phyllic altered granodiorite transitioning to weakly propyllitic/potassic overprinted argillic alteration distally from breccia.							
						MD	PK		POT	2I		
						LT	WH		ARG	3I		
						LT	GN		PHC	2I		
						DK	GN		PRO	2I		
425.43	432.37	6.94	GRD	MG	Trace to weakly propyllitic/potassic altered granodiorite. ~ 1-3 white carbonate stringers/veinlets per meter.							
						MD	GY		PRO	1I		
						MD	PK		POT	1I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						DK	GN		PRO	2I		
									POT	2I		
432.37	433.13	0.76	GRD	MG	Silicified moderate phyllic envelope surrounding multiple quartz/sulphide veins.							
						MD	GY	EN	SIL	3I		
						MD	GN		PHC	3I		
433.13	434.31	1.18	GRD	MG	Weakly potassic/propyllitic overprinted weak to moderate argillic alteration.							
						MD	PK					
						LT	WH					
						DK	GN					
434.31	443.72	9.41	GRD	MG	Trace to weakly propyllitic/potassic altered granodiorite. ~ 1-3 white carbonate stringers/veinlets per meter.							
						MD	GY		PRO	1I		
						MD	PK		POT	1I		
						DK	GN		PRO	2I		
									POT	2I		
443.72	449.06	5.34	GRD	MG	Weakly potassic/propyllitic overprinted argillic alteration with patchy moderate argillic alteration.							
						MD	PK		PRO	2I		
						LT	WH		POT	2I		
						DK	GN		ARG	3I		
									PRO	3I		
449.06	457.46	8.40	GRD	MG	Silicified moderate phyllic alteration with patchy weak propyllitic alteration. Hosts and abundance of quartz/sulphide veins and veinlets.							
						MD	GN		PHC	3I		
						LT	GN		PRO	2I		
						DK	GN		SIL	3I		
457.46	458.73	1.27	GRD	MG	Weakly propyllitic/potassic altered granodiorite.							
						MD	PK					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GY		PRO	2I		
						DK	GN		POT	2I		
458.73	459.55	0.82	GRD	MG	Silicified moderate phyllic envelope surrounding a quartz/carbonate vein.							
						MD	GN	EN	PHC	3I		
									SIL	3I		
459.55	463.70	4.15	GRD	MG	Weakly propyllitic/potassic altered granodiorite.							
						MD	GY		PRO	2I		
						MD	PK					
						DK	GN		POT	2I		
463.70	465.80	2.10	GRD	MG	Moderate phyllic alteration around a quartz/carbonate veining, transitioning to weakly to moderate potassic propyllitic alteration distally from veining.							
						MD	GN					
						MD	PK					
						LT	GN					
						DK	GN					
465.80	470.61	4.81	GRD	MG	Weakly propyllitic/potassic altered granodiorite.							
						MD	PK					
						MD	GY		POT	2I		
						DK	GN		PRO	2I		
470.61	470.90	0.29	GRD	MG	Light green moderately phyllic envelope surrounding a quartz/carbonate/pyrite vein							
						MD	GN					
						LT	GN		PHC	3I		
470.90	471.59	0.69	GRD	MG	Weakly propyllitic/potassic altered granodiorite.							
						MD	GN		PRO	2I		
						MD	PK		POT	1I		
						LT	GN		POT	2I		
						LT	PK		PRO	1I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
471.59	472.55	0.96	GRD	MG	Moderate propyllitic/potassic altered granodiorite transitioning to weakly potassic argillic overprinted granodiorite with small phyllic/propyllitic halos occuring around quartz/carbonate/pyrite veining.							
						MD	GN		POT	2I		
						LT	GN	PA	PRO	3I		
						LT	PK		ARG	2I		
						LT	WH					
472.55	473.38	0.83	GRD	MG	Trace to weak propylitic/potassic altered granodiorite containing light green phyllic halos surrounding quartz/pyrite veinlets.							
						MD	WH		PHC	1I		
						MD	GN		POT	1I		
						LT	GY		POT	2I		
						LT	GN		PRO	1I		
						LT	PK		PRO	2I		
473.38	474.52	1.14	GRD	MG	Moderate argillic altered granodiorite with envelopes of phyllic and propyllitic halos overprinting pre-existing argillic alteration surrounding quartz/carbonate/+-pyrite veins.							
						MD	GN		PHC	2I		
						LT	GN		PRO	2I		
						LT	WH		POT	2I		
						LT	PK		ARG	3I		
474.52	475.73	1.21	GRD	MG	medium green moderately propyllitic/weak potassic altered granodiorite containing multiple carbonate stringers throughout.							
						MD	GN		PRO	3I		
						MD	WH					
						LT	GN		POT	2I		
						LT	PK					
475.73	477.47	1.74	GRD	MG	Moderate Phyllic altered granodiorite alternating with patches of weak argillic and potassic alterations. Quartz/carbonate veins and stringers present throughout.							
						MD	GN		PHC	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	PK		PRO	2I		
						LT	WH					
						LT	GN		ARG	2I		
477.47	478.54	1.07	QFP	FG	Light green/grey quartz feldspar porphyry dyke containing a few carbonate stringers.							
						LT	GY					
						LT	GN					
478.54	478.79	0.25	QFP	FG	Quartz flooded contact zone which brecciates both the dyke contact area and the phyllic altered granodiorite. Clay stringers as well as vuggs present throughout the artea.							
						LT	GY	VU	PHC	1I		
						LT	TN	BX	PHC	2I		
						LT	GN					
478.79	479.47	0.68	GRD	MG	Moderately phyllic altered granodiorite with patchy areas of weak argillic alteration. Many dark quartz/pyrite stringers present that cross-cut quartz/carbonate stringers.							
						MD	GN		ARG	2I		
						MD	GY					
						LT	GN		PHC	3I		
						LT	WH					
						LT	TN					
						DK	GY					
479.47	489.24	9.77	GRD	MG	Alternating patches of weakly potassic/phyllic overprinted weak to moderately argillic altered granodioirte and weak to moderate propyllitic/potassic alteration. Weak to moderate phyllic envelopes occur around quartz/carbonate veining. Multiple quartz/carbonate stringers.							
						MD	GN		PRO	2I		
						LT	GN	PA	PHC	3I		
						LT	PK		PRO	3I		
						LT	WH		POT	2I		
									ARG	3I		
									PHC	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
489.24	489.46	0.22	VEN	--	Central Klaza vein is a polymetallic quartz/carbonate vein hosting disseminated to blebby pyrite, sphalerite and galena. Pyrite and galena occur interstitially in larger sphalerite blebs. First 1/3 of the vein is creamy white carbonate holding sulphides, the middle third is hold a high abundance of sulphides in quartz, the lower third silica flooded phyllic granodiorite hosting sulphides. Sphalerite is 90% blackjack and 10% honey brown.							
											Py	15
											Gn	3
											Sp	10
489.46	490.75	1.29	QFP	FG	Light grey quartz feldspar porphyry dyke. With sporadic white carbonate stringers.							
						LT	GY	PO				
490.75	492.73	1.98	GRD	MG	Alternating patches of weak to moderate potassic/propyllitic alteration and phyllic overprinted potassic/argillic alteration.							
						MD	GY	PA	POT	2I		
						MD	PK		PRO	2I		
						LT	GN		POT	1I		
						LT	WH		PRO	1I		
						DK	GN		ARG	3I		
									PHC	2I		
									ARG	2I		
492.73	492.97	0.24	GRD	MG	Second portion of the Central Klaza vein zone consists of two veins. The first is a 11cm is a grey quartz vein hosting disseminated to blebby pyrite, sphalerite and galena. The lower selvedge is 1cm of banded smoky quartz and tan ankerite. The 8cm of granodiorite separating the two veins is silicified strongly phyllic altered granodiorite hosting disseminated pyrite. The last vein is 7cm of grey quartz vein hosting disseminated to blebby pyrite, sphalerite and galena.							
									PHC	4I	Py	8
									SIL	4I	Sp	8
											Gn	3
492.97	494.48	1.51	GRD	MG	Alternating patches of phyllic/potassic overprinted argillic alteration and weak potassic/propyllitic alteration.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	PK		POT	2I		
						LT	GN	PA	PRO	2I		
						DK	GN		PHC	2I		
									ARG	3I		
494.48	506.61	12.13	GRD	MG	Trace to weakly potassic/propyllitic altered granodiorite with occasional white carbonate stringers.							
						MD	GY		PRO	1I		
						MD	PK		POT	1I		
						DK	GN		PRO	2I		
									POT	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
105.49	154.88	49.39	GRD	MG	Alternating patches of phyllic, propyllitic and argillic alteration zones. Occasional areas of strong phyllic alteration hosting quartz/carbonate/sulphide veining. Multiple rubbly patches and clay gouge throughout the interval.							
						DK	GN	RB	SIL	3I		
						MD	GN		PHC	3I		
						LT	WH		PHC	2I		
						MD	GY		PRO	2I		
									PRO	3I		
						LT	GN	PA	ARG	3I		
154.88	203.22	48.34	GRD	MG	Trace to weakly propyllitic and potassic altered granodiorite. Contains multiple medium to large phyllic envelopes surrounding quartz +/- carbonate +/- sulphide veins.							
						LT	GN		PRO	1I		
						MD	GY		POT	1I		
						DK	GN		POT	2I		
						MD	PK		PRO	2I		
203.22	209.86	6.64	GRD	MG	Primarily silicified moderately phyllic altered granodiorite with patches of moderate propyllitic alteration and potassic overprinting argillic alteration. Phyllic alteration occurs as envelopes around veins. The Large phyllic envelope in the lower 1/3 of the interval host a polymetallic vein zone consisting of 5 veins.							
						LT	WH		POT	2I		
						LT	GN		PHC	3I		
						MD	GN		SIL	3I		
						DK	GN		PRO	3I		
						MD	PK		ARG	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
209.86	231.25	21.39	GRD	MG	Trace to weakly propyllitic and potassic altered granodiorite. Contains multiple medium to large phyllic envelopes surrounding quartz +/- carbonate +/- sulphide veins.							
						DK	GN		POT	2I		
						LT	GN		PRO	1I		
						MD	PK		PRO	2I		
						MD	GY		POT	1I		
231.25	236.47	5.22	GRD	MG	Moderate phyllic altered granodiorite with patchy weak propyllitic alteration through the interval. Hosts multiple quartz/sulphide +/- carbonate veins and carbonate veinlets and stringers							
						LT	GN	PA	PHC	3I		
						MD	GN		PRO	2I		
						DK	GN					
236.47	259.93	23.46	GRD	MG	Trace to weakly propyllitic and potassic altered granodiorite. Host multiple carbonate veinlets and stringers. Abundance varies between 2-12 per meter. The occasional quartz/pyrite vein have a <15cm phyllic halo surrounding it.							
						DK	GN		POT	2I		
						MD	PK		PRO	1I		
						MD	GY		POT	1I		
									PRO	2I		
259.93	292.40	32.47	GRD	MG	Alternating patches of moderate phyllic alteration, weakly to moderate propyllitic/potassic alteration, and potassic/propyllitic overprinted argillic alteration.							
						MD	GN	PA	PHC	3I		
						LT	GN		PRO	2I		
						DK	GN		PRO	3I		
						LT	WH		POT	2I		
						MD	PK		POT	3I		
						MD	GN		ARG	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
292.40	308.35	15.95	GRD	MG	Weak to moderately potassic and propyllitic overprinted argillic alteration with patchy moderate potassic/propyllitic altered granodiorite.							
									POT	2I		
									PRO	2I		
						DK	GN		ARG	3I		
						LT	WH		PRO	3I		
						MD	PK		POT	3I		
308.35	331.23	22.88	GRD	MG	Silicified trace to weakly potassic/propyllitic altered granodiorite with patches of moderate propyllitic alteration and potassic over printed argillic alteration. Phyllic envelopes surrounding quartz/carbonate/sulphide veining.							
						LT	WH		POT	2I		
						MD	GY	PA	SIL	3I		
									ARG	3I		
						MD	PK		PRO	3I		
						DK	GN		PRO	2I		
331.23	336.89	5.66	GRD	MG	Moderate phyllic altered granodiorite with patch weak propyllitic alteration. Hosts multiple quartz/carbotante +/- sulphide veins.							
						LT	GN		PHC	3I		
						DK	GN					
						MD	GN		PRO	2I		
336.89	338.23	1.34	QFP	FG	First half of the quartz feldspar porphyry dyke is grey green and intensely mineralized hosting polymetallic grey quartz/sulphide and tan ankerite veining. The second half of the dyke transitions to dark grey in color and is mineralized.							
						MD	GY	PO	SIL	5I	Py	3
						MD	GN					
						DK	GY					
						LT	GY					
338.23	372.53	34.30	GRD	MG	Trace to weakly potassic/propyllitic altered granodiorite.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						DK	GN		PRO	1I		
						MD	PK		POT	1I		
									POT	2I		
						MD	GY		PRO	2I		
372.53	382.79	10.26	QFP	MG	Grey/green quartz feldspar porphyry dyke hosting sporadic white carbonate veinlets.							
						MD	GN					
						LT	GY	PO				
						MD	GY					
382.79	386.71	3.92	GRD	MG	Silicified moderate phyllic altered granodiorite with patches move weak to moderate propyllitic alteration. Hosts multiple quartz/carbonate/sulphide veins that occurs in higher abundances with proximity to dyke contact.							
						LT	GN		SIL	3I		
						MD	GN		PHC	3I		
						DK	GN		PRO	3I		
									PRO	2I		
386.71	413.45	26.74	GRD	MG	Trace to weakly potassic/propyllitic altered granodiorite.							
						MD	GY		PRO	1I		
						LT	GY		PRO	2I		
						DK	GN		POT	1I		
						MD	PK		POT	2I		
413.45	413.82	0.37	GRD	MG	Upper alteration of dyke contact is moderate argillic altered granodiorite with weak potassic overprinting. Transitions to weak phyllic / potassic overprinted moderate argillic alteration with proximity to dyke contact.							
						MD	PK		ARG	3I		
						LT	WH		POT	2I		
						LT	GN		PHC	2I		
413.82	424.70	10.88	QFP	FG	QFP dyke. Colours transition from gray green to red with patchy gray/green to light gray/green to red/purple.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	GN					
						DK	PU					
						LT	GY	PO				
						MD	GY					
						MD	RD					
						MD	GN					
424.70	424.87	0.17	BXA	CG	Silicified quartz breccia at the dyke contact. Contains clasts of phyllic altered granodiorite, dyke and quartz/sulphide vein. Quartz vein clasts hosts disseminated to blebby pyrite and sphalerite and disseminated galena.							
						MD	GN		PHC	3I	Sp	2
											Gn	1
						MD	GY	BX	SIL	4I	Py	3
424.87	425.43	0.56	GRD	MG	Weakly phyllic altered granodiorite transitioning to weakly propyllitic/potassic overprinted argillic alteration distally from breccia.							
						MD	PK		POT	2I		
						DK	GN		PRO	2I		
						LT	GN		PHC	2I		
						LT	WH		ARG	3I		
425.43	443.72	18.29	GRD	MG	Trace to weakly propyllitic/potassic altered granodiorite. ~ 1-3 white carbonate stringers/veinlets per meter.							
									POT	2I		
						MD	GY		PRO	1I		
						MD	PK		POT	1I		
						DK	GN		PRO	2I		
443.72	449.06	5.34	GRD	MG	Weakly potassic/propyllitic overprinted argillic alteration with patchy moderate argillic alteration.							
						LT	WH		POT	2I		
						DK	GN		ARG	3I		
						MD	PK		PRO	2I		
									PRO	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
449.06	457.46	8.40	GRD	MG	Silicified moderate phyllic alteration with patchy weak propyllitic alteration. Hosts and abundance of quartz/sulphide veins and veinlets.							
						LT	GN		PRO	2I		
						MD	GN		PHC	3I		
						DK	GN		SIL	3I		
457.46	475.73	18.27	GRD	MG	Weakly propyllitic/potassic altered granodiorite.							
						MD	GY		PRO	2I		
						DK	GN		POT	2I		
						MD	PK					
475.73	477.47	1.74	GRD	MG	Moderate Phyllic altered granodiorite alternating with patches of weak argillic and potassic alterations. Quartz/carbonate veins and stringers present throughout.							
						LT	WH					
						LT	PK		PRO	2I		
						MD	GN		PHC	3I		
						LT	GN		ARG	2I		
477.47	478.54	1.07	QFP	FG	Light green/grey quartz feldspar porphyry dyke containing a few carbonate stringers.							
						LT	GY					
						LT	GN					
478.54	478.79	0.25	QFP	FG	Quartz flooded contact zone which brecciates both the dyke contact area and the phyllic altered granodiorite. Clay stringers as well as vuggs present throughout the artea.							
						LT	GN					
						LT	GY	VU	PHC	1I		
						LT	TN	BX	PHC	2I		
478.79	479.47	0.68	GRD	MG	Moderately phyllic altered granodiorite with patchy areas of weak argillic alteration. Many dark quartz/pyrite stringers present that cross-cut quartz/carbonate stringers.							
						MD	GY					
						LT	TN					
						DK	GY					
						MD	GN		ARG	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	GN		PHC	3I		
						LT	WH					
479.47	489.24	9.77	GRD	MG	Alternating patches of weakly potassic/phyllic overprinted weak to moderately argillic altered granodiorite and weak to moderate propyllitic/potassic alteration. Multiple quartz/carbonate stringers. Weak to moderate phyllic envelopes occur around quartz/carbonate veining.							
									PHC	3I		
									PHC	2I		
						MD	GN		ARG	3I		
						LT	PK		PRO	2I		
						LT	WH		PRO	3I		
						LT	GN	PA	POT	2I		
489.24	489.46	0.22	VEN	--	Central Klaza vein is a polymetallic quartz/carbonate vein hosting disseminated to blebby pyrite, sphalerite and galena. Pyrite and galena occur interstitially in larger sphalerite blebs. First 1/3 of the vein is creamy white carbonate holding sulphides, the middle third is hold a high abundance of sulphides in quartz, the lower third silica flooded phyllic granodiorite hosting sulphides. Sphalerite is 90% blackjack and 10% honey brown.							
											Py	15
											Gn	3
											Sp	10
489.46	490.75	1.29	QFP	FG	Light grey quartz feldspar porphyry dyke. With sporadic white carbonate stringers.							
						LT	GY	PO				
490.75	492.73	1.98	GRD	MG	Alternating patches of weak to moderate potassic/propyllitic alteration and phyllic overprinted potassic/argillic alteration.							
									ARG	2I		
						MD	GY	PA	POT	2I		
						DK	GN		ARG	3I		
						MD	PK		PRO	2I		
						LT	WH		PRO	1I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	GN		POT	1I		
									PHC	2I		
492.73	492.97	0.24	GRD	MG	Second portion of the Central Klaza vein zone consists of two veins. The first is a 11cm is a grey quartz vein hosting disseminated to blebby pyrite, sphalerite and galena. The lower selvedge is 1cm of banded smoky quartz and tan ankerite. The 8cm of granodiorite separating the two veins is silicified strongly phyllic altered granodiorite hosting disseminated pyrite. The last vein is 7cm of grey quartz vein hosting disseminated to blebby pyrite, sphalerite and galena.							
									SIL	4I	Sp	8
											Gn	3
									PHC	4I	Py	8
492.97	494.48	1.51	GRD	MG	Alternating patches of phyllic/potassic overprinted argillic alteration and weak potassic/propyllitic alteration.							
									ARG	3I		
						DK	GN		PHC	2I		
						MD	PK		POT	2I		
						LT	GN	PA	PRO	2I		
494.48	506.61	12.13	GRD	MG	Trace to weakly potassic/propyllitic altered granodiorite with occasional white carbonate stringers.							
									POT	2I		
						MD	PK		POT	1I		
						DK	GN		PRO	2I		
						MD	GY		PRO	1I		

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
0.00	6.59	6.59	0	0	0.00	0	--	--	--	Casing
6.59	8.00	1.41	1.02	72	0.65	46	--	2H	4W	
8.00	11.00	3.00	2.08	69	0.73	24	--	2H	4W	
11.00	14.00	3.00	1.79	60	0.70	23	--	3H	4W	
14.00	17.00	3.00	2.04	68	0.49	16	--	2H	4W	
17.00	20.00	3.00	1.83	61	0.34	11	--	2H	4W	
20.00	23.00	3.00	2.45	82	1.53	51	--	3H	3W	
23.00	26.00	3.00	2.21	74	1.08	36	--	3H	3W	
26.00	29.00	3.00	2.27	76	1.12	37	--	3H	3W	
29.00	32.00	3.00	1.95	65	0.91	30	--	3H	3W	
32.00	35.00	3.00	2.67	89	1.63	54	--	4H	2W	
35.00	38.00	3.00	2.74	91	1.10	37	--	4H	1W	
38.00	41.00	3.00	2.07	69	1.00	33	--	3H	1W	
41.00	44.00	3.00	2.35	78	1.38	46	--	4H	1W	
44.00	47.00	3.00	2.88	96	1.75	58	--	4H	1W	
47.00	50.00	3.00	2.99	100	1.53	51	--	3H	1W	
50.00	53.00	3.00	2.51	84	2.01	67	--	3H	1W	
53.00	56.00	3.00	2.69	90	1.60	53	--	4H	1W	
56.00	59.00	3.00	2.92	97	2.13	71	--	4H	1W	
59.00	62.00	3.00	2.77	92	2.00	67	--	4H	1W	
62.00	65.00	3.00	2.58	86	2.05	68	--	4H	1W	
65.00	68.00	3.00	2.59	86	1.50	50	--	4H	1W	
68.00	71.00	3.00	2.84	95	2.53	84	--	4H	1W	
71.00	74.00	3.00	2.82	94	1.88	63	--	4H	1W	
74.00	77.00	3.00	2.77	92	2.21	74	--	4H	1W	
77.00	80.00	3.00	2.89	96	2.08	69	--	4H	1W	
80.00	83.00	3.00	2.84	95	2.11	70	--	4H	1W	
83.00	86.00	3.00	2.38	79	1.25	42	--	4H	1W	
86.00	89.00	3.00	2.95	98	2.25	75	--	4H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
89.00	92.00	3.00	3	100	1.60	53	--	4H	1W	
92.00	95.00	3.00	2.99	100	2.33	78	--	4H	1W	
95.00	98.00	3.00	2.96	99	1.98	66	--	3H	1W	
98.00	101.00	3.00	2.96	99	2.14	71	--	4H	1W	
101.00	104.00	3.00	3	100	2.86	95	--	4H	1W	
104.00	107.00	3.00	3	100	2.91	97	--	4H	1W	
107.00	110.00	3.00	2.91	97	2.58	86	--	3H	1W	
110.00	113.00	3.00	2.89	96	2.02	67	--	4H	1W	
113.00	116.00	3.00	2.9	97	1.76	59	--	4H	1W	
116.00	119.00	3.00	2.87	96	2.00	67	--	4H	1W	
119.00	122.00	3.00	1.8	60	1.06	35	--	2H	1W	
122.00	125.00	3.00	0.93	31	0.10	3	--	2H	1W	
125.00	128.00	3.00	2.48	83	0.78	26	--	2H	1W	
128.00	131.00	3.00	2.63	88	0.80	27	--	3H	1W	
131.00	134.00	3.00	2.72	91	1.12	37	--	3H	1W	
134.00	137.00	3.00	2.67	89	1.79	60	--	3H	1W	
137.00	140.00	3.00	2.7	90	1.20	40	--	3H	1W	
140.00	143.00	3.00	2.3	77	1.15	38	--	3H	1W	
143.00	146.00	3.00	2.4	80	1.28	43	--	4H	1W	
146.00	149.00	3.00	2.69	90	1.74	58	--	3H	1W	
149.00	152.00	3.00	2.85	95	1.89	63	--	3H	1W	
152.00	155.00	3.00	2.95	98	2.12	71	--	3H	1W	
155.00	158.00	3.00	3	100	2.72	91	--	3H	1W	
158.00	161.00	3.00	3	100	2.91	97	--	4H	1W	
161.00	164.00	3.00	2.93	98	2.31	77	--	4H	1W	
164.00	167.00	3.00	2.97	99	2.77	92	--	4H	1W	
167.00	170.00	3.00	3	100	2.47	82	--	4H	1W	
170.00	173.00	3.00	3	100	2.13	71	--	4H	2W	
173.00	176.00	3.00	2.76	92	2.18	73	--	4H	1W	
176.00	179.00	3.00	3	100	2.99	100	--	4H	1W	
179.00	182.00	3.00	2.97	99	2.12	71	--	4H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
182.00	185.05	3.05	2.99	98	2.66	87	--	4H	1W	
185.05	188.10	3.05	2.95	97	2.50	82	--	4H	1W	
188.10	191.14	3.04	3.04	100	2.98	98	--	4H	1W	
191.14	194.19	3.05	3.05	100	3.05	100	--	4H	1W	
194.19	197.24	3.05	3.03	99	2.83	93	--	4H	1W	
197.24	200.29	3.05	3.04	100	3.04	100	--	4H	1W	
200.29	203.34	3.05	3	98	2.78	91	--	4H	1W	
203.34	206.38	3.04	3.04	100	2.88	95	--	4H	1W	
206.38	209.43	3.05	3.05	100	2.81	92	--	3H	1W	
209.43	212.48	3.05	3.05	100	0.94	31	--	3H	1W	
212.48	215.53	3.05	3.05	100	2.21	72	--	4H	1W	
215.53	218.58	3.05	3.05	100	2.81	92	--	4H	1W	
218.58	221.62	3.04	3.04	100	2.39	79	--	4H	1W	
221.62	224.67	3.05	3.05	100	2.80	92	--	4H	1W	
224.67	227.72	3.05	3.05	100	1.55	51	--	4H	1W	
227.72	230.77	3.05	2.99	98	2.58	85	--	4H	1W	
230.77	233.82	3.05	3.04	100	2.68	88	--	4H	1W	
233.82	236.86	3.04	3.04	100	1.93	63	--	4H	1W	
236.86	239.91	3.05	3.05	100	1.77	58	--	4H	1W	
239.91	242.96	3.05	3.05	100	2.75	90	--	4H	1W	
242.96	246.01	3.05	3.04	100	2.81	92	--	4H	1W	
246.01	249.06	3.05	3.05	100	2.71	89	--	4H	1W	
249.06	252.10	3.04	3.04	100	2.82	93	--	4H	1W	
252.10	255.15	3.05	3.01	99	3.01	99	--	4H	1W	
255.15	258.20	3.05	3.05	100	2.59	85	--	4H	1W	
258.20	261.25	3.05	3.05	100	2.69	88	--	4H	1W	
261.25	264.30	3.05	2.75	90	1.99	65	--	4H	1W	
264.30	267.35	3.05	3.05	100	2.54	83	--	4H	1W	
267.35	270.39	3.04	3.04	100	2.44	80	--	4H	1W	
270.39	273.44	3.05	3.05	100	1.23	40	--	4H	1W	
273.44	276.49	3.05	2.61	86	1.32	43	--	3H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
276.49	279.54	3.05	3.05	100	2.63	86	--	4H	1W	
279.54	282.58	3.04	3.04	100	2.12	70	--	4H	1W	
282.58	285.63	3.05	3.05	100	2.37	78	--	4H	1W	
285.63	288.68	3.05	2.93	96	2.66	87	--	4H	1W	
288.68	291.73	3.05	3.05	100	2.78	91	--	4H	1W	
291.73	294.78	3.05	3.05	100	2.58	85	--	4H	1W	
294.78	297.82	3.04	3.04	100	2.50	82	--	4H	1W	
297.82	300.87	3.05	3.05	100	2.39	78	--	4H	1W	
300.87	303.92	3.05	2.95	97	2.76	90	--	4H	1W	
303.92	306.97	3.05	2.95	97	2.78	91	--	4H	1W	
306.97	310.02	3.05	3.05	100	2.72	89	--	4H	1W	
310.02	313.06	3.04	2.89	95	2.74	90	--	4H	1W	
313.06	316.11	3.05	3.05	100	2.66	87	--	4H	1W	
316.11	319.16	3.05	3.02	99	2.80	92	--	4H	1W	
319.16	322.21	3.05	3.01	99	2.86	94	--	4H	1W	
322.21	325.26	3.05	3	98	2.63	86	--	3H	1W	
325.26	328.30	3.04	2.98	98	2.64	87	--	3H	1W	
328.30	331.35	3.05	3.03	99	2.70	89	--	3H	1W	
331.35	334.40	3.05	3.05	100	2.64	87	--	4H	1W	
334.40	337.45	3.05	3.05	100	2.69	88	--	4H	1W	
337.45	340.50	3.05	3.05	100	2.47	81	--	3H	1W	
340.50	343.54	3.04	3.04	100	2.13	70	--	4H	1W	
343.54	346.59	3.05	3.05	100	2.71	89	--	4H	1W	
346.59	349.64	3.05	3.05	100	2.81	92	--	4H	1W	
349.64	352.69	3.05	3.05	100	2.99	98	--	4H	1W	
352.69	355.74	3.05	2.98	98	2.46	81	--	4H	1W	
355.74	358.78	3.04	3	99	2.72	89	--	4H	1W	
358.78	361.83	3.05	3.01	99	2.74	90	--	4H	1W	
361.83	364.88	3.05	3.05	100	2.73	90	--	4H	1W	
364.88	367.93	3.05	3.02	99	2.87	94	--	4H	1W	
367.93	370.97	3.04	3.04	100	2.77	91	--	4H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
370.97	374.02	3.05	3.05	100	2.51	82	--	3H	1W	
374.02	377.07	3.05	3.04	100	2.72	89	--	4H	1W	
377.07	380.12	3.05	2.65	87	1.38	45	--	3H	1W	
380.12	383.17	3.05	3.05	100	1.46	48	--	3H	1W	
383.17	386.22	3.05	3.05	100	1.81	59	--	3H	1W	
386.22	389.26	3.04	2.96	97	2.39	79	--	4H	1W	
389.26	392.31	3.05	3.05	100	2.46	81	--	4H	1W	
392.31	395.36	3.05	3.05	100	2.84	93	--	4H	1W	
395.36	398.41	3.05	3	98	2.80	92	--	4H	1W	
398.41	401.46	3.05	3.05	100	2.93	96	--	4H	1W	
401.46	404.50	3.04	3.04	100	2.91	96	--	4H	1W	
404.50	407.55	3.05	3.05	100	2.85	93	--	4H	1W	
407.55	410.60	3.05	3.05	100	2.96	97	--	4H	1W	
410.60	413.65	3.05	3.02	99	2.71	89	--	4H	1W	
413.65	416.70	3.05	3.05	100	2.77	91	--	3H	1W	
416.70	419.74	3.04	3.04	100	2.78	91	--	3H	1W	
419.74	422.79	3.05	3	98	2.96	97	--	3H	1W	
422.79	425.84	3.05	3.05	100	2.40	79	--	3H	1W	
425.84	428.89	3.05	2.93	96	2.57	84	--	4H	1W	
428.89	431.94	3.05	2.99	98	2.08	68	--	4H	1W	
431.94	434.98	3.04	2.95	97	1.88	62	--	4H	1W	
434.98	438.03	3.05	2.96	97	2.51	82	--	4H	1W	
438.03	441.08	3.05	2.93	96	2.33	76	--	4H	1W	
441.08	444.13	3.05	2.99	98	2.84	93	--	4H	1W	
444.13	447.18	3.05	3.05	100	2.75	90	--	3H	1W	
447.18	450.22	3.04	2.97	98	2.85	94	--	3H	1W	
450.22	453.27	3.05	2.97	97	2.72	89	--	3H	1W	
453.27	456.32	3.05	3.05	100	2.52	83	--	3H	1W	
456.32	459.37	3.05	3.02	99	1.91	63	--	3H	1W	
459.37	462.42	3.05	2.94	96	1.21	40	--	4H	1W	
462.42	465.46	3.04	3.04	100	2.95	97	--	3H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
465.46	468.51	3.05	2.95	97	2.95	97	--	4H	1W	
468.51	471.56	3.05	3.05	100	2.99	98	--	4H	1W	
471.56	474.61	3.05	2.98	98	2.85	93	--	4H	1W	
474.61	477.66	3.05	2.96	97	2.90	95	--	4H	1W	
477.66	480.70	3.04	2.96	97	2.36	78	--	4H	1W	
480.70	483.75	3.05	3	98	1.68	55	--	3H	1W	
483.75	486.80	3.05	3.02	99	2.44	80	--	4H	1W	
486.80	489.85	3.05	3.05	100	2.93	96	--	3H	1W	
489.85	492.90	3.05	3.05	100	2.41	79	--	3H	1W	
492.90	495.94	3.04	2.96	97	1.57	52	--	4H	1W	
495.94	498.99	3.05	3.05	100	2.31	76	--	4H	1W	
498.99	502.04	3.05	2.99	98	1.98	65	--	4H	1W	
502.04	505.09	3.05	3.05	100	1.26	41	--	4H	1W	
505.09	506.61	1.52	1.52	100	1.35	89	--	4H	1W	

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
0.00	0.00	0.00	-QC-	0.00	0	R498377	☐	15-010		KL-STD6	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R499247	☐	15-023	HG 2		☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R498442	☐	15-014			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R498434	☐	15-014		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R498427	☐	15-014		KL-STD6	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R498420	☐	15-014			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R498405	☐	15-012			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R498399	☐	15-012			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R498307	☐	15-006		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R498385	☐	15-012		KL-STD6	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R499260	☐	15-023	HG 2		☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R498366	☐	15-010		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R498359	☐	15-010			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R498349	☐	15-010			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R498340	☐	15-008		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R498328	☐	15-008		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R498322	☐	15-008			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R498313	☐	15-008			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R498390	☐	15-012		KL-STD5	☐	☐	☐
6.84	8.24	1.40	-?-, GRD	1.40	100	R498305	☐	15-006			☐	☐	☐
8.24	9.55	1.31	GRD	1.29	98	R498306	☐	15-006			☐	☐	☐
9.55	10.30	0.75	GRD	0.73	97	R498308	☐	15-006			☐	☐	☐
10.30	11.00	0.70	GRD	0.70	100	R498309	☐	15-008			☐	☐	☐
11.00	11.75	0.75	GRD	0.75	100	R498310	☐	15-008			☐	☐	☐
11.75	12.22	0.47	GRD	0.47	100	R498311	☐	15-008			☐	☐	☐
12.22	12.74	0.52	GRD	0.50	96	R498312	☐	15-008			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
12.74	13.90	1.16	GRD	0.89	77	R498314	☐	15-008			☐	☐	☐
13.90	15.06	1.16	GRD	1.16	100	R498315	☐	15-008			☐	☐	☐
15.06	16.16	1.10	GRD	1.10	100	R498316	☐	15-008			☐	☐	☐
16.16	17.85	1.69	GRD	1.69	100	R498317	☐	15-008			☐	☐	☐
17.85	18.83	0.98	GRD	0.94	96	R498318	☐	15-008			☐	☐	☐
18.83	19.13	0.30	GRD	0.30	100	R498319	☐	15-008			☐	☐	☐
19.13	20.43	1.30	GRD	1.30	100	R498320	☐	15-008			☐	☐	☐
20.43	20.73	0.30	GRD	0.30	100	R498321	☐	15-008			☐	☐	☐
20.73	22.83	2.10	GRD	2.01	96	R498323	☐	15-008			☐	☐	☐
20.73	22.83	2.10	GRD	2.01	96	R498324	☐	15-008			☐	☑	☐
22.83	23.43	0.60	GRD	0.60	100	R498325	☐	15-008			☐	☐	☐
23.43	24.20	0.77	GRD	0.65	84	R498326	☐	15-008			☐	☐	☐
24.20	25.51	1.31	GRD	1.31	100	R498327	☐	15-008			☐	☐	☐
25.51	26.96	1.45	GRD	1.29	89	R498329	☐	15-008			☐	☐	☐
26.96	29.00	2.04	GRD	2.03	100	R498330	☐	15-008			☐	☐	☐
29.00	29.61	0.61	GRD	0.61	100	R498331	☐	15-008			☐	☐	☐
48.91	49.34	0.43	GRD	0.41	95	R498332	☐	15-008			☐	☐	☐
53.76	54.12	0.36	GRD	0.36	100	R498333	☐	15-008			☐	☐	☐
75.62	76.92	1.30	GRD	0.30	23	R498334	☐	15-008			☐	☐	☐
86.10	86.40	0.30	GRD	0.30	100	R498335	☐	15-008			☐	☐	☐
105.46	106.60	1.14	GRD	1.12	98	R498336	☐	15-008			☐	☐	☐
106.60	107.61	1.01	GRD	1.00	99	R498337	☐	15-008			☐	☐	☐
107.61	108.20	0.59	GRD	0.59	100	R498338	☐	15-008			☐	☐	☐
108.20	109.26	1.06	GRD	1.02	96	R498339	☐	15-008			☐	☐	☐
118.25	119.41	1.16	GRD	1.15	99	R498341	☐	15-008			☐	☐	☐
119.41	121.08	1.67	GRD	1.08	65	R498342	☐	15-008			☐	☐	☐
119.41	121.08	1.67	GRD	1.08	65	R498343	☐	15-008			☐	☐	☑
121.08	122.00	0.92	GRD	0.91	99	R498344	☐	15-008			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
122.00	123.04	1.04	GRD	0.43	41	R498345	☐	15-010			☐	☐	☐
123.04	125.00	1.96	GRD	1.04	53	R498346	☐	15-010			☐	☐	☐
125.00	125.70	0.70	GRD	0.68	97	R498347	☐	15-010			☐	☐	☐
125.70	126.72	1.02	GRD	1.02	100	R498348	☐	15-010			☐	☐	☐
126.72	127.22	0.50	GRD	0.50	100	R498350	☐	15-010			☐	☐	☐
147.30	148.45	1.15	GRD	1.15	100	R498351	☐	15-010			☐	☐	☐
148.45	149.22	0.77	GRD	0.77	100	R498352	☐	15-010			☐	☐	☐
149.22	149.94	0.72	GRD	0.71	99	R498353	☐	15-010			☐	☐	☐
149.94	151.20	1.26	GRD	1.17	93	R498354	☐	15-010			☐	☐	☐
151.20	152.00	0.80	GRD	0.80	100	R498355	☐	15-010			☐	☐	☐
152.00	153.31	1.31	GRD	1.31	100	R498356	☐	15-010			☐	☐	☐
153.31	154.17	0.86	GRD	0.85	99	R498357	☐	15-010			☐	☐	☐
154.17	154.65	0.48	GRD	0.47	98	R498358	☐	15-010			☐	☐	☐
154.65	156.61	1.96	GRD	1.96	100	R498360	☐	15-010			☐	☐	☐
156.61	157.04	0.43	GRD	0.43	100	R498361	☐	15-010			☐	☐	☐
157.04	158.54	1.50	GRD	1.50	100	R498362	☐	15-010			☐	☐	☐
157.04	158.54	1.50	GRD	1.50	100	R498363	☐	15-010			☐	☑	☐
158.54	160.45	1.91	GRD	1.91	100	R498364	☐	15-010			☐	☐	☐
160.45	161.74	1.29	GRD	1.29	100	R498365	☐	15-010			☐	☐	☐
161.74	162.11	0.37	GRD	0.37	100	R498367	☐	15-010			☐	☐	☐
162.11	163.17	1.06	GRD	1.01	95	R498368	☐	15-010			☐	☐	☐
172.00	173.06	1.06	GRD	1.00	94	R498369	☐	15-010			☐	☐	☐
173.06	173.38	0.32	GRD	0.32	100	R498370	☐	15-010			☐	☐	☐
173.38	175.04	1.66	GRD	1.66	100	R498371	☐	15-010			☐	☐	☐
175.04	176.62	1.58	GRD	1.45	92	R498372	☐	15-010			☐	☐	☐
175.04	176.62	1.58	GRD	1.45	92	R498373	☐	15-010			☐	☐	☑
176.62	177.55	0.93	GRD	0.83	89	R498374	☐	15-010			☐	☐	☐
177.55	179.53	1.98	GRD	1.95	98	R498375	☐	15-010			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
179.53	180.36	0.83	GRD	0.83	100	R498376	☐	15-010			☐	☐	☐
180.36	180.84	0.48	GRD	0.48	100	R498378	☐	15-010			☐	☐	☐
180.84	182.95	2.11	GRD	2.03	96	R498379	☐	15-010			☐	☐	☐
182.95	185.72	2.77	GRD	2.72	98	R498380	☐	15-010			☐	☐	☐
185.72	188.44	2.72	GRD	2.69	99	R498381	☐	15-012			☐	☐	☐
188.44	189.67	1.23	GRD	1.23	100	R498382	☐	15-012			☐	☐	☐
189.67	191.76	2.09	GRD	2.09	100	R498383	☐	15-012			☐	☐	☐
191.76	193.75	1.99	GRD	1.99	100	R498384	☐	15-012			☐	☐	☐
193.75	194.27	0.52	GRD	0.52	100	R498386	☐	15-012			☐	☐	☐
194.27	195.44	1.17	GRD	1.17	100	R498387	☐	15-012			☐	☐	☐
195.44	196.60	1.16	GRD	1.16	100	R498388	☐	15-012			☐	☐	☐
205.75	206.74	0.99	GRD	0.99	100	R498389	☐	15-012			☐	☐	☐
206.74	207.04	0.30	GRD	0.30	100	R498391	☐	15-012			☐	☐	☐
207.04	207.55	0.51	GRD	0.51	100	R499239	☐	15-023	HG 2		☐	☐	☐
207.55	207.85	0.30	GRD	0.30	100	R498392	☐	15-012			☐	☐	☐
207.85	208.85	1.00	GRD	1.00	100	R498393	☐	15-012			☐	☐	☐
207.85	208.85	1.00	GRD	1.00	100	R498394	☐	15-012			☐	☑	☐
208.85	209.85	1.00	GRD	1.00	100	R498395	☐	15-012			☐	☐	☐
231.31	234.08	2.77	GRD	2.77	100	R498396	☐	15-012			☐	☐	☐
234.08	235.12	1.04	GRD	1.04	100	R498397	☐	15-012			☐	☐	☐
235.12	235.44	0.32	GRD	0.32	100	R498398	☐	15-012			☐	☐	☐
235.44	236.70	1.26	GRD	1.26	100	R498400	☐	15-012			☐	☐	☐
236.70	237.06	0.36	GRD	0.36	100	R498401	☐	15-012			☐	☐	☐
237.06	238.07	1.01	GRD	1.01	100	R498402	☐	15-012			☐	☐	☐
278.65	280.34	1.69	GRD	1.69	100	R498403	☐	15-012			☐	☐	☐
280.34	280.75	0.41	GRD	0.41	100	R498404	☐	15-012			☐	☐	☐
280.75	281.75	1.00	GRD	1.00	100	R498406	☐	15-012			☐	☐	☐
313.23	313.85	0.62	GRD	0.62	100	R498407	☐	15-012			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
313.85	314.27	0.42	GRD	0.42	100	R498408	☐	15-012			☐	☐	☐
314.27	315.13	0.86	GRD	0.86	100	R498409	☐	15-012			☐	☐	☐
315.13	315.84	0.71	GRD	0.70	99	R498410	☐	15-012			☐	☐	☐
315.13	315.84	0.71	GRD	0.70	99	R498411	☐	15-012			☐	☐	☑
315.84	316.52	0.68	GRD	0.68	100	R498412	☐	15-012			☐	☐	☐
323.18	323.82	0.64	GRD	0.64	100	R498413	☐	15-012			☐	☐	☐
323.82	326.74	2.92	GRD	2.92	100	R498414	☐	15-012			☐	☐	☐
326.74	327.18	0.44	GRD	0.43	98	R498415	☐	15-012			☐	☐	☐
327.18	330.03	2.85	GRD	2.85	100	R498416	☐	15-012			☐	☐	☐
330.03	331.35	1.32	GRD	1.32	100	R498417	☐	15-014			☐	☐	☐
331.35	333.00	1.65	GRD	1.62	98	R498418	☐	15-014			☐	☐	☐
333.00	333.73	0.73	GRD	0.73	100	R498419	☐	15-014			☐	☐	☐
333.73	334.95	1.22	GRD	1.18	97	R498421	☐	15-014			☐	☐	☐
334.95	336.05	1.10	GRD	1.10	100	R498422	☐	15-014			☐	☐	☐
336.05	336.89	0.84	GRD	0.82	98	R498423	☐	15-014			☐	☐	☐
336.89	337.45	0.56	GRD, QFP	0.55	98	R499245	☐	15-023	HG 2		☐	☐	☐
337.45	338.12	0.67	QFP	0.67	100	R498424	☐	15-014			☐	☐	☐
352.26	352.69	0.43	GRD	0.39	91	R498425	☐	15-014			☐	☐	☐
381.82	382.79	0.97	QFP	0.97	100	R498426	☐	15-014			☐	☐	☐
382.79	383.44	0.65	GRD, QFP	0.61	94	R498428	☐	15-014			☐	☐	☐
383.44	384.18	0.74	GRD	0.74	100	R499246	☐	15-023	HG 2		☐	☐	☐
384.18	386.22	2.04	GRD	2.04	100	R498429	☐	15-014			☐	☐	☐
423.72	424.72	1.00	QFP	0.95	95	R498430	☐	15-014			☐	☐	☐
424.72	425.15	0.43	BXA	0.42	98	R498431	☐	15-014			☐	☐	☐
425.15	425.95	0.80	GRD	0.80	100	R498432	☐	15-014			☐	☐	☐
431.63	432.59	0.96	GRD	0.95	99	R498433	☐	15-014			☐	☐	☐
432.59	432.84	0.25	GRD	0.25	100	R498435	☐	15-014			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
432.84	433.84	1.00	GRD	0.97	97	R498436	☐	15-014			☐	☐	☐
448.23	449.27	1.04	GRD	1.00	96	R498437	☐	15-014			☐	☐	☐
448.23	449.27	1.04	GRD	1.00	96	R498438	☐	15-014			☐	☑	☐
449.27	450.68	1.41	GRD	1.40	99	R498439	☐	15-014			☐	☐	☐
450.68	451.32	0.64	GRD	0.64	100	R498440	☐	15-014			☐	☐	☐
451.32	451.73	0.41	GRD	0.41	100	R498441	☐	15-014			☐	☐	☐
451.73	452.03	0.30	GRD	0.30	100	R498443	☐	15-014			☐	☐	☐
452.03	452.60	0.57	GRD	0.54	95	R498444	☐	15-014			☐	☐	☐
452.60	454.01	1.41	GRD	1.41	100	R498445	☐	15-014			☐	☐	☐
452.60	454.01	1.41	GRD	1.41	100	R498446	☐	15-014			☐	☐	☑
454.01	454.61	0.60	GRD	0.60	100	R498447	☐	15-014			☐	☐	☐
454.61	454.99	0.38	GRD	0.37	97	R498448	☐	15-014			☐	☐	☐
454.99	455.29	0.30	GRD	0.30	100	R498449	☐	15-014			☐	☐	☐
455.29	456.19	0.90	GRD	0.90	100	R498450	☐	15-014			☐	☐	☐
488.18	489.18	1.00	GRD	1.00	100	R498451	☐	15-014			☐	☐	☐
489.18	489.58	0.40	GRD	0.40	100	R499259	☐	15-023	HG 2		☐	☐	☐
489.58	490.75	1.17	QFP	1.17	100	R498452	☐	15-014			☐	☐	☐
490.75	492.68	1.93	GRD, QFP	1.93	100	R498453	☐	15-018			☐	☐	☐
492.68	492.98	0.30	GRD	0.30	100	R499261	☐	15-023	HG 2		☐	☐	☐
492.98	493.98	1.00	GRD	1.00	100	R498454	☐	15-018			☐	☐	☐

Klaza - Klaza Project

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		382928	6889140	1445.31	245.97

ZONE: Eastern BRX

SECTION:

HOLE: KL-15-244

CLAIM:

Contractor: Platinum

Drill: 1

Core Size: HQ

Casing Depth: 1.52m, Out

Drilling Dates: Jun 10 - Jun 13, 2015

Geology Logged By: T. Cruz

SURVEY			
Depth (m)	Azimuth	Dip	Method
17.37	32.2	-49.2	Reflex
245.97	37.7	-50	Reflex

TARGET:

SUMMARY			
From (m)	To (m)	Interval (m)	Rock Type
0	1.52	1.52	CAS
1.52	8.93	7.41	GRD
8.93	27.85	18.92	GRD
27.85	27.98	0.13	QFP
27.98	45.31	17.33	GRD
45.31	47.51	2.2	GRD
47.51	58.73	11.22	GRD
58.73	71.02	12.29	QFP
71.02	71.96	0.94	VEN
71.96	74.35	2.39	GRD
74.35	98.35	24	GRD
98.35	109.33	10.98	GRD
109.33	123.87	14.54	GRD
123.87	125.45	1.58	GRD
125.45	130.51	5.06	GRD
130.51	132.83	2.32	GRD

SAMPLES	
Numbers:	R498841 to R498908, R499237 to R499238, R499240 to R499244
Total:	75
Batch:	007, 011, 013, 023
Certificates:	WH15087003, WH15088815, WH15088819, WH15092136, WH15095305, WH15097638

COMMENTS
BRX Vein at 71.02-71.96m; Pika Vein at 196.84-197.68m

132.83	135.04	2.21	VEN
135.04	137.02	1.98	GRD
137.02	174.11	37.09	GRD
174.11	180.31	6.2	GRD
180.31	191.71	11.4	GRD
191.71	192.04	0.33	QFP
192.04	196.84	4.8	GRD
196.84	197.68	0.84	VEN
197.68	202.97	5.29	GRD
202.97	245.97	43	GRD

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
1.52	2.39	0.87	GRD	MG	Very rubbly granodiorite recovery at top of hole. Weak oxidation.							
						MD	GY	RB	OXI	2I		
						MD	BN	FR				
2.39	4.40	2.01	GRD	MG	Intensely oxidized granodiorite, partially reduced to soil. Limonite and goethite are the dominant oxide minerals.							
						MD	BN	RB	OXI	5I	Go	7
						DK	BN				Li	10
4.40	5.62	1.22	GRD	MG	Fractured granodiorite with weak propylitic and moderate oxide weathering.							
						MD	GN	FR	PRO	2I		
						MD	BN		OXI	3I		
5.62	6.67	1.05	GRD	FG	Rubbly and faulted granodiorite with 20% clay gouge. Moderate-strong oxidation in clay and on fractures.							
						MD	BN	FR	OXI	4I	Li	20
									LIM	3I	Go	10
									CLY	3I		
6.67	8.36	1.69	GRD	MG	Granodiorite with oxide staining on fractures.							
						MD	GY	FR	OXI	3I		
						MD	BN					
8.36	8.93	0.57	GRD	MG	Strongly oxidized and crumbled granodiorite. Some rubbly fragments, but most recovery is crumbled.							
						MD	OR	FR	OXI	4I	Li	30
								RB				
8.93	14.33	5.40	GRD	MG	Granodiorite with weak patchy propylitic and weak oxidation on fractures. Cut by quartz veins/veinlets with trace disseminated pyrite and narrow phyllic halos.							
						MD	GY	PA	PRO	2I	Py	0.1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GN		OXI	2I		
						MD	BN		PHC	1I		
14.33	16.96	2.63	GRD	MG	Granodiorite cut by quartz veinlets hosting trace disseminated pyrite and 3-10cm phyllic halos. Weak oxidation on fracture surface.							
						MD	GY		PHC	2I	Py	0.1
						LT	GN		OXI	2I		
16.96	17.97	1.01	GRD	MG	Phyllic and argillic altered granodiorite with weak semi-pervasive oxide staining.							
						LT	WH		PHC	2I		
						LT	GN		ARG	2I		
						LT	BN		OXI	2I		
17.97	24.64	6.67	GRD	MG	Granodiorite with trace propylitic alteration and weak oxide staining on fractures.							
									PRO	1I		
									OXI	2I		
24.64	25.42	0.78	GRD	MG	Strongly oxidized, moderately clay altered fractured granodiorite. Possibly faulted.							
						MD	OR	FR	OXI	4I		
						LT	BN	RB	CLY	3I		
25.42	27.85	2.43	GRD	MG	Granodiorite with weak pervasive oxide staining. Brecciated lower contact with quartz feldspar porphyry dyke.							
						MD	GY		OXI	2I		
						MD	BN					
27.85	27.98	0.13	QFP	FG	Light green quartz feldspar porphyry dyke with strong hydrothermal alteration and weak semi-pervasive oxide staining stemming from the contact planes.							
						LT	BN	PO	OXI	2I		
						LT	GN	AN	HYD	4I		
27.98	34.20	6.22	GRD	MG	Fresh granodiorite with weak oxidation on fracture surfaces and patchy weak propylitic alteration.							
						MD	GY	PA	PRO	2I		
						MD	GN		OXI	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
34.20	34.71	0.51	GRD	MG	Interval of moderate oxide staining in weakly propylitic granodiorite.							
						MD	BN		PRO	2I		
									OXI	3I		
34.71	45.31	10.60	GRD	MG	Fresh granodiorite with narrow phyllic halos on few quartz-pyrite veinlets. Weak oxide staining on fracture surfaces.							
						MD	GY		PHC	1I		
						LT	BN					
45.31	46.49	1.18	GRD	MG	Granodiorite with weak patchy phyllic alteration on quartz veinlets. Weak oxidation on fracture surfaces.							
						MD	GY		OXI	2I		
						LT	GN		PHC	2I		
						LT	BN					
46.49	47.51	1.02	GRD	MG	Moderately phyllic altered granodiorite cut by two 4-5cm wide quartz veins with disseminated tourmaline. Tourmaline (var. schorl) is fine, sometimes occuring in radiating clusters 1-2mm in diameter. A single quartz veinlet carries honey brown sphalerite, pyrite, and disseminated arsenopyrite. Weak oxide staining on fracture surfaces.							
						LT	GN		PHC	3I	To	0.1
						LT	BN		OXI	2I	Py	0.1
											As	0.1
											Sp	0.1
47.51	58.73	11.22	GRD	MG	Relatively fresh granodiorite with patchy propylitic alteration and weak oxide staining on fractures.							
						MD	GY		OXI	2I		
						LT	BN		PRO	2I		
58.73	60.09	1.36	QFP	FG	Low angle interfingered contact between granodiorite and quartz feldspar porphyry dyke. Up to 2cm oxide stained gouge along contact. Disseminated pyrite and trace blebby hematite along contact.							
						LT	GY	PO	HYD	5I	Py	1
						LT	BN		OXI	2I	He	1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
60.09	63.85	3.76	QFP	FG	Maroon quartz feldspar porphyry dyke with better preserved phenocrysts than the rest of the dyke. Phenocryst texture to <1mm grains is preserved. Weak semi-pervasive oxide staining. Phenocrysts are only partially altered to clays.							
						LT	BN					
						DK	MR	PO	HYD	4I		
63.85	67.81	3.96	QFP	FG	Heavily fractured, strongly hydrothermally altered quartz feldspar porphyry dyke with short gouge sections. Moderate pervasive oxide staining.							
						MD	TN	RB	OXI	2I		
						LT	BN	FR	HYD	5I		
								PO				
67.81	71.02	3.21	QFP	FG	Quartz feldspar porphyry dyke with moderately preserved phenocryst texture, however all phenocrysts are altered to clay. Short gouged intervals. Weak-trace oxide staining. Hydrothermal alteration increases near lower contact with the BRX vein zone.							
						MD	MR	PO	OXI	1I		
									HYD	4I		
71.02	71.33	0.31	GRD	MG	Strongly phyllic granodiorite with several quartz-pyrite veinlets, one of which is offset. Disseminated pyrite in phyllic granodiorite.							
						LT	GY	NE	PHC	4I	Py	3
						LT	WH				Py	5

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
71.33	71.89	0.56	VEN	MG	Distinctly banded vein with 7 major sections. 71.33-71.39: Band of massive pyrite. 71.39-71.44: Band of blebby-intergrown honey brown sphalerite, galena, and disseminated arsenopyrite. 71.44-71.49: Short section of intensely silicified granodiorite with disseminated-blebby pyrite. 71.49-71.58: White quartz hosting blebby honey brown sphalerite focused near the centre, blebby galena at the selvedges, and disseminated-blebby arsenopyrite interstitial to galena. 71.58-71.64: Band pf massive pyrite. 71.64-71.71: Quartz hosting few clasts of phyllic granodiorite with massive-blebby pyrite, blebby honey brown sphalerite, and disseminated galena. 71.71-71.89: Milky-cream quartz-carbonate with weakly developed crustiform textures near selvedges, with interstitial-blebby honey brown sphalerite, galena, and disseminated arsenopyrite.							
						MD	BR	BN	PHC	3I	Py	15
						LT	WH				Py	5
											As	2
											Sp	5
											Gn	3
71.89	71.96	0.07	GRD	MG	Strongly phyllic altered granodiorite hosting disseminated-blebby pyrite.							
						LT	GN		PHC	4I	Py	8
71.96	74.35	2.39	GRD	MG	Weak-moderate phyllic and propylitic altered granodiorite with few blurred quartz eyes and weak oxide staining along fracture surfaces. Patchy trace argillic alteration.							
						LT	GN		PHC	3I	Py	0.1
						LT	BN		ARG	1I		
									PHC	2I		
74.35	79.72	5.37	GRD	MG	Fresh granodiorite with trace patchy potassic alteration.							
						MD	GY	PA	POT	1I		
						LT	PK					
79.72	80.17	0.45	GRD	MG	Weak potassic and argillic altered granodiorite.							
						LT	GN		POT	1I		
						LT	PK		ARG	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
80.17	81.51	1.34	GRD	MG	Fresh granodiorite.							
						MD	GY					
81.51	83.27	1.76	GRD	MG	Moderately phyllic altered granodiorite with disseminated pyrite throughout the groundmass and crosscutting quartz-pyrite veinlets. Cut by a single banded-crustiform quartz-carbonate vein.							
						LT	GN		PHC	3I	Py	3
83.27	90.53	7.26	GRD	MG	Fresh granodiorite with patches of weak propylitic.							
						MD	GN	PA	PRO	1I		
						MD	GY					
90.53	90.91	0.38	GRD	MG	Short interval of moderate phyllic granodiorite with trace disseminated pyrite.							
						LT	GN		PHC	3I	Py	0.1
90.91	96.62	5.71	GRD	MG	Fresh granodiorite with patches of weak propylitic.							
						MD	GY	PA	PRO	1I		
						MD	GN					
96.62	97.74	1.12	GRD	MG	Weakly phyllic altered granodiorite with trace disseminated pyrite.							
						LT	GN		PHC	3I	Py	1
97.74	98.35	0.61	GRD	MG	Fresh granodiorite.							
						MD	GY					
98.35	101.93	3.58	GRD	MG	Moderately phyllic altered granodiorite cut by mineralized and texturally complex quartz veins. Fine disseminated black tourmaline at 99.38m, 99.7m, 101.48m. Patchy weak argillic alteration is overprinted by phyllic.							
						LT	GN		ARG	1I	To	1
									PHC	3I	Py	1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
101.93	102.09	0.16	VEN	MG	Poly metallic sulphide hosted in vuggy quartz-carbonate veins. Vugs are lined by crustiform carbonate (ankerite and calcite). Grey-smoky quartz hosts blebby pyrite and bladed-disseminated arsenopyrite. Grey quartz is cut and partially brecciated by the white-pink-cream carbonate bands. Most blebby honey brown sphalerite and blebby galena are hosted adjacent to the carbonate. Oriented at 45 TCA.							
						MD	BR				Sp	3
						LT	GY	BN	PHC	4I	Py	8
						LT	GN				Gn	1
											As	2
											As	3
102.09	102.79	0.70	GRD	MG	Weak-moderately phyllic altered granodiorite with disseminated pyrite in groundmass.							
						LT	GN		PHC	3I	Py	1
102.79	103.74	0.95	GRD	MG	Granodiorite with patchy trace phyllic along stringers.							
						MD	GY		PHC	1I		
						LT	GN					
103.74	106.44	2.70	GRD	MG	Granodiorite with patchy/vein-associated phyllic alteration and crosscutting quartz veins/veinlets hosting pyrite.							
						MD	GY		PHC	2I	Py	0.1
						LT	GN					
106.44	109.33	2.89	GRD	MG	Granodiorite with phyllic alteration halos around quartz-pyrite veins/veinlets and weak argillic patches. Disseminated pyrite in phyllic halos.							
						LT	GN	PA	PHC	3I	Py	1
						LT	WH		ARG	2I		
109.33	114.52	5.19	GRD	MG	Fresh granodiorite with patches of weak-trace propylitic and potassic alteration.							
						MD	GY	PA	POT	1I		
						MD	GN		PRO	1I		
						LT	PK					
114.52	115.30	0.78	GRD	MG	Phyllic halo around quartz-pyrite veins with trace sericite in halos.							
						LT	GN		PHC	3I	Py	0.1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
									SER	1I		
115.30	117.13	1.83	GRD	MG	Fresh granodiorite with patches of weak-trace propylitic and potassic alteration.							
						MD	GY	PA	POT	1I		
						MD	GN		PRO	1I		
						LT	PK					
117.13	117.66	0.53	GRD	MG	Phyllic halo around two quartz veinlets with trace disseminated pyrite.							
						LT	GN		PHC	3I	Py	0.1
117.66	120.48	2.82	GRD	MG	Fresh granodiorite with patches of weak-trace propylitic and potassic alteration.							
						MD	GY	PA	PRO	1I		
						MD	GN		POT	1I		
						LT	PK					
120.48	120.79	0.31	GRD	MG	Phyllic halo in granodiorite around a thinly banded white-smoky quartz veinlet carrying disseminated pyrite.							
						LT	GN		PHC	2I	Py	0.1
120.79	123.87	3.08	GRD	MG	Fresh granodiorite with patches of weak-trace propylitic and potassic alteration.							
						MD	GY		POT	1I		
						MD	GN					
						LT	PK	PA	PRO	1I		
123.87	125.45	1.58	GRD	MG	Strongly phyllic altered granodiorite with several crosscutting mineralized veins. One vein breccia at 125m hosts blebby-disseminated pyrite and trace sphalerite.							
						LT	GN		PHC	3I	Py	0.1
125.45	128.09	2.64	GRD	MG	Granodiorite with weak-trace potassic and propylitic alteration.							
						MD	GY	PA	PRO	1I		
						MD	GN		POT	1I		
						LT	PK					
128.09	129.22	1.13	GRD	MG	Moderately phyllic altered granodiorite cut by pyrite-bearing stringers. Patchy weak-moderate argillic.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	WH	PA	ARG	2I	Py	0.1
						LT	GN		PHC	3I		
129.22	130.51	1.29	GRD	MG	Relatively fresh granodiorite with trace patchy propylitic and potassic alteration.							
						MD	GY	PA	PRO	1I		
						MD	GN		POT	1I		
						LT	PK					
130.51	132.83	2.32	GRD	MG	Strongly phyllic altered granodiorite with patches of phyllic. Crosscut by a thinly banded quartz veinlet and a massive pyrite vein.							
						LT	GN	PA	PHC	4I	Py	2
											Py	0.5
132.83	133.20	0.37	VEN	MG	Fractured massive pyrite matrix-supported vein breccia with clasts of phyllic granodiorite. Weak argillic alteration adjacent to broken surfaces.							
						MD	BR	BX	PHC	3I	Py	60
						LT	GN		ARG	1I		
133.20	134.73	1.53	GRD	MG	Strongly phyllic altered granodiorite with clay along fractures. Disseminated pyrite is found throughout groundmass. Crosscut by quartz veinlets/stringers hosting pyrite.							
						LT	GN		CLY	2I	Py	5
									PHC	4I		
134.73	135.04	0.31	VEN	MG	Massive quartz vein with significant massive pyrite. Massive pyrite is somewhat intergrown with quartz in the up hole half, but the down hole half shows sharper segregation.							
						MD	BR					
						LT	WH	MA			Py	50
135.04	137.02	1.98	GRD	MG	Phyllic vein halo on preceding massive pyrite vein. Cut by quartz veinlets/veins bearing pyrite, with stronger phyllic halos. Patchy argillic alteration near major pyrite vein. Single vein at 136.8m hosts honey brown sphalerite, galena, pyrite, and trace arsenopyrite.							
						LT	GN		PHC	3I	Py	2
											As	0.1
									ARG	1I	Py	1
											Sp	0.1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
											Gn	0.1
137.02	140.14	3.12	GRD	MG	Fresh granodiorite with narrow phyllic halos on pyrite-bearing veinlets.							
						MD	GY		PHC	1I		
						LT	GN					
140.14	140.54	0.40	GRD	MG	Narrow phyllic halo on a banded quartz vein with pyrite, honey brown sphalerite, and disseminated arsenopyrite.							
						LT	GN		PHC	3I	Py	2
											Sp	0.1
											As	0.1
140.54	142.11	1.57	GRD	MG	Granodiorite with patchy weak potassic alteration.							
						MD	GY	PA	POT	2I		
						MD	PK					
142.11	142.61	0.50	GRD	MG	Phyllic halo on a quartz vein carrying pyrite and blebby-disseminated arsenopyrite.							
						LT	GN		PHC	3I	Py	1
											As	0.1
142.61	144.60	1.99	GRD	MG	Granodiorite with weak silicification causing quartz eyes to form, trace patchy potassic, and a phyllic halo on a banded quartz vein hosting pyrite, honey brown sphalerite, and arsenopyrite.							
						MD	GY		POT	1I	Sp	0.1
						LT	GN	PA	PHC	2I	Py	1
						LT	PK		SIL	2I	As	0.1
144.60	145.98	1.38	GRD	MG	Strongly phyllic altered granodiorite cut by quartz veinlets hosting disseminated pyrite.							
						LT	GN		PHC	4I	Py	0.1
145.98	150.54	4.56	GRD	MG	Granodiorite with patches of moderate potassic alteration of the groundmass. Potassic alteration partially blurs primary crystal texture.							
						MD	GY	PA	POT	2I		
						MD	PK					
150.54	151.80	1.26	GRD	MG	Granodiorite cut mineralized quartz veins with inner phyllic halos and outer argillic halos. Trace potassic in argillic halos. Disseminated pyrite in phyllic halos.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	GN		PHC	3I	Py	1
						LT	PK		ARG	2I		
						LT	WH		PHC	1I		
151.80	157.05	5.25	GRD	MG	Granodiorite with trace patchy potassic and silicification causing quartz eyes. Cut by few quartz and calcite veinlets, some of which carry pyrite.							
						MD	GY	PA	POT	1I	Py	0.1
						LT	PK		SIL	1I		
157.05	162.40	5.35	GRD	MG	Moderate-semi-pervasive potassic alteration with some chlorite development and recrystallization within the groundmass.							
						MD	GY	RX	POT	3I		
						MD	PK					
162.40	164.13	1.73	GRD	MG	Clay altered vein with inner phyllic and outer argillic halo and a potassic overprint in the argillic halo.							
						LT	GN		PHC	2I		
						LT	WH		POT	1I		
						LT	PK		ARG	1I		
164.13	165.03	0.90	GRD	MG	Strongly phyllic quartz-pyrite vein halo with silicification. Argillic and potassic outer halos.							
						LT	GN		PHC	4I	Py	1
						LT	PK		ARG	2I		
									POT	1I		
165.03	166.17	1.14	GRD	MG	Granodiorite with weak pervasive potassic alteration and few quartz eyes.							
						MD	GY		SIL	1I		
						LT	PK		POT	2I		
166.17	168.12	1.95	GRD	MG	Phyllic altered granodiorite with patchy potassic and crosscutting quartz veinlets with disseminated pyrite.							
						LT	PK		PHC	3I	Pg	0.1
						LT	GN		PHC	1I		
168.12	170.58	2.46	GRD	MG	Granodiorite with patches of moderate potassic alteration.							
						MD	GY		POT	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	PK					
170.58	174.11	3.53	GRD	MG	Granodiorite with patchy weak potassic alteration and silicification.							
						MD	GY		POT	2I		
						LT	PK		SIL	1I		
174.11	176.55	2.44	GRD	MG	Strong-moderately phyllic altered granodiorite cut by quartz-pyrite veins. Disseminated pyrite throughout the groundmass.							
						LT	GN		PHC	4I	Py	1
						LT	GY				Py	2
176.55	176.87	0.32	FLT	MG	Rubbly, faulted, clay altered granodiorite with weak oxide staining. Quartz-pyrite veining is present, but reduced to rubble.							
						LT	BN	RB	OXI	1I		
						LT	GY	FR	CLY	2I	Py	2
									PHC	3I		
176.87	177.80	0.93	GRD	MG	Granodiorite cut by banded grey-milky-smoky quartz veins hosting pyrite. These veins have narrow phyllic halos and outer argillic halos.							
						LT	GN		PHC	3I	Py	1
									ARG	1I	Py	3
177.80	178.36	0.56	GRD	MG	Granodiorite with weak potassic alteration.							
						MD	GY		POT	2I		
						LT	PK					
178.36	180.31	1.95	GRD	MG	Granodiorite cut by quartz-pyrite veinlets with inner phyllic and outer argillic halos.							
						LT	GN		PHC	3I	Py	0.1
						LT	WH		ARG	2I		
180.31	190.71	10.40	GRD	MG	Relatively fresh granodiorite with weak-moderate potassic/propylitic alteration. Occasional patches of phyllic in vein halos.							
						MD	GY	PA	POT	1I		
						MD	GN		PRO	2I		
						LT	PK					
190.71	191.71	1.00	GRD	MG	Granodiorite with argillic alteration and clay alteration along gouged lower contact with quartz feldspar porphyry dyke. Rubbly, fractured, crumbly recovery.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GN	RB	ARG	2I		
						MD	GY	FR	CLY	2I		
191.71	192.04	0.33	QFP	FG	Strongly hydrothermally altered quartz feldspar porphyry dyke.							
						LT	GY	PO	HYD	5I		
192.04	196.84	4.80	GRD	MG	Granodiorite with patchy weak phyllic, trace potassic, and weak argillic alteration.							
						LT	GN	PA	POT	1I		
						LT	PK		ARG	2I		
						LT	WH		PHC	2I		
196.84	197.20	0.36	VEN	CG	Massive quartz vein with wide bands of massive pyrite with blebby chalcopyrite intergrowth. A central band of milly quartz-carbonate is bordered by most significant mineralization: blebby blackjack and honey brown sphalerite (blackjack 75%, honey brown 25%) and blebby galena.							
						MD	BR	BN			Py	25
						LT	WH	MA			As	2
											Sp	3
											Cp	4
											Gn	3
197.20	197.38	0.18	VEN	MG	Strongly phyllic altered granodiorite hosting disseminated pyrite and cut by pyrite stringers/veinlets.							
						LT	GN		PHC	4I	Py	5
						LT	GY		ARG	1I	Py	5
197.38	197.68	0.30	VEN	CG	Vein breccia: Early stage quartz veining hosting massive pyrite and blebby chalcopyrite is brecciated by white quartz-carbonate that is accompanied by blebby galena, blackjack sphalerite, and honey brown sphalerite. (Blackjack 80%, honey brown 20%)							
						MD	BR				Cp	5
						LT	WH				Py	25
											Gn	2
											Sp	5

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
197.68	202.97	5.29	GRD	MG	Phyllic granodiorite cut by frequent quartz-pyrite veins and veinlets.							
						LT	GN		PHC	4I	Py	5
											Py	3
202.97	208.88	5.91	GRD	MG	Granodiorite with patchy alteration including narrow phyllic halos on occasional veinlets, weak potassic, weak argillic, and trace propylitic.							
						MD	GN	PA	PRO	1I		
						MD	GY		POT	2I		
						LT	PK		PHC	1I		
						LT	GN					
208.88	209.71	0.83	GRD	MG	Granodiorite with weak pervasive argillic.							
						LT	GN		ARG	2I		
						LT	WH					
209.71	220.82	11.11	GRD	MG	Granodiorite with patchy trace propylitic, potassic, and argillic alteration. Cut by rare quartz veinlets hosting disseminated pyrite and narrow phyllic halos.							
						MD	GY	PA	PRO	1I		
						MD	GN		POT	1I		
						LT	PK		PHC	1I		
						LT	GN		ARG	1I		
220.82	222.00	1.18	GRD	MG	Moderate phyllic-argillic alteration with some crumbling.							
						LT	GN	FR	PHC	2I	Py	0.1
						LT	WH		ARG	3I		
222.00	225.00	3.00	GRD	MG	Granodiorite with patchy trace potassic and weak sericite on fractures.							
						MD	GY	FR	SER	1I		
						LT	PK		POT	1I		
225.00	228.31	3.31	GRD	MG	Granodiorite with moderate phyllic and weak argillic alteration. Cut by several white carbonate-quartz veinlets.							
						LT	GN	FR	PHC	3I		
						LT	WH		ARG	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
228.31	231.04	2.73	GRD	MG	Moderate-strongly argillic altered granodiorite, with significant crumbling.							
						LT	WH	RB	ARG	4I		
						LT	GY	FR				
231.04	231.56	0.52	GRD	MG	Fresh granodiorite.							
						MD	GY					
231.56	234.21	2.65	GRD	MG	Granodiorite with patchy argillic and phyllic alteration. Crumbling in argillic alteration.							
						MD	GN		PHC	2I		
						LT	WH	FR	ARG	3I		
234.21	236.45	2.24	GRD	MG	Fresh granodiorite with patchy trace propylitic.							
						MD	GY	PA	PRO	1I		
						MD	GN					
236.45	238.38	1.93	GRD	MG	Moderate argillic and weak pervasive potassic.							
						LT	WH		ARG	3I		
						LT	PK		POT	2I		
238.38	239.96	1.58	GRD	MG	Granodiorite cut by several white-smoky quartz veins hosting pyrite.							
									PHC	4I	Py	3
239.96	243.33	3.37	GRD	MG	Granodiorite with patchy trace potassic, propylitic, and weak phyllic on rare crosscutting features.							
						MD	GY	PA	PRO	1I		
						MD	GN					
						LT	GN		POT	1I		
						LT	PK		PHC	1I		
243.33	245.97	2.64	GRD	MG	Moderate argillic altered granodiorite with crosscutting weakly banded quartz veinlets hosting blebby-disseminated pyrite. Phyllic halos on veinlets.							
						LT	GN		PHC	2I		
						LT	WH		ARG	3I	Py	2

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
1.52	8.93	7.41	GRD	MG	Moderate-strongly oxidized granodiorite with moderate fracturing. Some intervals have been nearly reduced to soil.							
						MD	BN	FR				
						MD	GY	RB	OXI	2I		
8.93	27.85	18.92	GRD	MG	Granodiorite with patchy argillic, phyllic, and propylitic alteration. Cut by quartz veinlets with trace pyrite. Weak-moderate oxide staining on fractures and in some gouged surfaces.							
						LT	BN		OXI	3I		
						LT	GN		PHC	2I		
						MD	GY	PA	PRO	2I	Li	2
						MD	GN	FR	ARG	2I		
27.85	27.98	0.13	QFP	FG	Light green quartz feldspar porphyry dyke with strong hydrothermal alteration and weak semi-pervasive oxide staining stemming from the contact planes.							
						LT	BN	PO	OXI	2I		
						LT	GN	AN	HYD	4I		
27.98	45.31	17.33	GRD	MG	Fresh granodiorite with patches of propylitic alteration and oxidation on fractures.							
						MD	GY		PRO	1I		
						LT	BN		OXI	2I		
45.31	47.51	2.20	GRD	MG	Weak-moderately phyllic altered granodiorite cut by two 4-5cm wide quartz veins with disseminated tourmaline. Tourmaline (var. schorl) is fine, sometimes occuring in radiating clusters 1-2mm in diameter. A single quartz veinlet carries honey brown sphalerite, pyrite, and disseminated arsenopyrite. Weak oxide staining on fracture surfaces.							
											Sp	0.1
						LT	BN				As	0.1
						MD	GY	PA	PHC	2I	To	0.1
						LT	GN		OXI	2I	Py	0.1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
47.51	58.73	11.22	GRD	MG	Relatively fresh granodiorite with patchy propylitic alteration and weak oxide staining on fractures.							
						MD	GY		OXI	2I		
						LT	BN		PRO	2I		
58.73	71.02	12.29	QFP	FG	Quartz feldspar porphyry dyke with several colour changes related to alteration. Strong pervasive hydrothermal alteration destroys primary crystal textures throughout, and larger phenocrysts are altered to clay. 1-5% clear quartz phenocrysts remain unaltered. Weak-moderate oxidation throughout, stronger near zones of fracturing and clay alteration. Low angle interfingered upper contact with gouge, and gouged lower contact.							
						LT	BN					
						MD	MR	RB	CLY	2I		
						MD	TN		OXI	3I		
						LT	GY	FR	HYD	5I		
71.02	71.96	0.94	VEN	MG	BRX vein zone with narrow veined phyllic granodiorite leading up to the main vein. BRX vein is polymetallic hosting pyrite, honey brown sphalerite, galena, and arsenopyrite. It has a wide cream-white-milky quartz carbonate vein along its lower selvedge, carrying disseminated-blebby galena, honey brown sphalerite, and arsenopyrite.							
											As	0.5
											Gn	1
						MD	BR				Sp	1
						MD	GY	BN	PHC	4I	Py	5
						LT	WH				Py	3
71.96	74.35	2.39	GRD	MG	Weak-moderate phyllic and propylitic altered granodiorite with few blurred quartz eyes and weak oxide staining along fracture surfaces. Patchy trace argillic alteration.							
						LT	GN		PHC	3I	Py	0.1
						LT	BN		ARG	1I		
									PHC	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
74.35	98.35	24.00	GRD	MG	Fresh granodiorite with occasional patches of weak propylitic alteration, weak potassic, and weak phyllic alteration around rare crosscutting veins.							
						LT	PK					
						MD	GN		PRO	1I		
						LT	GN		POT	1I		
						MD	GY	PA	PHC	1I		
98.35	109.33	10.98	GRD	MG	Granodiorite with patchy weak-moderate phyllic alteration, cut by quartz veins hosting pyrite. Some disseminated tourmaline is found in vein halos near 100m.							
											Py	0.1
						LT	GN	PA	PHC	3I	To	0.1
109.33	123.87	14.54	GRD	MG	Mostly fresh granodiorite with patches of phyllic alteration around few crosscutting veins with pyrite. Also patches of trace-weak potassic and propylitic alteration.							
						MD	GY	PA	PHC	2I		
									POT	1I		
						LT	GN		PRO	1I		
123.87	125.45	1.58	GRD	MG	Strongly phyllic altered granodiorite with several crosscutting mineralized veins. One vein breccia at 125m hosts blebby-disseminated pyrite and trace sphalerite.							
						LT	GN		PHC	3I	Py	0.1
125.45	130.51	5.06	GRD	MG	Granodiorite with patchy trace potassic/propylitic and phyllic halos on few crosscutting pyrite-bearing veins.							
						MD	GN	PA	PRO	1I		
						LT	GN		PHC	2I		
						LT	PK					
						MD	GY		POT	1I		
130.51	132.83	2.32	GRD	MG	Strongly phyllic altered granodiorite with patches of phyllic. Crosscut by a thinly banded quartz veinlet and a massive pyrite vein.							
											Py	0.5
						LT	GN	PA	PHC	4I	Py	2
132.83	135.04	2.21	VEN	MG	Two significant pyrite-bearing veins with strongly phyllic granodiorite inbetween.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	BR	BX	PHC	4I	Py	10
						LT	GN		ARG	1I	Py	5
135.04	137.02	1.98	GRD	MG	Phyllic vein halo on preceding massive pyrite vein. Cut by quartz veinlets/veins bearing pyrite, with stronger phyllic halos. Patchy argillic alteration near major pyrite vein. Single vein at 136.8m hosts honey brown sphalerite, galena, pyrite, and trace arsenopyrite.							
											As	0.1
											Gn	0.1
						LT	GN		PHC	3I	Py	2
									ARG	1I	Py	1
											Sp	0.1
137.02	174.11	37.09	GRD	MG	Generally fresh granodiorite with localized patches of phyllic alteration around crosscutting veinlets, most of which carry pyrite. Trace potassic and propylitic.							
						MD	GY	PA	PHC	2I	Py	0.1
						LT	GN		POT	1I		
									PRO	1I		
174.11	180.31	6.20	GRD	MG	Phyllic altered granodiorite cut by quartz veins/veinlets and a clay altered-faulted vein with sulphides.							
						LT	GN		CLY	2I	Py	1
						LT	GY		PHC	4I	Py	5
180.31	191.71	11.40	GRD	MG	Relatively fresh granodiorite with weak-moderate potassic/propylitic alteration. Occasional patches of phyllic in vein halos.							
						LT	PK					
						MD	GN		PRO	2I		
						MD	GY	PA	POT	1I		
191.71	192.04	0.33	QFP	FG	Strongly hydrothermally altered quartz feldspar porphyry dyke.							
						LT	GY	PO	HYD	5I		
192.04	196.84	4.80	GRD	MG	Granodiorite with patchy weak phyllic, trace potassic, and weak argillic alteration.							
						LT	GN	PA	POT	1I		
						LT	PK		ARG	2I		
						LT	WH		PHC	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
196.84	197.68	0.84	VEN	CG	The Pika Vein! Consists of two major veins, with an interlude of phyllic granodiorite.							
											Py	2
						MD	BR	BN	PHC	4I	As	1
											Py	2
											Gn	1
											Sp	1
											Cp	1
						LT	WH	MA			Py	5
197.68	202.97	5.29	GRD	MG	Phyllic granodiorite cut by frequent quartz-pyrite veins and veinlets.							
						LT	GN		PHC	4I	Py	5
											Py	3
202.97	245.97	43.00	GRD	MG	Granodiorite with patchy alteration including narrow phyllic halos on occasional veinlets, weak potassic, weak argillic, and trace propylitic.							
						LT	PK		PHC	2I		
						LT	WH		ARG	1I		
						MD	GN		POT	2I		
						MD	GY	PA	PRO	1I		

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
0.00	1.52	1.52	0	0	0.00	0	--	--	--	Casing
1.52	2.13	0.61	0.43	70	0.00	0	--	3H	2W	
2.13	5.18	3.05	1.56	51	0.20	7	--	3H	3W	
5.18	8.23	3.05	2.96	97	1.65	54	--	3H	3W	
8.23	11.28	3.05	2.99	98	1.94	64	--	3H	2W	
11.28	14.33	3.05	3.01	99	2.67	88	--	3H	2W	
14.33	17.37	3.04	3.01	99	2.68	88	--	4H	2W	
17.37	20.42	3.05	2.84	93	2.15	70	--	4H	2W	
20.42	23.47	3.05	3.05	100	2.70	89	--	4H	2W	
23.47	26.52	3.05	2.97	97	1.64	54	--	3H	2W	
26.52	29.57	3.05	3.05	100	2.20	72	--	3H	2W	
29.57	32.61	3.04	1.31	43	0.62	20	--	4H	1W	
32.61	35.66	3.05	2.71	89	1.27	42	--	4H	2W	
35.66	38.71	3.05	2.94	96	1.71	56	--	4H	1W	
38.71	41.76	3.05	2.83	93	1.48	49	--	4H	1W	
41.76	44.81	3.05	2.48	81	1.42	47	--	4H	1W	
44.81	47.85	3.04	2.72	89	1.01	33	--	3H	2W	
47.85	50.90	3.05	2.34	77	0.99	32	--	4H	2W	
50.90	53.95	3.05	2.19	72	0.93	30	--	2H	1W	
53.95	57.00	3.05	2.66	87	1.69	55	--	4H	1W	
57.00	60.05	3.05	2.54	83	1.11	36	--	3H	3W	
60.05	63.09	3.04	2.08	68	1.67	55	--	3H	1W	
63.09	66.14	3.05	2.38	78	0.43	14	--	3H	3W	
66.14	69.29	3.15	2.59	82	0.97	31	--	3H	2W	
69.29	72.24	2.95	2.58	87	1.50	51	--	4H	2W	
72.24	75.29	3.05	2.78	91	1.57	51	--	4H	1W	
75.29	78.33	3.04	2.88	95	2.18	72	--	4H	1W	
78.33	81.38	3.05	2.57	84	1.67	55	--	3H	1W	
81.38	84.43	3.05	2.8	92	2.02	66	--	4H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
84.43	87.48	3.05	2.59	85	2.37	78	--	4H	1W	
87.48	90.53	3.05	3.05	100	2.67	88	--	4H	1W	
90.53	93.57	3.04	2.81	92	1.81	60	--	4H	1W	
93.57	96.62	3.05	2.91	95	2.31	76	--	4H	1W	
96.62	99.67	3.05	2.98	98	1.70	56	--	4H	1W	
99.67	102.72	3.05	2.62	86	1.63	53	--	4H	1W	
102.72	105.77	3.05	3.01	99	1.58	52	--	3H	1W	
105.77	108.81	3.04	2.79	92	1.85	61	--	4H	1W	
108.81	111.87	3.06	2.54	83	1.92	63	--	4H	1W	
111.87	114.91	3.04	2.88	95	2.23	73	--	4H	1W	
114.91	117.96	3.05	3	98	2.18	71	--	4H	1W	
117.96	121.01	3.05	2.83	93	2.08	68	--	4H	1W	
121.01	124.05	3.04	2.49	82	1.88	62	--	4H	1W	
124.05	127.10	3.05	2.78	91	1.75	57	--	4H	1W	
127.10	130.15	3.05	2.7	89	1.66	54	--	4H	1W	
130.15	133.20	3.05	2.48	81	1.60	52	--	4H	1W	
133.20	136.24	3.04	2.26	74	1.10	36	--	4H	1W	
136.24	139.29	3.05	2.82	92	2.06	68	--	4H	1W	
139.29	142.34	3.05	2.98	98	2.66	87	--	4H	1W	
142.34	145.38	3.04	3	99	1.91	63	--	4H	1W	
145.38	148.43	3.05	2.63	86	1.92	63	--	3H	1W	
148.43	151.48	3.05	3.02	99	1.70	56	--	4H	1W	
151.48	154.53	3.05	2.84	93	1.77	58	--	4H	1W	
154.53	157.58	3.05	2.45	80	1.49	49	--	4H	1W	
157.58	160.62	3.04	2.75	90	2.03	67	--	4H	1W	
160.62	163.68	3.06	3.03	99	2.01	66	--	4H	1W	
163.68	166.73	3.05	3.05	100	2.37	78	--	3H	1W	
166.73	169.77	3.04	2.95	97	1.23	40	--	3H	1W	
169.77	172.82	3.05	2.88	94	0.92	30	--	4H	1W	
172.82	175.87	3.05	3.02	99	2.08	68	--	3H	1W	
175.87	178.92	3.05	2.85	93	2.65	87	--	3H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
178.92	182.00	3.08	2.97	96	2.32	75	--	4H	1W	
182.00	185.01	3.01	3	100	2.93	97	--	4H	1W	
185.01	188.06	3.05	2.95	97	2.57	84	--	4H	1W	
188.06	191.11	3.05	2.73	90	1.83	60	--	3H	1W	
191.11	194.16	3.05	2.9	95	1.60	52	--	3H	1W	
194.16	197.20	3.04	3	99	2.79	92	--	3H	1W	
197.20	200.25	3.05	2.97	97	2.50	82	--	3H	1W	
200.25	203.30	3.05	2.96	97	2.22	73	--	3H	1W	
203.30	206.35	3.05	3	98	2.73	90	--	4H	1W	
206.35	209.40	3.05	3	98	2.03	67	--	4H	1W	
209.40	212.49	3.09	2.81	91	2.67	86	--	4H	1W	
212.49	215.49	3.00	3	100	2.59	86	--	4H	1W	
215.49	218.54	3.05	2.99	98	2.21	72	--	4H	1W	
218.54	221.59	3.05	2.98	98	2.37	78	--	4H	1W	
221.59	224.64	3.05	2.85	93	1.21	40	--	4H	1W	
224.64	227.68	3.04	2.88	95	1.08	36	--	3H	1W	
227.68	230.73	3.05	2.1	69	0.24	8	--	3H	1W	
230.73	233.78	3.05	2.94	96	1.43	47	--	3H	1W	
233.78	236.83	3.05	2.92	96	2.27	74	--	4H	1W	
236.83	239.88	3.05	2.56	84	2.13	70	--	3H	1W	
239.88	242.43	2.55	2.55	100	1.93	76	--	4H	1W	
242.43	245.97	3.54	2.94	83	2.30	65	--	4H	1W	

KL-15-244

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
0.00	0.00	0.00	-QC-	0.00	0	R498859	☐	15-011			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R498863	☐	15-011			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R498870	☐	15-011		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R498887	☐	15-013			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R498890	☐	15-013		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R498896	☐	15-013		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R498904	☐	15-013			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R498850	☐	15-011		KL-STD5	☐	☐	☐
46.49	47.01	0.52	GRD	0.52	100	R498841	☐	15-007			☐	☐	☐
71.02	71.33	0.31	QFP, VEN	0.31	100	R498842	☐	15-007			☐	☐	☐
71.33	71.96	0.63	VEN	0.63	100	R499237	☐	15-023	HG 2		☐	☐	☐
71.96	72.81	0.85	GRD, VEN	0.82	96	R498843	☐	15-007			☐	☐	☐
72.81	74.75	1.94	GRD	1.72	89	R498844	☐	15-007			☐	☐	☐
74.75	76.34	1.59	GRD	1.59	100	R498845	☐	15-011			☐	☐	☐
76.34	78.45	2.11	GRD	1.98	94	R498846	☐	15-011			☐	☐	☐
76.34	78.45	2.11	GRD	1.98	94	R498847	☐	15-011			☐	☑	☐
78.45	80.06	1.61	GRD	1.56	97	R498848	☐	15-011			☐	☐	☐
80.06	81.51	1.45	GRD	1.16	80	R498849	☐	15-011			☐	☐	☐
81.51	83.14	1.63	GRD	1.26	77	R498851	☐	15-011			☐	☐	☐
99.02	99.89	0.87	GRD	0.81	93	R498852	☐	15-011			☐	☐	☐
99.89	101.93	2.04	GRD	1.91	94	R498853	☐	15-011			☐	☐	☐
101.93	102.23	0.30	GRD	0.30	100	R499238	☐	15-023	HG 2		☐	☐	☐
102.23	102.72	0.49	GRD	0.49	100	R498854	☐	15-011			☐	☐	☐
102.72	103.54	0.82	GRD	0.72	88	R498855	☐	15-011			☐	☐	☐
103.54	104.62	1.08	GRD	0.95	88	R498856	☐	15-011			☐	☐	☐
104.62	105.40	0.78	GRD	0.64	82	R498857	☐	15-011			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
105.40	106.19	0.79	GRD	0.77	97	R498858	☐	15-011			☐	☐	☐
106.19	107.41	1.22	GRD	1.21	99	R498860	☐	15-011			☐	☐	☐
107.41	109.13	1.72	GRD	1.52	88	R498861	☐	15-011			☐	☐	☐
123.87	125.23	1.36	GRD, GRD	1.23	90	R498862	☐	15-011			☐	☐	☐
125.23	128.09	2.86	GRD	2.42	85	R498864	☐	15-011			☐	☐	☐
128.09	129.22	1.13	GRD	1.08	96	R498865	☐	15-011			☐	☐	☐
129.22	130.57	1.35	GRD	1.35	100	R498866	☐	15-011			☐	☐	☐
129.22	130.57	1.35	GRD	1.35	100	R498867	☐	15-011			☐	☐	☑
130.57	131.70	1.13	GRD	1.13	100	R498868	☐	15-011			☐	☐	☐
131.70	132.83	1.13	GRD	0.90	80	R498869	☐	15-011			☐	☐	☐
132.83	133.30	0.47	GRD, VEN	0.30	64	R499240	☐	15-023	HG 2		☐	☐	☐
133.30	134.73	1.43	VEN	1.19	83	R499241	☐	15-023	HG 2		☐	☐	☐
133.30	134.73	1.43	VEN	1.19	83	R499242	☐	15-023	HG 2		☐	☐	☑
134.73	135.28	0.55	VEN	0.54	98	R499243	☐	15-023	HG 2		☐	☐	☐
135.28	136.93	1.65	GRD	1.27	77	R498871	☐	15-011			☐	☐	☐
136.93	137.92	0.99	GRD	0.99	100	R498872	☐	15-011			☐	☐	☐
137.92	140.14	2.22	GRD	2.18	98	R498873	☐	15-011			☐	☐	☐
140.14	140.54	0.40	GRD	0.40	100	R498874	☐	15-011			☐	☐	☐
140.54	142.26	1.72	GRD	1.72	100	R498875	☐	15-011			☐	☐	☐
142.26	142.55	0.29	GRD	0.29	100	R498876	☐	15-011			☐	☐	☐
142.55	143.83	1.28	GRD	1.28	100	R498877	☐	15-011			☐	☐	☐
143.83	144.14	0.31	GRD	0.28	90	R498878	☐	15-011			☐	☐	☐
144.14	145.98	1.84	GRD	1.84	100	R498879	☐	15-011			☐	☐	☐
145.98	146.85	0.87	GRD	0.85	98	R498880	☐	15-011			☐	☐	☐
146.85	148.43	1.58	GRD	1.57	99	R498881	☐	15-013			☐	☐	☐
148.43	150.54	2.11	GRD	2.06	98	R498882	☐	15-013			☐	☐	☐
148.43	150.54	2.11	GRD	2.06	98	R498883	☐	15-013			☐	☑	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
150.54	151.03	0.49	GRD	0.48	98	R498884	☐	15-013			☐	☐	☐
151.03	151.80	0.77	GRD	0.77	100	R498885	☐	15-013			☐	☐	☐
164.27	164.64	0.37	GRD	0.30	81	R498886	☐	15-013			☐	☐	☐
164.64	166.67	2.03	GRD	1.95	96	R498888	☐	15-013			☐	☐	☐
166.67	168.02	1.35	GRD	1.35	100	R498889	☐	15-013			☐	☐	☐
168.02	170.58	2.56	GRD	2.33	91	R498891	☐	15-013			☐	☐	☐
170.58	172.82	2.24	GRD	2.14	96	R498892	☐	15-013			☐	☐	☐
170.58	172.82	2.24	GRD	2.14	96	R498893	☐	15-013			☐	☐	☑
172.82	174.75	1.93	GRD	1.89	98	R498894	☐	15-013			☐	☐	☐
174.75	175.35	0.60	GRD	0.60	100	R498895	☐	15-013			☐	☐	☐
175.35	176.55	1.20	GRD	1.20	100	R498897	☐	15-013			☐	☐	☐
176.55	176.87	0.32	GRD	0.24	75	R498898	☐	15-013			☐	☐	☐
176.87	177.62	0.75	GRD	0.73	97	R498899	☐	15-013			☐	☐	☐
177.62	178.36	0.74	GRD	0.70	95	R498900	☐	15-013			☐	☐	☐
178.36	180.31	1.95	GRD	1.95	100	R498901	☐	15-013			☐	☐	☐
195.65	196.84	1.19	GRD	1.19	100	R498902	☐	15-013			☐	☐	☐
196.84	197.68	0.84	GRD, VEN	0.81	96	R499244	☐	15-023	HG 2		☐	☐	☐
197.68	198.59	0.91	GRD, VEN	0.77	85	R498903	☐	15-013			☐	☐	☐
198.59	199.77	1.18	GRD	1.18	100	R498905	☐	15-013			☐	☐	☐
199.77	201.05	1.28	GRD	1.24	97	R498906	☐	15-013			☐	☐	☐
201.05	202.25	1.20	GRD	1.07	89	R498907	☐	15-013			☐	☐	☐
238.71	239.45	0.74	GRD	0.72	97	R498908	☐	15-013			☐	☐	☐

Klaza - Klaza Project

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		382941	6889004	1422.33	287.43

ZONE: Eastern BRX

SECTION:

HOLE: KL-15-245

CLAIM:

Contractor: Platinum

Drill: 1

Core Size: HQ

Casing Depth: 3m, Out

Drilling Dates: Jun 13 - Jun 17, 2015

Geology Logged By: T. Cruz

SURVEY			
Depth (m)	Azimuth	Dip	Method
11.27	39.6	-50.4	Reflex
285.59	40.8	-51.3	Reflex

TARGET:

SUMMARY			
From (m)	To (m)	Interval (m)	Rock Type
0	3	3	CAS
3	11.32	8.32	QFP
11.32	17.52	6.2	GRD
17.52	24.44	6.92	QFP
24.44	25.13	0.69	GRD
25.13	28.38	3.25	QFP
28.38	31.38	3	GRD
31.38	32.04	0.66	QFP
32.04	44.31	12.27	GRD
44.31	50.14	5.83	QFP
50.14	57.72	7.58	GRD
57.72	74.28	16.56	QFP
74.28	75.39	1.11	GRD
75.39	85.4	10.01	GRD
85.4	91.11	5.71	GRD
91.11	91.37	0.26	VEN

SAMPLES	
Numbers:	R498909 to R498992, R499248 to R499258, R610751 to R610760
Total:	105
Batch:	013, 015, 016, 017, 023, 040
Certificates:	WH15088819, WH15088820, WH15090617, WH15092110, WH15092136, WH15095305, WH15100414

COMMENTS
BRX hanging wall/foot wall at 150-160m; Pika at 263-275m

91.37	95	3.63	QFP
95	136.15	41.15	GRD
136.15	145.36	9.21	GRD
145.36	146.24	0.88	QFP
146.24	153.11	6.87	GRD
153.11	157.37	4.26	QFP
157.37	163.83	6.46	GRD
163.83	166.42	2.59	QFP
166.42	166.93	0.51	VEN
166.93	168.24	1.31	GRD
168.24	185.6	17.36	GRD
185.6	189.03	3.43	GRD
189.03	223.96	34.93	GRD
223.96	225.82	1.86	GRD
225.82	249.02	23.2	GRD
249.02	251.41	2.39	GRD
251.41	263.38	11.97	GRD
263.38	275.3	11.92	GRD
275.3	277.85	2.55	GRD
277.85	281.25	3.4	GRD
281.25	287.43	6.18	GRD

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
3.00	7.16	4.16	QFP	FG	Pervasively oxide stained quartz feldspar porphyry dyke with significant fracturing. Narrow bands of dentritic goethite perpendicular to 50% of fractures.							
						MD	BN	FR	OXI	4I	Go	1
								RB	HYD	4I		
7.16	8.11	0.95	QFP	FG	Quartz feldspar porphyry dyke with netted clay alteration in fine stringers. Moderate, semi-pervasive oxide staining.							
						LT	GY	NE	OXI	3I		
						LT	BN	FR	HYD	4I		
8.11	11.32	3.21	QFP	FG	Pervasively oxide stained quartz feldspar porphyry dyke with significant fracturing. Narrow bands of dentritic goethite perpendicular to 70% of fractures.							
						MD	BN		HYD	4I		
						LT	GY	FR	OXI	4I	Go	2
11.32	17.52	6.20	GRD	MG	Pervasive moderately argillic altered granodiorite with weak-moderate oxide staining stemming from fractures. Patchy weak potassic throughout.							
						LT	WH		ARG	3I		
						LT	PK		OXI	2I		
						LT	BN		POT	1I		
17.52	24.44	6.92	QFP	FG	Strongly hydrothermally altered quartz feldspar porphyry dyke with 20% softened clasts. Semi-pervasive oxide staining, strongest around fractures.							
						MD	BN		OXI	3I		
						LT	TN	PO	HYD	4I		
24.44	25.13	0.69	GRD	MG	Phyllic-argillic altered granodiorite with crosscutting quartz-pyrite veinlets. Weak oxide staining stemming from fractures.							
						LT	WH		ARG	3I	Py	0.1
						LT	GN		PHC	3I		
						LT	BN		OXI	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
25.13	28.38	3.25	QFP	MG	Hydrothermally altered quartz feldspar porphyry dyke with 25% phenocryst texture remaining. Weak oxidation along fractures.							
						MD	TN	PO	HYD	4I		
						LT	BN	FR	OXI	2I		
28.38	31.14	2.76	GRD	MG	Weak phyllic with patchy propylitic alteration. Phyllic is strongest around crosscutting veinlets. One smoky quartz breccia at quartz feldspar porphyry dyke contact hosts disseminated pyrite.							
						MD	GN	PA	PHC	3I	Py	0.1
						LT	GN		PRO	1I		
31.14	31.38	0.24	BXA	FG	Smoky quartz breccia at quartz feldspar porphyry dyke contact. Consists of 30% poorly sorted, subangular phyllic granodiorite clasts and 70% smoky quartz matrix. Smoky quartz hosts disseminated pyrite.							
						LT	GN					
						DK	BK	BX	PHC	2I	Py	2
31.38	32.04	0.66	QFP	FG	Strongly hydrothermally altered quartz feldspar porphyry dyke with weak oxide staining stemming from fractures.							
						LT	GN	PO	OXI	2I		
						LT	BN		HYD	4I		
32.04	44.31	12.27	GRD	MG	Granodiorite with phyllic-argillic alteration near quartz feldspar porphyry dyke contacts. Central granodiorite shows weak-trace propylitic/potassic alteration. Cut by some quartz-pyrite veins at 39-42m with phyllic halos.							
						MD	GY	PA	ARG	3I	Py	0.1
						MD	GN		PHC	2I		
						LT	GN		PRO	1I		
						LT	WH		POT	2I		
						LT	PK					
44.31	50.14	5.83	QFP	FG	Strongly hydrothermally altered quartz feldspar porphyry dyke with 30% visible altered phenocrysts. Some quartz phenocrysts have <1mm alteration halos. Weak oxide staining around fractures.							
						LT	TN		HYD	4I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	MR		OXI	1I		
						LT	BN					
50.14	57.72	7.58	GRD	MG	Granodiorite with moderate argillic alteration with patchy potassic and phyllic in vein halos. Cut by a pair of magnetite veinlets. Weak-trace oxide staining on fractures.							
						LT	WH	PA	ARG	3I		
						LT	BN		OXI	1I		
									PHC	2I		
57.72	74.28	16.56	QFP	FG	Strong, pervasive, hydrothermally altered quartz feldspar porphyry dyke. Rubbly and intensely fractured near granodiorite contacts, with moderate oxide staining. Phenocrysts are entirely converted to clay, except for quartz.							
						LT	TN	PO	HYD	4I		
						LT	MR		OXI	1I		
						LT	BN					
74.28	75.39	1.11	GRD	MG	Moderate argillic alteration with weak potassic overprint. Weak-trace oxide staining on fractures.							
						LT	PK		OXI	1I		
						LT	BN		POT	1I		
						LT	WH		ARG	4I		
75.39	77.37	1.98	GRD	MG	Fresh granodiorite with phyllic vein halos and weak oxide staining on fractures.							
						MD	GY		PHC	2I		
						LT	GN		OXI	1I		
						LT	BN					
77.37	78.44	1.07	GRD	MG	Patch of weak argillic and trace potassic alteration.							
						LT	WH		POT	1I		
						LT	PK		ARG	2I		
78.44	79.48	1.04	GRD	MG	Fresh granodiorite.							
						MD	GY					
79.48	81.17	1.69	GRD	MG	Moderate phyllic alteration with outer argillic halo on a crustiform-colloform quartz vein hosting pyrite. Weak oxide staining on fractures.							
						LT	GY		PHC	3I	Py	2

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	GN		OXI	1I		
						LT	BN		ARG	2I		
81.17	81.80	0.63	GRD	MG	Fresh granodiorite.							
						MD	GY					
81.80	83.24	1.44	GRD	MG	Phyllic alteration on few quartz-pyrite veins. Weak oxide staining on fractures.							
						LT	GY		ARG	1I		
						LT	BN		OXI	1I		
						LT	GN		PHC	2I	Py	0.1
83.24	85.40	2.16	GRD	MG	Fresh granodiorite.							
						MD	GY					
85.40	91.11	5.71	GRD	MG	Mineralized granodiorite with several veins. Veins has zoned halos: inner phyllic and outer argillic. These halos result in rapidly changing alteration of granodiorite. Trace potassic overprint in argillic, and trace-weak oxide staining on fractures. Disseminated pyrite is found in phyllic halos. Veining is quartz-pyrite and netted chalcedony. Vein breccia along quartz feldspar porphyry dyke contact.							
						LT	GN	PA	PHC	3I	Py	1
						LT	WH		ARG	2I		
						LT	BN		OXI	1I		
						LT	PK		POT	1I		
91.11	91.37	0.26	VEN	MG	Vein breccia at the quartz feldspar porphyry dyke contact. Smoky quartz hosting disseminated-blebby pyrite brecciates both phyllic granodiorite and quartz feldspar porphyry dyke. Some netted white quartz-carbonate veinlets adjacent to the contact. Weak oxide staining along healed fractures.							
						LT	BN	NE	OXI	1I	Py	4
						LT	GN					
						DK	GY	BX	PHC	3I	Py	4
91.37	95.00	3.63	QFP	FG	Light green, strongly hydrothermally altered quartz feldspar porphyry dyke with altered phenocrysts. Weak-moderate oxide staining stemming outwards from fractures. Cut by white quartz-carbonate veins and veinlets that are often netted.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	GN	PO	HYD	4I		
						LT	BN		OXI	2I		
95.00	97.37	2.37	GRD	MG	Phyllic altered granodiorite with milky-smoky quartz veins hosting pyrite.							
						LT	GN		PHC	3I	Py	2
97.37	99.43	2.06	GRD	MG	Relatively fresh granodiorite with trace phyllic on fractures.							
						MD	GY		PHC	1I		
						LT	GN					
99.43	101.40	1.97	GRD	MG	Strong-moderately phyllic altered granodiorite in a halo around a single banded quartz-pyrite vein.							
						LT	GN		PHC	3I	Py	1
101.40	102.16	0.76	GRD	MG	Granodiorite with trace propylitic alteration.							
						MD	GY		PRO	1I		
						MD	GN					
102.16	106.60	4.44	GRD	MG	Moderately phyllic altered granodiorite cut by several mineralized veins, one especially well textured at 105.60m. Weak argillic patches.							
						LT	GN		PHC	3I	Py	2
									ARG	1I	Py	1
											Sp	0.1
106.60	108.84	2.24	GRD	MG	Granodiorite with patches of trace propylitic and potassic alteration.							
						MD	GY		PRO	1I		
						MD	GN		POT	1I		
						LT	PK					
108.84	110.18	1.34	GRD	MG	Moderate pervasive argillic and weak potassic alteration.							
						LT	PK		POT	2I		
						LT	WH		ARG	3I		
110.18	112.79	2.61	GRD	MG	Phyllic-argillic altered halo around quartz-pyrite vein at 111.9m.							
						LT	WH		ARG	1I		
						LT	GN		PHC	3I	Py	1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
112.79	116.36	3.57	GRD	MG	Granodiorite cut by milky quartz veinlets/veins with disseminated pyrite and narrow phyllic halos.							
						MD	GY					
						LT	GN		PHC	2I	Py	0.1
116.36	118.53	2.17	GRD	MG	Phyllic and argillic halo on two wider banded quartz veins with disseminated pyrite.							
						LT	GN		PHC	3I	Py	1
						LT	WH		ARG	2I		
118.53	118.79	0.26	GRD	MG	Crumbled, argillic altered granodiorite.							
						LT	GY	RB	ARG	2I		
118.79	120.12	1.33	GRD	MG	Phyllic and argillic altered granodiorite around a gouge zone. Lacy clay alteration develops through the granodiorite.							
						LT	GN		OXI	1I		
						LT	WH		PHC	2I		
						LT	BN		ARG	3I		
120.12	122.46	2.34	GRD	MG	Granodiorite with trace propylitic alteration.							
						MD	GY		PRO	1I		
						MD	GN					
122.46	124.94	2.48	GRD	MG	Phyllic and argillic halo on a dark grey quartz breccia at 123.3m. Disseminated pyrite in phyllic.							
						LT	GN		PHC	3I	Py	1
						LT	WH		ARG	2I		
124.94	132.79	7.85	GRD	MG	Generally fresh granodiorite with wide phyllic halos on few quartz-pyrite veins. Trace potassic.							
						MD	GY	PA	PHC	2I	Py	0.1
						LT	GN		POT	1I		
						LT	PK					
132.79	135.22	2.43	GRD	MG	Proximal phyllic and distal argillic halo on a massive calcite vein.							
						LT	GN		PHC	2I	Py	0.1
						LT	WH		ARG	2I		
135.22	136.15	0.93	GRD	MG	Granodiorite with weak-trace propylitic and potassic alteration.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GN		PRO	2I		
						LT	PK		POT	1I		
136.15	141.41	5.26	GRD	MG	Mostly argillic-potassic altered granodiorite with phyllic alteration mostly restricted to narrow vein halos. Veins are quartz-carbonate with blebby-massive pyrite, and disseminated pyrite is found in phyllic halos.							
						LT	GN	PA	PHC	2I	Py	0.1
						LT	WH		ARG	3I		
						LT	PK		POT	2I		
141.41	142.34	0.93	GRD	MG	Granodiorite with weak propylitic and potassic alteration.							
						MD	GN		PRO	2I		
						LT	PK		POT	1I		
142.34	145.36	3.02	GRD	MG	Proximal phyllic and distal argillic vein halos on white carbonate-quartz-pyrite veins. Cut by smoky quartz stringers. Disseminated pyrite in phyllic alteration. Sharp lower contact with quartz feldspar porphyry dyke.							
						LT	WH		ARG	2I		
						LT	GN		PHC	3I	Py	0.1
145.36	146.24	0.88	QFP	FG	Strongly hydrothermally altered granodiorite with a weak sense of flow-orientation in phenocrysts and chilled margins. Sharp top and bottom contacts with granodiorite. Light green with unaltered 2% quartz phenocrysts.							
						LT	GN	PO	HYD	4I		
146.24	148.66	2.42	GRD	MG	Moderately phyllic altered granodiorite with quartz-carbonate veinlets and disseminated pyrite in groundmass.							
						LT	GN		PHC	3I	Py	0.1
148.66	151.71	3.05	GRD	MG	Patchy weak propylitic, phyllic, and argillic alteration related to few stringers/veinlets. Patch of concentrated blebby hematite and pyrite at 149.7m.							
						MD	GY		PRO	2I	Py	0.1
						LT	GN	PA	PHC	2I	He	0.1
						LT	WH		ARG	1I		
						LT	PK		POT	1I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
151.71	153.11	1.40	GRD	MG	Strongly phyllic altered mineralized zone adjacent to the brecciated quartz feldspar porphyry dyke contact. Cut by high frequency of polymetallic veins. The contact with quartz feldspar porphyry dyke is brecciated, then pervasively clay altered.							
						MD	GY		CLY	2I	Py	1
						LT	GN	BX	PHC	4I	Py	3
											As	0.1
											Sp	0.1
153.11	157.37	4.26	QFP	FG	LIght green-grey quartz feldspar porphyry dyke with strong hydrothermal alteration. Clay alteration near contacts with granodiorite.							
						LT	GN	PO	HYD	4I		
						LT	GY					
157.37	163.83	6.46	GRD	MG	Phyllic altered granodiorite cut by mineralized veins with strong-moderate halos. Patchy argillic intermediate to halos. Polymetallic vein at 161.7m. Disseminated pyrite throughout groundmass, and cut by many pyrite stringers.							
						LT	GN		PHC	4I	Py	5
						LT	GY		ARG	2I		
163.83	166.42	2.59	QFP	FG	Light green quartz feldspar porphyry dyke with clay alteration along healed fractures. Weak chill at contacts. All phenocrysts (except quartz) are altered.							
						LT	GN	PO	HYD	4I		
166.42	166.56	0.14	BXA	FG	Dark grey quartz-carbonate brecciates phyllic granodiorite along quartz feldspar porphyry dyke and granodiorite contact. Matrix is clay altered, and hosts disseminated pyrite. Granodiorite clasts also host blebby pyrite.							
						LT	GY					
						DK	GY	BX	CLY	2I	Py	3
166.56	166.93	0.37	VEN	MG	Massive quartz vein with bands of massive pyrite. Bands/blebby galena and honey brown sphalerite are concentrated along selvedges. Disseminated arsenopyrite is found adjacent to galena and sphalerite.							
						MD	BR				Gn	2
						LT	WH	BN			Py	10
											Sp	2

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
											As	1
166.93	168.24	1.31	GRD	MG	Strongly phyllic altered granodiorite cut by frequent pyrite stringers, and hosting disseminated pyrite in groundmass.							
						LT	GN		PHC	4I	Py	2
											Py	1
168.24	185.60	17.36	GRD	MG	Unaltered (or patchy weak propylitic and potassic) granodiorite.							
						MD	GY		PRO	1I		
									POT	1I		
185.60	189.03	3.43	GRD	MG	Granodiorite cut by mineralized quartz veins (generally pyrite). Veins have proximal phyllic and distal argillc halos. With trace potassic alteration in argillic.							
						LT	WH		POT	1I	Py	1
						LT	PK		PHC	3I	Py	1
						LT	GN		ARG	2I		
189.03	192.56	3.53	GRD	MG	Granodiorite with patchy trace-weak propylitic and potassic alteration. Some veins/stringers are accompanied by propylitic alteration.							
						MD	GN	PA	POT	1I		
						MD	GY		PRO	2I		
						LT	PK					
192.56	194.41	1.85	GRD	MG	Broad alteration halo on a vuggy quartz-carbonate vein. Outer halo is weak-moderate propylitic, proximal halo is moderate phyllic. Trace disseminated pyrite in phyllic.							
						MD	GN		PRO	2I		
						LT	GN		PHC	2I	Py	0.1
194.41	196.37	1.96	GRD	MG	Weak phyllic halos on quartz-blebby pyrite veins, with darker quartz adjacent to selvedges.							
						MD	GN		PHC	2I	Py	0.1
						LT	GN					
196.37	204.90	8.53	GRD	MG	Fresh granodiorite, with patchy weak-trace propylitic and potassic alteration. Cut by occasional quartz-pyrite veinlets, with little-no phyllic halos.							
						MD	GY	PA	PRO	1I	Py	0.1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GN		POT	1I		
						LT	PK		PHC	1I		
204.90	206.59	1.69	GRD	MG	Moderate-strongly phyllic altered granodiorite around quartz-pyrite-sphalerite veins and veinlets. Cut by white quartz-carbonate veinlets/stringers.							
						LT	GN		PHC	3I	Py	1
											Sp	0.1
206.59	212.37	5.78	GRD	MG	Fresh granodiorite with patches of trace potassic and propylitic alteration. Cut by 4 quartz-pyrite veins.							
						MD	GY		PRO	1I	Py	0.1
						MD	GN		POT	1I		
						LT	PK					
212.37	214.47	2.10	GRD	MG	Weak-moderate pervasive propylitic alteration around a pair of quartz-pyrite veins with trace phyllic halos.							
						MD	GN		PRO	3I	Py	0.1
									PHC	1I		
214.47	223.96	9.49	GRD	MG	Fresh granodiorite with patchy trace propylitic and potassic alteration. Cut by carbonate-hematite-pyrite stringers/veinlets.							
						MD	GY	PA	PRO	1I	Py	0.1
						MD	GN		POT	1I	He	0.1
						LT	PK					
223.96	225.82	1.86	GRD	MG	Phyllic-argillic halo on a smoky quartz breccia hosting phyllic granodiorite and quartz-carbonate vein clasts. Cut by narrow carbonate veinlets/stringers.							
						LT	GY		ARG	2I	Py	1
						LT	GN		PHC	3I		
225.82	238.00	12.18	GRD	MG	Fresh granodiorite with patches of trace propylitic and potassic alteration. Narrow phyllic halos on quartz-carbonate-pyrite veins and stringers.							
						MD	GY		PRO	1I	Py	0.1
						MD	GN		POT	1I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	PK					
238.00	238.77	0.77	GRD	MG	Moderate argillic and weak potassic altered granodiorite around a vuggy quartz-carbonate veinlet.							
						LT	WH		ARG	3I		
						LT	PK		POT	2I		
238.77	244.40	5.63	GRD	MG	Fresh granodiorite with trace-weak potassic alteration.							
						MD	GY		POT	2I		
						LT	PK					
244.40	246.54	2.14	GRD	MG	Patchy overprinting argillic, phyllic, propylitic, and potassic alterations. Argillic is dominant, while the other alterations are trace.							
						MD	GN		POT	2I		
						LT	WH	PA	ARG	3I		
						LT	PK		PHC	1I		
						LT	GN		PRO	1I		
246.54	249.02	2.48	GRD	MG	Granodiorite with weak pervasive potassic and trace propylitic alteration.							
						MD	GY		POT	2I		
						MD	GN		PRO	1I		
						LT	PK					
249.02	251.41	2.39	GRD	MG	Strong phyllic and patchy argillic granodiorite with fracturing and disseminated pyrite throughout. Rubbly section is cut by carbonate veinlets with pyrite.							
						LT	GN	RB	PHC	4I	Py	1
						LT	GY	FR	ARG	2I		
251.41	255.36	3.95	GRD	MG	Weakly phyllic and potassic altered granodiorite with trace disseminated pyrite.							
						MD	GY		POT	1I		
						LT	GN	PA	PHC	2I	Py	0.1
						LT	PK					
255.36	263.38	8.02	GRD	MG	Granodiorite with weak-trace propylitic and potassic alteration. Short intervals of phyllic/argillic alteration around quartz-carbonate veins with pyrite.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GY	PA	PHC	2I		
						LT	PK		POT	1I		
						LT	GN		PRO	1I		
263.38	263.86	0.48	VEN	MG	Phyllic granodiorite around Pika Vein 1 (263.52-263.59m) is massive pyrite and chalcopyrite along the centre.							
						MD	BN				Cp	2
						LT	GN	MA	PHC	3I	Py	10
263.86	265.10	1.24	GRD	MG	Granodiorite with weak potassic and phyllic alteration.							
						MD	GY		PHC	2I	Py	0.1
						LT	GN		POT	1I		
						LT	PK					
265.10	265.75	0.65	GRD	MG	Strong phyllic alteration cut by quartz-pyrite veins.							
						LT	GN		PHC	4I	Py	3
						LT	WH				Py	3
265.75	265.98	0.23	VEN	MG	Pika Vein 2: Massive pyrite with interstitial-massive chalcopyrite. Disseminated-blebby arsenopyrite and blackjack sphalerite along outer borders of pyrite. Weak clay alteration along borders.							
						MD	BR				Cp	5
						DK	GY	MA	CLY	1I	Py	10
											Sp	1
											As	0.1
265.98	270.20	4.22	GRD	MG	Strong phyllic altered granodiorite with pervasive disseminated pyrite and crosscutting quartz-pyrite stringers.							
						LT	GN		PHC	4I	Py	3
270.20	270.36	0.16	VEN	MG	Pika Vein 3: Massive quartz-pyrite vein.							
						MD	BR					
						LT	WH	MA			Py	40

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
270.36	273.27	2.91	GRD	MG	Strong phyllic granodiorite with disseminated pyrite throughout, and cut by quartz-pyrite veins. Patchy weak argillic.							
						LT	GN		PHC	4I	Py	3
						LT	WH		ARG	2I	Py	3
273.27	273.53	0.26	GRD	MG	Strongly phyllic altered granodiorite with significant blebby pyrite throughout the groundmass. Cut by carbonate and pyrite stringers.							
						LT	GN		PHC	5I	Py	10
273.53	275.30	1.77	GRD	MG	Strong-moderate phyllic altered granodiorite with disseminated pyrite in groundmass. Crosscut by pyrite-quartz veinlets and stringers.							
						LT	GN		PHC	4I	Py	2
											Py	2
275.30	277.85	2.55	GRD	MG	Granodiorite with weak potassic and propylitic alteration.							
						MD	GN		PRO	1I		
						MD	GY		POT	1I		
						LT	PK					
277.85	281.25	3.40	GRD	MG	Moderate phyllic altered granodiorite cut by quartz-pyrite +/- trace other sulphides. Patchy weak argillic and potassic.							
						LT	GN	PA	PHC	4I	Py	1
						LT	WH		ARG	2I		
						LT	PK		POT	1I		
281.25	287.43	6.18	GRD	MG	Granodiorite with patchy weak-trace potassic and propylitic.							
						MD	GY	PA	PRO	1I		
						MD	GN					
						LT	PK		POT	1I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
3.00	11.32	8.32	QFP	FG	Quartz feldspar porphyry dyke with strong hydrothermal alteration. Primary groundmass texture is erased, with few porphyritic crystals present. Coarse quartz is untouched. Pervasive to semi-pervasive oxide staining throughout, and is strongest along fractures. Dentritic goethite is common, oriented perpendicular to fractures. Sharp contact with granodiorite at 11.32, but the core is spun so an orientation is unobtainable.							
						LT	GY	FR	HYD	5I	Go	2
						MD	BN	PO	OXI	4I		
11.32	17.52	6.20	GRD	MG	Pervasive moderately argillic altered granodiorite with weak-moderate oxide staining stemming from fractures. Patchy weak potassic throughout.							
						LT	BN		POT	1I		
						LT	PK		OXI	2I		
						LT	WH		ARG	3I		
17.52	24.44	6.92	QFP	FG	Strongly hydrothermally altered quartz feldspar porphyry dyke with 20% softened clasts. Semi-pervasive oxide staining, strongest around fractures.							
						MD	BN		OXI	3I		
						LT	TN	PO	HYD	4I		
24.44	25.13	0.69	GRD	MG	Phyllic-argillic altered granodiorite with crosscutting quartz-pyrite veinlets. Weak oxide staining stemming from fractures.							
						LT	BN		OXI	2I		
						LT	GN		PHC	3I		
						LT	WH		ARG	3I	Py	0.1
25.13	28.38	3.25	QFP	MG	Hydrothermally altered quartz feldspar porphyry dyke with 25% phenocryst texture remaining. Weak oxidation along fractures.							
						LT	BN	FR	OXI	2I		
						MD	TN	PO	HYD	4I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
28.38	31.38	3.00	GRD	MG	Weak phyllic with patchy propylitic alteration. Phyllic is strongest around crosscutting veinlets. One smoky quartz breccia at quartz feldspar porphyry dyke contact hosts disseminated pyrite.							
						MD	GN		PRO	1I		
						LT	GN	PA	PHC	3I	Py	0.1
31.38	32.04	0.66	QFP	FG	Strongly hydrothermally altered quartz feldspar porphyry dyke with weak oxide staining stemming from fractures.							
						LT	GN	PO	OXI	2I		
						LT	BN		HYD	4I		
32.04	44.31	12.27	GRD	MG	Granodiorite with phyllic-argillic alteration near quartz feldspar porphyry dyke contacts. Central granodiorite shows weak-trace propylitic/potassic alteration. Cut by some quartz-pyrite veins at 39-42m with phyllic halos.							
						LT	PK					
						MD	GN		PHC	2I		
						LT	GN		PRO	1I		
						LT	WH		POT	2I		
						MD	GY	PA	ARG	3I	Py	0.1
44.31	50.14	5.83	QFP	FG	Strongly hydrothermally altered quartz feldspar porphyry dyke with 30% visible altered phenocrysts. Some quartz phenocrysts have <1mm alteration halos. Weak oxide staining around fractures.							
						LT	TN		HYD	4I		
						LT	MR		OXI	1I		
						LT	BN					
50.14	57.72	7.58	GRD	MG	Granodiorite with moderate argillic alteration with patchy potassic and phyllic in vein halos. Cut by a pair of magnetite veinlets. Weak-trace oxide staining on fractures.							
						LT	BN		OXI	1I		
									PHC	2I		
						LT	WH	PA	ARG	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
57.72	74.28	16.56	QFP	FG	Strong, pervasive, hydrothermally altered quartz feldspar porphyry dyke. Rubbly and intensely fractured near granodiorite contacts, with moderate oxide staining. Phenocrysts are entirely converted to clay, except for quartz.							
						LT	TN	PO	HYD	4I		
						LT	MR		OXI	1I		
						LT	BN					
74.28	75.39	1.11	GRD	MG	Moderate argillic alteration with weak potassic overprint. Weak-trace oxide staining on fractures.							
						LT	PK		OXI	1I		
						LT	BN		POT	1I		
						LT	WH		ARG	4I		
75.39	85.40	10.01	GRD	MG	Relatively fresh granodiorite with patches of argillic and phyllic alteration in vein halos.							
						LT	WH					
						LT	BN		OXI	1I		
						LT	GN		ARG	2I		
						MD	GY	PA	PHC	2I	Py	0.1
85.40	91.11	5.71	GRD	MG	Mineralized granodiorite with several veins. Veins has zoned halos: inner phyllic and outer argillic. These halos result in rapidly changing alteration of granodiorite. Trace potassic overprint in argillic, and trace-weak oxide staining on fractures. Disseminated pyrite is found in phyllic halos. Veining is quartz-pyrite and netted chalcedony. Vein breccia along quartz feldspar porphyry dyke contact.							
						LT	BN		OXI	1I		
						LT	WH		ARG	2I		
						LT	GN	PA	PHC	3I	Py	1
						LT	PK		POT	1I		
91.11	91.37	0.26	VEN	MG	Vein breccia at the quartz feldspar porphyry dyke contact. Smoky quartz hosting disseminated-blebby pyrite brecciates both phyllic granodiorite and quartz feldspar porphyry dyke. Some netted white quartz-carbonate veinlets adjacent to the contact. Weak oxide staining along healed fractures.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	BN	NE	OXI	1I	Py	4
						LT	GN					
						DK	GY	BX	PHC	3I	Py	4
91.37	95.00	3.63	QFP	FG	Light green, strongly hydrothermally altered quartz feldspar porphyry dyke with altered phenocrysts. Weak-moderate oxide staining stemming outwards from fractures. Cut by white quartz-carbonate veins and veinlets that are often netted.							
						LT	BN		OXI	2I		
						LT	GN	PO	HYD	4I		
95.00	136.15	41.15	GRD	MG	Granodiorite with patchy alteration, mostly as zoned phyllic (inner) and argillic (outer) halos on mineralized quartz-pyrite veins. Some patches of weak-trace propylitic and potassic. Most oxide staining is absent.							
						LT	WH		OXI	1I		
						LT	GN		ARG	2I		
						LT	PK		POT	1I		
						MD	GN		PRO	1I		
						MD	GY	PA	PHC	2I		
136.15	145.36	9.21	GRD	MG	Granodiorite with wide distal argillic and phyllic halos on veins. Argillic and potassic alteration are more significant than previous. Cut by wider quartz-pyrite veins on average. Veins typically show white carbonate banding.							
						LT	WH	PA	PHC	2I	Py	0.1
						LT	PK		ARG	3I		
						LT	GN		POT	2I		
145.36	146.24	0.88	QFP	FG	Strongly hydrothermally altered granodiorite with a weak sense of flow-orientation in phenocrysts and chilled margins. Sharp top and bottom contacts with granodiorite. Light green with unaltered 2% quartz phenocrysts.							
						LT	GN	PO	HYD	4I		
146.24	153.11	6.87	GRD	MG	Phyllic altered granodiorite between two quartz feldspar porphyry dykes. Cut by quartz-carbonate veins/veinlets, with brecciated lower contact. Patches of trace propylitic in fresher looking granodiorite. Disseminated pyrite in phyllic groundmass.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	GN		PHC	3I	Py	0.1
						MD	GY		PRO	1I		
						LT	WH		ARG	1I		
153.11	157.37	4.26	QFP	FG	LIght green-grey quartz feldspar porphyry dyke with strong hydrothermal alteration. Clay alteration near contacts with granodiorite.							
						LT	GY					
						LT	GN	PO	HYD	4I		
157.37	163.83	6.46	GRD	MG	Phyllic altered granodiorite cut by mineralized veins with strong-moderate halos. Patchy argillic intermediate to halos. Polymetallic vein at 161.7m. Disseminated pyrite throughout groundmass, and cut by many pyrite stringers.							
						LT	GY		ARG	2I		
						LT	GN		PHC	4I	Py	5
163.83	166.42	2.59	QFP	FG	Light green quartz feldspar porphyry dyke with clay alteration along healed fractures. Weak chill at contacts. All phenocrysts (except quartz) are altered.							
						LT	GN	PO	HYD	4I		
166.42	166.93	0.51	VEN	MG	Strongly mineralized polymetallic breccia and vein. Breccia is weakly clay altered.							
						MD	BR	BN			Py	10
											Sp	1
						LT	GN				Py	2
						LT	GY				Gn	1
166.93	168.24	1.31	GRD	MG	Strongly phyllic altered granodiorite cut by frequent pyrite stringers, and hosting disseminated pyrite in groundmass.							
						LT	GN		PHC	4I	Py	2
											Py	1
168.24	185.60	17.36	GRD	MG	Unaltered (or patchy weak propylitic and potassic) granodiorite.							
						MD	GY		PRO	1I		
									POT	1I		
185.60	189.03	3.43	GRD	MG	Granodiorite cut by mineralized quartz veins (generally pyrite). Veins have proximal phyllic and distal argillc halos. With trace potassic alteration in argillic.							
						LT	PK		PHC	3I	Py	1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	GN		ARG	2I		
						LT	WH		POT	1I	Py	1
189.03	223.96	34.93	GRD	MG	Granodiorite with patchy trace-weak propylitic and potassic alteration. Short intervals of phyllic alteration around pyrite-bearing quartz veins. Some veins/stringers are accompanied by propylitic alteration.							
						MD	GY		PRO	2I		
						MD	GN	PA	POT	1I		
						LT	GN		PHC	2I		
						LT	PK					
223.96	225.82	1.86	GRD	MG	Phyllic-argillic halo on a smoky quartz breccia hosting phyllic granodiorite and quartz-carbonate vein clasts. Cut by narrow carbonate veinlets/stringers.							
						LT	GY		ARG	2I	Py	1
						LT	GN		PHC	3I		
225.82	249.02	23.20	GRD	MG	Fresh granodiorite with patches of trace propylitic and potassic alteration. Narrow phyllic halos on quartz-carbonate-pyrite veins and stringers.							
						LT	PK					
						MD	GN		POT	1I		
						MD	GY		PRO	1I	Py	0.1
249.02	251.41	2.39	GRD	MG	Strong phyllic and patchy argillic granodiorite with fracturing and disseminated pyrite throughout. Rubbly section is cut by carbonate veinlets with pyrite.							
						LT	GN	RB	PHC	4I	Py	1
						LT	GY	FR	ARG	2I		
251.41	263.38	11.97	GRD	MG	Granodiorite with weak-trace propylitic and potassic alteration. Short intervals of phyllic/argillic alteration around quartz-carbonate veins with pyrite.							
						LT	PK		PRO	1I		
						MD	GY		PHC	3I	Py	1
						LT	GN		ARG	2I		
						MD	GN		POT	1I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
263.38	275.30	11.92	GRD	MG	Pika Zone. The Pika zone in this hole is weaker and wide spread compared to previous holes. The main Pika veins are at 263.5m,265.8m, 270.2m,273.3m. Veins have moderate-strong proximal phyllic and distal argillic halos. Veins are spaced far enough apart that short sections of propylitic/potassic granodiorite are found between halos.							
						LT	PK		PRO	1I	Py	1
						MD	GY		POT	1I	Cp	0.1
						MD	GN		ARG	2I	Sp	0.1
						LT	GN	PA	PHC	4I	Py	1
275.30	277.85	2.55	GRD	MG	Granodiorite with weak potassic and propylitic alteration.							
						MD	GN		PRO	1I		
						MD	GY		POT	1I		
						LT	PK					
277.85	281.25	3.40	GRD	MG	Moderate phyllic altered granodiorite cut by quartz-pyrite +/- trace other sulphides. Patchy weak argillic and potassic.							
						LT	PK		POT	1I		
						LT	GN	PA	PHC	4I	Py	1
						LT	WH		ARG	2I		
281.25	287.43	6.18	GRD	MG	Granodiorite with patchy weak-trace potassic and propylitic.							
						MD	GY	PA	PRO	1I		
						LT	PK		POT	1I		
						MD	GN					

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
0.00	3.00	3.00	0	0	0.00	0	--	--	--	Casing
3.00	5.54	2.54	1.26	50	0.13	5	--	3H	1W	
5.54	8.23	2.69	2.24	83	0.74	28	--	3H	1W	
8.23	11.28	3.05	3.02	99	2.26	74	--	3H	1W	
11.28	14.33	3.05	2.92	96	1.95	64	--	3H	1W	
14.33	17.37	3.04	3.04	100	2.34	77	--	3H	1W	
17.37	20.42	3.05	3.01	99	2.48	81	--	4H	1W	
20.42	23.47	3.05	3.05	100	2.36	77	--	4H	1W	
23.47	26.52	3.05	3.05	100	2.00	66	--	3H	1W	
26.52	29.57	3.05	3.04	100	2.50	82	--	4H	1W	
29.57	32.61	3.04	3	99	2.10	69	--	4H	1W	
32.61	35.66	3.05	3.05	100	1.81	59	--	4H	1W	
35.66	38.71	3.05	2.94	96	1.48	49	--	4H	1W	
38.71	41.76	3.05	3.05	100	2.67	88	--	4H	1W	
41.76	44.81	3.05	3.04	100	2.03	67	--	4H	1W	
44.81	47.85	3.04	2.98	98	1.62	53	--	4H	1W	
47.85	50.90	3.05	3.02	99	2.00	66	--	4H	1W	
50.90	53.95	3.05	3.05	100	1.96	64	--	4H	1W	
53.95	57.00	3.05	2.68	88	1.18	39	--	3H	1W	
57.00	60.05	3.05	2.23	73	0.27	9	--	4H	1W	
60.05	63.09	3.04	2.84	93	0.70	23	--	4H	1W	
63.09	66.14	3.05	2.84	93	1.86	61	--	4H	1W	
66.14	69.19	3.05	2.74	90	1.25	41	--	4H	1W	
69.19	72.24	3.05	2.87	94	0.66	22	--	4H	1W	
72.24	75.29	3.05	2.57	84	1.04	34	--	4H	1W	
75.29	78.33	3.04	2.97	98	1.90	63	--	4H	1W	
78.33	81.38	3.05	2.8	92	1.67	55	--	3H	1W	
81.38	84.43	3.05	2.59	85	2.02	66	--	4H	1W	
84.43	87.48	3.05	2.95	97	1.19	39	--	4H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
87.48	90.53	3.05	2.9	95	1.84	60	--	3H	1W	
90.53	93.57	3.04	2.27	75	1.18	39	--	3H	1W	
93.57	96.62	3.05	2.49	82	1.91	63	--	3H	1W	
96.62	99.67	3.05	2.44	80	1.77	58	--	3H	1W	
99.67	102.72	3.05	2.74	90	2.01	66	--	3H	1W	
102.72	105.77	3.05	2.76	90	1.94	64	--	3H	1W	
105.77	108.81	3.04	2.45	81	1.21	40	--	4H	1W	
108.81	111.86	3.05	2.85	93	2.35	77	--	3H	1W	
111.86	114.91	3.05	2.84	93	1.99	65	--	3H	1W	
114.91	117.96	3.05	2.97	97	1.84	60	--	3H	1W	
117.96	121.00	3.04	2.6	86	1.65	54	--	3H	1W	
121.00	124.05	3.05	2.74	90	1.93	63	--	4H	1W	
124.05	127.10	3.05	2.87	94	2.19	72	--	4H	1W	
127.10	130.15	3.05	2.88	94	1.96	64	--	3H	1W	
130.15	133.20	3.05	2.84	93	2.14	70	--	3H	1W	
133.20	136.24	3.04	2.8	92	2.07	68	--	4H	1W	
136.24	139.29	3.05	2.84	93	2.11	69	--	3H	1W	
139.29	142.34	3.05	3	98	2.30	75	--	4H	1W	
142.34	145.39	3.05	2.96	97	2.25	74	--	4H	1W	
145.39	148.44	3.05	3.05	100	2.81	92	--	4H	1W	
148.44	151.48	3.04	3	99	2.53	83	--	5H	1W	
151.48	154.53	3.05	2.76	90	2.04	67	--	3H	1W	
154.53	157.58	3.05	2.65	87	1.36	45	--	3H	1W	
157.58	160.63	3.05	2.94	96	1.88	62	--	4H	1W	
160.63	163.68	3.05	3.05	100	2.05	67	--	4H	1W	
163.68	166.73	3.05	2.88	94	2.08	68	--	4H	1W	
166.73	169.77	3.04	3	99	2.36	78	--	4H	1W	
169.77	172.82	3.05	2.46	81	1.54	50	--	4H	1W	Redrill
172.82	175.87	3.05	2.74	90	2.06	68	--	4H	1W	
175.87	178.92	3.05	2.91	95	1.17	38	--	4H	1W	
178.92	181.97	3.05	3.01	99	2.04	67	--	4H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
181.97	185.01	3.04	2.9	95	2.48	82	--	4H	1W	
185.01	188.06	3.05	3	98	2.26	74	--	3H	1W	
188.06	191.11	3.05	2.85	93	1.85	61	--	4H	1W	
191.11	194.16	3.05	2.73	90	1.64	54	--	3H	1W	
194.16	197.21	3.05	2.64	87	1.70	56	--	3H	1W	
197.21	200.25	3.04	2.89	95	1.91	63	--	4H	1W	
200.25	203.30	3.05	2.86	94	2.16	71	--	4H	1W	
203.30	206.35	3.05	2.82	92	1.70	56	--	4H	1W	
206.35	209.40	3.05	2.62	86	1.90	62	--	5H	1W	
209.40	212.45	3.05	2.91	95	2.26	74	--	4H	1W	
212.45	215.49	3.04	2.72	89	2.18	72	--	4H	1W	
215.49	218.54	3.05	2.97	97	2.58	85	--	5H	1W	
218.54	221.59	3.05	2.57	84	1.51	50	--	4H	1W	
221.59	224.64	3.05	3.02	99	1.89	62	--	4H	1W	
224.64	227.67	3.03	2.67	88	1.92	63	--	3H	1W	
227.67	230.73	3.06	2.96	97	2.04	67	--	5H	1W	
230.73	233.78	3.05	3.02	99	2.63	86	--	5H	1W	
233.78	236.83	3.05	2.87	94	2.51	82	--	5H	1W	
236.83	239.88	3.05	2.65	87	2.08	68	--	4H	1W	
239.88	242.93	3.05	2.47	81	1.70	56	--	4H	1W	
242.93	245.97	3.04	2.63	87	1.50	49	--	4H	1W	
245.97	249.02	3.05	2.83	93	1.17	38	--	3H	1W	
249.02	252.07	3.05	3	98	1.50	49	--	3H	1W	
252.07	255.12	3.05	3	98	2.85	93	--	4H	1W	
255.12	258.17	3.05	2.97	97	2.89	95	--	4H	1W	
258.17	261.21	3.04	3	99	2.95	97	--	4H	1W	
261.21	264.26	3.05	3	98	3.00	98	--	3H	1W	
264.26	267.31	3.05	2.98	98	2.36	77	--	3H	1W	
267.31	270.36	3.05	2.79	91	2.19	72	--	3H	1W	
270.36	273.41	3.05	3	98	2.05	67	--	3H	1W	
273.41	276.45	3.04	3	99	2.49	82	--	3H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
276.45	279.50	3.05	3	98	1.91	63	--	3H	1W	
279.50	282.55	3.05	2.97	97	1.96	64	--	4H	1W	
282.55	285.60	3.05	3	98	2.64	87	--	3H	1W	
285.60	287.43	1.83	1.74	95	1.52	83	--	3H	1W	EOH

KL-15-245

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
0.00	0.00	0.00	-QC-	0.00	0	R498930	☐	15-015			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R498945	☐	15-015		KL-STD6	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R498950	☐	15-015			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R498958	☐	15-016		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R498966	☐	15-016			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R498978	☐	15-016		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R498985	☐	15-016			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R499254	☐	15-023	HG 2	ME-140	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R610755	☐	15-040			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R610758	☐	15-040		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R498925	☐	15-015		KL-STD5	☐	☐	☐
31.02	31.40	0.38	GRD	0.25	66	R498909	☐	15-013			☐	☐	☐
31.40	32.04	0.64	QFP	0.64	100	R498910	☐	15-013			☐	☐	☐
32.04	32.47	0.43	QFP, GRD	0.41	95	R498911	☐	15-013			☐	☐	☐
32.47	85.53	53.06	GRD	0.00	0		☑	15-013			☐	☐	☐
85.53	87.48	1.95	GRD	1.92	98	R498912	☐	15-013			☐	☐	☐
87.48	89.18	1.70	GRD	1.70	100	R498913	☐	15-013			☐	☐	☐
89.18	90.74	1.56	GRD	1.56	100	R498914	☐	15-013			☐	☐	☐
90.74	91.37	0.63	GRD	0.63	100	R498915	☐	15-013			☐	☐	☐
95.00	95.60	0.60	GRD, QFP	0.59	98	R498916	☐	15-013			☐	☐	☐
95.60	97.17	1.57	GRD	1.51	96	R498917	☐	15-015			☐	☐	☐
97.17	99.30	2.13	GRD	2.12	100	R498918	☐	15-015			☐	☐	☐
99.30	100.49	1.19	GRD	1.06	89	R498919	☐	15-015			☐	☐	☐
100.49	101.27	0.78	GRD	0.77	99	R498920	☐	15-015			☐	☐	☐
101.27	102.72	1.45	GRD	1.45	100	R498921	☐	15-015			☐	☐	☐
102.72	104.82	2.10	GRD	1.97	94	R498922	☐	15-015			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
102.72	104.82	2.10	GRD	1.97	94	R498923	☐	15-015			☐	☐	☑
104.82	105.44	0.62	GRD	0.62	100	R498924	☐	15-015			☐	☐	☐
105.44	105.90	0.46	GRD	0.46	100	R499248	☐	15-023	HG 2		☐	☐	☐
105.90	106.49	0.59	GRD	0.59	100	R498926	☐	15-015			☐	☐	☐
111.63	112.74	1.11	GRD	1.05	95	R498927	☐	15-015			☐	☐	☐
116.58	117.37	0.79	GRD	0.79	100	R498928	☐	15-015			☐	☐	☐
123.25	124.53	1.28	GRD	1.28	100	R498929	☐	15-015			☐	☐	☐
136.58	137.03	0.45	GRD	0.45	100	R498931	☐	15-015			☐	☐	☐
137.03	137.42	0.39	GRD	0.39	100	R499249	☐	15-023	HG 2		☐	☐	☐
137.42	137.91	0.49	GRD	0.49	100	R498932	☐	15-015			☐	☐	☐
137.91	139.92	2.01	GRD	1.99	99	R498933	☐	15-015			☐	☐	☐
139.92	140.59	0.67	GRD	0.64	96	R498934	☐	15-015			☐	☐	☐
140.59	142.57	1.98	GRD	1.98	100	R498935	☐	15-015			☐	☐	☐
140.59	142.57	1.98	GRD	1.97	99	R498936	☐	15-015			☐	☑	☐
142.57	143.15	0.58	GRD	0.57	98	R498937	☐	15-015			☐	☐	☐
143.15	143.63	0.48	GRD	0.48	100	R498938	☐	15-015			☐	☐	☐
143.63	145.36	1.73	GRD	1.73	100	R498939	☐	15-015			☐	☐	☐
145.36	146.24	0.88	QFP, GRD	0.86	98	R498940	☐	15-015			☐	☐	☐
146.24	147.96	1.72	QFP, GRD	1.72	100	R498941	☐	15-015			☐	☐	☐
147.96	148.66	0.70	GRD	0.70	100	R498942	☐	15-015			☐	☐	☐
148.66	150.92	2.26	GRD	2.26	100	R498943	☐	15-015			☐	☐	☐
150.92	151.87	0.95	GRD	0.95	100	R498944	☐	15-015			☐	☐	☐
151.87	152.98	1.11	GRD	1.08	97	R499250	☐	15-023	HG 2		☐	☐	☐
152.98	153.28	0.30	GRD	0.30	100	R498946	☐	15-015			☐	☐	☐
153.28	155.49	2.21	QFP	2.03	92	R498947	☐	15-015			☐	☐	☐
155.49	157.37	1.88	QFP	1.86	99	R498948	☐	15-015			☐	☐	☐
157.37	157.73	0.36	QFP, GRD	0.36	100	R498949	☐	15-015			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
157.73	159.14	1.41	GRD	1.39	99	R498951	☐	15-015			☐	☐	☐
159.14	161.42	2.28	GRD	2.27	100	R498952	☐	15-015			☐	☐	☐
161.42	161.83	0.41	GRD	0.41	100	R499251	☐	15-023	HG 2		☐	☐	☐
161.83	162.60	0.77	GRD	0.74	96	R498953	☐	15-016			☐	☐	☐
162.60	163.83	1.23	GRD	1.23	100	R498954	☐	15-016			☐	☐	☐
163.83	166.42	2.59	QFP, GRD	2.47	95	R498955	☐	15-016			☐	☐	☐
166.42	166.93	0.51	VEN, QFP	0.51	100	R499252	☐	15-023	HG 2		☐	☐	☐
166.93	168.09	1.16	GRD, VEN	1.12	97	R498956	☐	15-016			☐	☐	☐
166.93	168.09	1.16	GRD, VEN	1.12	97	R498957	☐	15-016			☐	☑	☐
186.49	188.50	2.01	GRD	2.01	100	R498959	☐	15-016			☐	☐	☐
188.50	188.80	0.30	GRD	0.30	100	R498960	☐	15-016			☐	☐	☐
188.80	190.23	1.43	GRD	1.42	99	R610751	☐	15-040			☐	☐	☐
190.23	191.65	1.42	GRD	1.42	100	R610752	☐	15-040			☐	☐	☐
191.65	193.34	1.69	GRD	1.68	99	R610753	☐	15-040			☐	☐	☐
193.34	194.88	1.54	GRD	1.54	100	R610754	☐	15-040			☐	☐	☐
194.88	195.18	0.30	GRD	0.30	100	R498961	☐	15-016			☐	☐	☐
195.18	196.37	1.19	GRD	1.01	85	R498962	☐	15-016			☐	☐	☐
196.37	198.01	1.64	GRD	1.61	98	R498963	☐	15-016			☐	☐	☐
198.01	199.17	1.16	GRD	1.13	97	R498964	☐	15-016			☐	☐	☐
199.17	200.09	0.92	GRD	0.88	96	R498965	☐	15-016			☐	☐	☐
200.09	201.60	1.51	GRD	1.51	100	R610756	☐	15-040			☐	☐	☐
201.60	203.08	1.48	GRD	1.48	100	R610757	☐	15-040			☐	☐	☐
203.08	205.00	1.92	GRD	1.73	90	R610759	☐	15-040			☐	☐	☐
205.00	205.58	0.58	GRD	0.58	100	R498967	☐	15-016			☐	☐	☐
205.58	206.35	0.77	GRD	0.73	95	R498968	☐	15-016			☐	☐	☐
206.35	206.85	0.50	GRD	0.50	100	R610760	☐	15-040			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
223.10	224.10	1.00	GRD	1.00	100	R498969	☐	15-016			☐	☐	☐
223.10	224.10	1.00	GRD	1.00	100	R498970	☐	15-016			☐	☐	☑
224.10	224.83	0.73	GRD	0.66	90	R498971	☐	15-016			☐	☐	☐
224.83	225.62	0.79	GRD	0.61	77	R498972	☐	15-016			☐	☐	☐
262.46	263.46	1.00	GRD	1.00	100	R498973	☐	15-016			☐	☐	☐
263.46	263.77	0.31	GRD	0.30	97	R499253	☐	15-023	HG 2		☐	☐	☐
263.77	265.09	1.32	GRD	1.32	100	R498974	☐	15-016			☐	☐	☐
265.09	265.75	0.66	GRD	0.66	100	R498975	☐	15-016			☐	☐	☐
265.75	266.17	0.42	GRD	0.42	100	R499255	☐	15-023	HG 2		☐	☐	☐
266.17	267.06	0.89	GRD	0.85	96	R499256	☐	15-023	HG 2		☐	☐	☐
266.17	267.06	0.89	GRD	0.85	96	R499257	☐	15-023	HG 2		☐	☐	☑
267.06	267.60	0.54	GRD	0.54	100	R498976	☐	15-016			☐	☐	☐
267.60	268.78	1.18	GRD	1.00	85	R498977	☐	15-016			☐	☐	☐
268.78	269.08	0.30	GRD	0.30	100	R498979	☐	15-016			☐	☐	☐
269.08	270.02	0.94	GRD	0.88	94	R498980	☐	15-016			☐	☐	☐
270.02	270.36	0.34	GRD	0.34	100	R499258	☐	15-023	HG 2		☐	☐	☐
270.36	271.08	0.72	GRD	0.70	97	R498981	☐	15-016			☐	☐	☐
271.08	272.26	1.18	GRD	1.18	100	R498982	☐	15-016			☐	☐	☐
272.26	273.27	1.01	GRD	0.98	97	R498983	☐	15-016			☐	☐	☐
273.27	273.57	0.30	GRD	0.30	100	R498984	☐	15-016			☐	☐	☐
273.57	275.30	1.73	GRD	1.67	97	R498986	☐	15-016			☐	☐	☐
275.30	276.45	1.15	GRD, GRD	1.15	100	R498987	☐	15-016			☐	☐	☐
276.45	279.20	2.75	GRD	2.68	97	R498988	☐	15-016			☐	☐	☐
279.20	279.50	0.30	GRD	0.30	100	R498989	☐	15-017			☐	☐	☐
279.50	280.59	1.09	GRD	1.09	100	R498990	☐	15-017			☐	☐	☐
280.59	281.25	0.66	GRD	0.62	94	R498991	☐	15-017			☐	☐	☐
281.25	282.25	1.00	GRD, GRD	1.00	100	R498992	☐	15-017			☐	☐	☐

Klaza - Klaza Project

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		382772	6889336	1445.13	121

ZONE: Pika

SECTION: BRX 10+700

HOLE: KL-15-246

CLAIM:

Contractor: Platinum

Drill: 1

Core Size: HQ

Casing Depth: 3.23m, Out

Drilling Dates: Jun 17 - Jun 18, 2015

Geology Logged By: T. Cruz

SURVEY			
Depth (m)	Azimuth	Dip	Method
14.32	34.4	-49.8	Reflex
121	35.1	-50.5	Reflex

TARGET:

SUMMARY			
From (m)	To (m)	Interval (m)	Rock Type
0	3.23	3.23	CAS
3.23	27.1	23.87	GRD
27.1	30.44	3.34	GRD
30.44	41.22	10.78	QFP
41.22	44.91	3.69	GRD
44.91	51.75	6.84	GRD
51.75	65.56	13.81	GRD
65.56	66.47	0.91	GRD
66.47	82.9	16.43	GRD
82.9	84.68	1.78	GRD
84.68	101.12	16.44	GRD
101.12	112.12	11	GRD
112.12	121	8.88	GRD

SAMPLES	
Numbers:	R498993 to R499012
Total:	20
Batch:	017
Certificates:	WH15092110

COMMENTS
Pika Vein: 65.84-66.10m

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
3.23	4.40	1.17	GRD	MG	Fractured, strongly oxidized, and weakly clay altered granodiorite with trace argillic alteration.							
						MD	BN	RB	OXI	4I		
						LT	GY	FR	ARG	2I	Li	5
4.40	6.00	1.60	GRD	MG	Intensely fractured and rubbly granodiorite with significant clay alteration and oxidization. Weak goethite on fractures.							
						MD	BN	FR	OXI	5I	Go	2
						DK	BN	RB			Li	5
						DK	BK					
6.00	12.30	6.30	GRD	MG	More competent recovery than previous, with moderate-strong oxide staining and weak-moderate clay alteration. Patchy semi-pervasive goethite. Weak argillic alteration still present.							
						MD	BN		CLY	2I		
						LT	BN	FR	OXI	4I	Li	5
						LT	OR		LIM	3I	Go	5
						DK	BK		ARG	2I		
12.30	15.08	2.78	GRD	MG	Fractured whole core recovery with more significant goethite on fractures. Strong pervasive oxide staining.							
						MD	BN	FR	OXI	4I	Go	8
						DK	BK		LIM	3I	Li	5
15.08	27.10	12.02	GRD	MG	Moderate-strongly oxidized argillic granodiorite with fracturing and short intervals of crumbled clay alteration, cut by rare calcite veinlets.							
						MD	BN	FR	OXI	4I	Li	5
						LT	GY					
						DK	BK		ARG	3I	Go	1
27.10	30.44	3.34	GRD	MG	Patchy-pervasive moderately phyllic and argillic altered granodiorite with weak semi-pervasive oxide staining. Staining is strongest on fracture surfaces, with some goethite. Disseminated pyrite throughout phyllic alteration. Cut by pyrite stringers.							
						LT	BN	PA	PHC	3I	Py	1
						LT	GN		ARG	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	GY		OXI	2I		
30.44	34.87	4.43	QFP	FG	Fractured quartz feldspar porphyry dyke with pervasive oxide staining, shifting the original light green colour to a light brown.							
						LT	BN	PO	OXI	3I		
						LT	GN	FR	HYD	4I		
34.87	37.80	2.93	QFP	FG	Silicified quartz feldspar porphyry dyke with weak oxidation on fractures. Phenocrysts show less silicification than groundmass.							
						LT	GN	PO	OXI	2I		
									HYD	4I		
									SIL	3I		
37.80	41.22	3.42	QFP	FG	Light brown-green to medium grey quartz feldspar porphyry dyke cut by fractures and carbonate-dominated veinlets. Weak clay development on some fractures. Weak-moderate semi-pervasive oxide staining.							
						MD	GY		CLY	1I		
						LT	GN	PO	HYD	4I		
						LT	BN	FR	OXI	3I		
41.22	44.91	3.69	GRD	MG	Moderate argillic and weak patchy potassic altered granodiorite with semi-pervasive oxide staining. Cut by rare quartz-carbonate veinlets.							
						LT	BN	PA	ARG	3I		
						LT	PK		POT	1I		
						LT	WH		OXI	2I		
44.91	48.57	3.66	GRD	MG	Granodiorite with patchy propylitic and potassic alteration. Trace oxide staining on fracture faces.							
						MD	GY	PA	PRO	1I		
						MD	GN	MO	POT	1I		
						LT	PK					
48.57	50.63	2.06	GRD	MG	Proximal weak phyllic and distal moderate argilic-potassic halo on a set of banded quartz-carbonate veins. Trace disseminated pyrite in phyllic groundmass. Trace oxide staining on 75% of fractures.							
						LT	GN		ARG	3I	Py	0.1
						LT	WH		PHC	2I		
						LT	PK		POT	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
50.63	51.75	1.12	GRD	MG	Granodiorite with patchy weak-trace propylitic and potassic alteration. Trace oxide staining on 50% of fracture surfaces.							
						MD	GN	PA	POT	1I		
						MD	GY	MO	PRO	1I		
						LT	PK					
51.75	53.30	1.55	GRD	MG	Proximal phyllic and distal argillic halo on barren quartz-carbonate vein. Trace potassic in argillic halo. Trace oxide staining on fracture surfaces.							
						LT	PK					
						LT	GN					
						LT	WH					
						LT	BN					
53.30	53.98	0.68	GRD	MG	Weak propylitic and trace potassic altered granodiorite with trace oxide staining.							
						MD	GN	MO	PRO	2I		
						MD	PK		POT	2I		
53.98	59.70	5.72	GRD	MG	Proximal phyllic and distal argillic halo on barren quartz-carbonate vein. Trace potassic in argillic halo. Trace oxide staining on fracture surfaces.							
						LT	GN	MO	ARG	3I	Py	0.1
						LT	WH		PHC	2I		
						LT	PK		OXI	1I		
						LT	BN		POT	1I		
59.70	62.25	2.55	GRD	MG	Mottled pink-green due to overprinting propylitic and potassic alteration. Trace oxide staining on fractures.							
						MD	GN	MO	PRO	1I		
						LT	PK		POT	1I		
						LT	BN		OXI	1I		
62.25	63.48	1.23	GRD	MG	Moderately phyllic and patchy weak argillic altered granodiorite cut by intergrown-banded quartz-carbonate veins hosting pyrite and galena. Weak semi-pervasive oxide staining stemming from fractures.							
						LT	WH		ARG	1I	Gn	0.1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	BN		OXI	1I		
						LT	GN		PHC	3I	Py	0.1
63.48	65.11	1.63	GRD	MG	Weak-moderately propylitic and trace potassic altered granodiorite with trace oxide staining on fractures.							
						MD	GN		PRO	2I		
						LT	PK		POT	1I		
						LT	BN		OXI	1I		
65.11	65.56	0.45	GRD	MG	Overprinting distal argillic and proximal phyllic halos on two mineralized quartz-carbonate veins. Weak-moderate oxide staining on fractures, which is semi-pervasive on 30% of fractures.							
						MD	BN					
						LT	GN	MO	PHC	3I	Py	0.1
						LT	WH		ARG	2I	As	0.1
						LT	BN		OXI	2I		
65.56	65.84	0.28	GRD	MG	Phyllic granodiorite cut by pyrite-quartz stringers. Hosts disseminated pyrite in phyllic groundmass. Trace oxide staining on fractures. Cut by few calcite stringers.							
						LT	GN		OXI	1I	Py	2
						LT	BN		PHC	4I		
65.84	66.10	0.26	VEN	MG	Pika Vein: Massive quartz-pyrite vein with bands of smoky quartz and white carbonate. Massive pyrite is the dominant sulphide, but blackjack sphalerite and galena are blebby around carbonate bands.							
						MD	GY	MA			Gn	2
						MD	BR	BN	OXI	1I	Py	70
											Sp	5
66.10	66.47	0.37	GRD	MG	Phyllic granodiorite cut by pyrite-quartz stringers. Hosts disseminated pyrite in phyllic groundmass. Trace oxide staining on fractures. Cut by few calcite stringers.							
						LT	GN		PHC	3I	Py	1
									OXI	1I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
66.47	73.75	7.28	GRD	MG	Semi-pervasive potassic and patchy trace propylitic dominate this interval. Oxide staining is on <10% of fractures. Proximal phyllic and distal argillic halos are found on crosscutting quartz-carbonate-pyrite veins.							
						MD	GY	PA	PRO	1I		
						MD	GN		ARG	2I		
						LT	GN	MO	POT	2I		
						LT	PK		PHC	2I		
73.75	80.74	6.99	GRD	MG	Overlapping distal moderate argillic and proximal weak phyllic alteration halos on quartz-carbonate veins with pyrite. One vein has trace galena and sphalerite.							
						LT	WH		ARG	3I	Py	0.1
						LT	PK		PHC	2I	Gn	0.1
						LT	GN		POT	1I	Sp	0.1
80.74	82.90	2.16	GRD	MG	Semi-pervasive potassic and patchy trace propylitic dominate this interval. Proximal phyllic and distal argillic halos are found on crosscutting quartz-carbonate-pyrite veins.							
						MD	GY	PA	PRO	1I		
						MD	GN	MO	POT	1I		
						LT	PK					
82.90	84.68	1.78	GRD	MG	Phyllic alteration halo around three wider banded quartz-carbonate veins. These veins host blebby honey brown sphalerite and galena in trace amounts. Recovery is fractured around 84.5m. Disseminated pyrite is hosted in groundmass.							
						LT	GN		PHC	4I	Py	2
											Gn	0.1
											Sp	0.1
											Py	1
84.68	85.63	0.95	GRD	FG	Granodiorite with moderate potassic alteration and an interfingered contact with aplite dyke.							
						MD	PK	RX	POT	2I		
						LT	GN					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
85.63	93.27	7.64	GRD	MG	Granodiorite with altered mafic xenoliths and patchy trace propylitic and potassic alteration.							
						MD	GY	PA	PRO	1I		
						MD	GN		POT	1I		
						LT	PK					
93.27	96.62	3.35	GRD	MG	Trace patchy potassic and propylitic altered granodiorite, with a very low angle clay-infilled fracture. Hematite staining is semi-pervasive, and leads to an unusual pale blue-purple (periwinkle) discolouration of existing clay along the fracture.							
						MD	GY	PA	PRO	1I		
						MD	GN		HEM	2I		
						MD	RD					
						LT	PK		POT	1I		
96.62	101.12	4.50	GRD	MG	Granodiorite with altered mafic xenoliths and patchy trace propylitic and potassic alteration.							
						MD	GY	PA	POT	1I		
						MD	GN		PRO	1I		
						LT	PK					
101.12	105.77	4.65	GRD	MG	Narrow weak phyllic halos on white quartz-carbonate veinlets sometimes overlap, or leave a short gap of unaltered granodiorite between them.							
						MD	GY					
						LT	GN	PA	PHC	3I	Py	0.1
105.77	110.29	4.52	GRD	MG	Granodiorite with weak potassic alteration and is cut by white quartz-carbonate veinlets-stringers with weak phyllic halos.							
						MD	GY	PA	PHC	2I		
						LT	PK					
						LT	GN					
110.29	112.12	1.83	GRD	MG	Weak-moderate phyllic-argillic vein halo with trace potassic overprint. Veins are a pair of wide banded quartz-carbonate veins, although one is better mineralized than the other.							
						LT	GN	PA	PHC	3I	Py	1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	WH		ARG	2I	Sp	2
						LT	PK		POT	1I	Gn	1
112.12	121.00	8.88	GRD	MG	Granodiorite with trace patchy propylitic and trace potassic alteration.							
						MD	GY	PA	POT	1I		
						MD	GN		PRO	1I		
						LT	PK					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
3.23	27.10	23.87	GRD	MG	Top of hole consists of fractured, rubbly, strongly oxidized granodiorite. Some sections are completely reduced to soil/clay. Preceding alteration types are diffiult to determin, but appear to be primarily argillic. Goethite and limonite are typical on most (if not all) fractured surfaces. Intense fracturing throughout, with few pieces of competent core longer than 20cm. Most veining has been destroyed, however, there are some remaining calcite veins (any sulphides are oxidized).				CLY	2I		
						MD	BN	RB	OXI	4I	Li	5
						DK	BN	FR	ARG	2I	Go	5
						DK	BK		LIM	3I		
27.10	30.44	3.34	GRD	MG	Patchy-pervasive moderately phyllic and argillic altered granodiorite with weak semi-pervasive oxide staining. Staining is strongest on fracture surfaces, with some goethite. Disseminated pyrite throughout phyllic alteration. Cut by pyrite stringers.							
						LT	GY		OXI	2I		
						LT	BN	PA	PHC	3I	Py	1
						LT	GN		ARG	2I		
30.44	41.22	10.78	QFP	FG	Hydrothermally altered quartz feldspar porphyry dyke with higher density and larger phenocrysts than the dykes seen in KL-15-245. Semi-pervasive oxide staining is focused along fractures. Short sections of fracturing lead to semi-pervasive oxidation. Short sections of silicification limit staining to fractures. Silicification is stronger in groundmass rather than phenocrysts.							
						LT	GN	PA	OXI	3I		
						LT	OR	FR	SIL	3I		
						LT	BN	PO	HYD	4I		
41.22	44.91	3.69	GRD	MG	Moderate argillic and weak patchy potassic altered granodiorite with semi-pervasive oxide staining. Cut by rare quartz-carbonate veinlets.							
						LT	WH		OXI	2I		
						LT	BN	PA	ARG	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	PK		POT	1I		
44.91	51.75	6.84	GRD	MG	Granodiorite with potassic and propylitic base alteration, cut by veins/veinlets with proximal phyllic and distal argillic alterations. Some potassic alteration is present in argillic outer halos. Trace disseminated pyrite in phyllic altered groundmass. Weak-trace oxide staining on fractures.							
						MD	GN		POT	2I		
						LT	GN		PRO	1I		
						LT	WH	MO	PHC	3I		
						LT	PK	PA	ARG	3I	Py	0.1
51.75	65.56	13.81	GRD	MG	Granodiorite cut by banded quartz-carbonate veins with proximal weak phyllic and distal moderate argillic-potassic halos. Trace disseminated pyrite in phyllic halos. Argillic halos are much wider than phyllic halos, with trace oxide staining on fractures.							
						LT	BN		POT	1I		
						LT	PK	PA	ARG	3I		
						LT	WH	MO	PHC	2I	Py	0.1
						LT	GN		OXI	1I		
65.56	66.47	0.91	GRD	MG	Strongly phyllic altered granodiorite surrounding the Pika Zone (65.84-66.10m). Disseminated pyrite in phyllic granodiorite. Pika Vein consists of banded quartz and massive pyrite with belbby galena and sphalerite. Weak-trace oxide staining on fractures.							
						LT	GN		PHC	3I	Py	2
						LT	BN		OXI	1I	Py	1
											Gn	0.1
											Sp	0.1
66.47	82.90	16.43	GRD	MG	Semi-pervasive potassic and patchy trace propylitic dominate this interval. Oxide staining is on <10% of fractures. Proximal phyllic and distal argillic halos are found on crosscutting quartz-carbonate-pyrite veins.							
						MD	GN		ARG	2I		
						MD	GY	PA	PRO	1I		
						LT	GN	MO	POT	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	PK		PHC	2I		
82.90	84.68	1.78	GRD	MG	Phyllic alteration halo around three wider banded quartz-carbonate veins. These veins host blebby honey brown sphalerite and galena in trace amounts. Recovery is fractured around 84.5m. Disseminated pyrite is hosted in groundmass.							
											Sp	0.1
						LT	GN		PHC	4I	Py	2
											Py	1
											Gn	0.1
84.68	101.12	16.44	GRD	MG	Relatively unaltered granodiorite with patches of trace propylitic and potassic. Some recrystallized mafic xenoliths are encountered. Hematite staining is strong between 93-97m.							
						MD	GY	PA	PRO	1I		
						LT	PK		HEM	1I		
						MD	GN	MO	POT	1I		
101.12	112.12	11.00	GRD	MG	Granodiorite with trace potassic, cut by quartz-carbonate veinlets with disseminated pyrite. These veinlets have phyllic halos with trace disseminated pyrite.							
						LT	GN	PA	PHC	2I	Py	0.1
						MD	GY					
						LT	PK					
112.12	121.00	8.88	GRD	MG	Granodiorite with trace patchy propylitic and trace potassic alteration. EOH							
						MD	GY	PA	POT	1I		
						MD	GN		PRO	1I		
						LT	PK					

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
0.00	3.23	3.23	0	0	0.00	0	--	--	--	Casing
3.23	5.18	1.95	1.51	77	0.13	7	--	2H	4W	
5.18	8.23	3.05	2.13	70	0.38	12	--	2H	4W	
8.23	11.28	3.05	2.18	71	1.19	39	--	2H	4W	
11.28	14.32	3.04	2.24	74	0.19	6	--	2H	4W	
14.32	17.37	3.05	2.26	74	0.44	14	--	2H	4W	
17.37	20.42	3.05	2.09	69	0.34	11	--	2H	4W	
20.42	23.47	3.05	2.37	78	0.89	29	--	2H	4W	
23.47	26.52	3.05	2.28	75	0.95	31	--	2H	4W	
26.52	29.57	3.05	2.64	87	1.87	61	--	3H	3W	
29.57	32.61	3.04	2.48	82	1.16	38	--	3H	2W	
32.61	35.66	3.05	2.33	76	1.22	40	--	4H	2W	
35.66	38.71	3.05	2.44	80	1.69	55	--	3H	2W	
38.71	41.76	3.05	2.26	74	0.56	18	--	3H	2W	
41.76	44.81	3.05	2.5	82	1.18	39	--	3H	2W	
44.81	47.85	3.04	2.89	95	2.55	84	--	3H	2W	
47.85	50.90	3.05	2.9	95	2.20	72	--	3H	2W	
50.90	53.95	3.05	3.05	100	2.36	77	--	3H	2W	
53.95	57.00	3.05	2.89	95	1.90	62	--	3H	2W	
57.00	60.05	3.05	2.92	96	2.13	70	--	3H	2W	
60.05	63.09	3.04	2.96	97	2.32	76	--	3H	2W	
63.09	66.14	3.05	3.02	99	1.42	47	--	3H	2W	
66.14	69.19	3.05	3.05	100	2.76	90	--	4H	1W	
69.19	72.24	3.05	2.95	97	2.59	85	--	4H	1W	
72.24	75.29	3.05	3.02	99	2.71	89	--	4H	1W	
75.29	78.33	3.04	3.04	100	3.04	100	--	3H	1W	
78.33	81.38	3.05	3.05	100	2.29	75	--	3H	1W	
81.38	84.43	3.05	2.99	98	2.27	74	--	4H	1W	
84.43	87.48	3.05	3.03	99	2.62	86	--	4H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
87.48	90.53	3.05	3.04	100	3.02	99	--	4H	1W	
90.53	93.57	3.04	3.01	99	1.92	63	--	4H	1W	
93.57	96.62	3.05	3.04	100	1.74	57	--	4H	1W	
96.62	99.67	3.05	2.98	98	2.67	88	--	5H	1W	
99.67	102.72	3.05	2.97	97	2.97	97	--	4H	1W	
102.72	105.77	3.05	3.05	100	3.05	100	--	4H	1W	
105.77	108.81	3.04	3.04	100	1.90	63	--	4H	1W	
108.81	111.86	3.05	2.86	94	2.10	69	--	3H	1W	
111.86	114.91	3.05	3.05	100	2.92	96	--	5H	1W	
114.91	117.96	3.05	2.83	93	2.35	77	--	5H	1W	
117.96	121.00	3.04	2.98	98	1.85	61	--	4H	1W	

KL-15-246

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
0.00	0.00	0.00	-QC-	0.00	0	R498999	☐	15-017			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R499008	☐	15-017		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R498995	☐	15-017		KL-STD5	☐	☐	☐
12.30	15.08	2.78	GRD	2.34	84	R498993	☐	15-017			☐	☐	☐
61.09	62.34	1.25	GRD	1.14	91	R498994	☐	15-017			☐	☐	☐
62.34	63.15	0.81	GRD	0.81	100	R498996	☐	15-017			☐	☐	☐
63.15	65.12	1.97	GRD	1.85	94	R498997	☐	15-017			☐	☐	☐
65.12	66.47	1.35	GRD	1.34	99	R498998	☐	15-017			☐	☐	☐
66.47	67.59	1.12	GRD, GRD	1.12	100	R499000	☐	15-017			☐	☐	☐
78.43	79.05	0.62	GRD	0.62	100	R499001	☐	15-017			☐	☐	☐
79.05	80.74	1.69	GRD	1.58	93	R499002	☐	15-017			☐	☐	☐
80.74	83.12	2.38	GRD	2.38	100	R499003	☐	15-017			☐	☐	☐
83.12	84.43	1.31	GRD	1.08	82	R499004	☐	15-017			☐	☐	☐
101.26	102.01	0.75	GRD	0.75	100	R499005	☐	15-017			☐	☐	☐
102.01	102.81	0.80	GRD	0.80	100	R499006	☐	15-017			☐	☐	☐
102.81	104.40	1.59	GRD	1.50	94	R499007	☐	15-017			☐	☐	☐
104.40	105.18	0.78	GRD	0.77	99	R499009	☐	15-017			☐	☐	☐
104.40	105.18	0.78	GRD	0.77	99	R499010	☐	15-017			☐	☑	☐
105.18	105.48	0.30	GRD	0.30	100	R499011	☐	15-017			☐	☐	☐
110.50	111.86	1.36	GRD	1.26	93	R499012	☐	15-017			☐	☐	☐

Klaza - Klaza Project

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		382229	6890766	1295.13	309.98

ZONE: Western Klaza

SECTION:

HOLE: KL-15-247

CLAIM:

Contractor: Platinum

Drill: 2

Core Size: HQ

Casing Depth: 3.14m, Out

Drilling Dates: Jun 17 - Jun 20, 2015

Geology Logged By: D. Walsh

SURVEY			
Depth (m)	Azimuth	Dip	Method
5.18	31.9	-50.3	Reflex
309.98	42.9	-46.4	Reflex

TARGET:

SUMMARY			
From (m)	To (m)	Interval (m)	Rock Type
0	3.14	3.14	CAS
3.14	36.46	33.32	GRD
36.46	38.9	2.44	GRD
38.9	40.68	1.78	GRD
40.68	41.69	1.01	BXA
41.69	47.03	5.34	GRD
47.03	57	9.97	GRD
57	100.87	43.87	GRD
100.87	110.25	9.38	GRD
110.25	155.3	45.05	GRD
155.3	156.45	1.15	QFP
156.45	156.76	0.31	BXA
156.76	157.45	0.69	GRD
157.45	188.94	31.49	GRD
188.94	195.65	6.71	GRD
195.65	241.85	46.2	GRD

SAMPLES	
Numbers:	R498455 to R498537, R499262, R499267 to R499272
Total:	90
Batch:	018, 020, 022, 023
Certificates:	WH15092112, WH15092121, WH15092133, WH15092136, WH15095305

COMMENTS

241.85	252.21	10.36	GRD
252.21	267.1	14.89	GRD
267.1	268.34	1.24	GRD
268.34	269.41	1.07	GRD
269.41	270.92	1.51	GRD
270.92	272.64	1.72	GRD
272.64	274.8	2.16	GRD
274.8	281.51	6.71	GRD
281.51	285.18	3.67	GRD
285.18	289.54	4.36	GRD
289.54	294.94	5.4	GRD
294.94	303.3	8.36	GRD
303.3	309.98	6.68	GRD

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
3.14	5.00	1.86	GRD	MG	Primarily unaltered granodiorite. Weak to moderate oxidation along fracture surfaces and patchy goethite staining along fracture surfaces.							
						MD	GY		OXI	3I		
						MD	OR		OXI	2I		
5.00	8.60	3.60	GRD	MG	Pervasively oxidized moderate argillic altered granodiorite. Rubbly patches.							
						MD	OR	RB	ARG	3I		
						LT	WH		OXI	3I		
8.60	14.73	6.13	GRD	MG	Primarily unaltered granodiorite. Weak to moderate oxidation along fracture surfaces and patchy goethite staining along fracture surfaces.							
						MD	GY		OXI	2I		
						MD	OR		OXI	3I		
14.73	18.98	4.25	GRD	MG	Moderate phyllic altered granodiorite with sporadic patches of weak to moderate argillic alteration. Multiple quartz veinlets occurring in phyllic alteration. Sporadic goethite staining along fracture surfaces. Rubbly patches.							
						MD	OR	RB	ARG	3I		
						DK	GN		PHC	3I		
									OXI	3I		
18.98	20.50	1.52	GRD	MG	Primarily unaltered granodiorite. Weak to moderate oxidation along fracture surfaces.							
						MD	GY		OXI	2I		
						MD	OR		OXI	3I		
20.50	22.76	2.26	GRD	MG	Moderate phyllic altered granodiorite with patchy patches of weak to moderate argillic alteration. Multiple quartz veinlets occurring in phyllic alteration. Sporadic goethite staining along fracture surfaces. Rubbly patches.							
						MD	OR	PA	OXI	3I		
						DK	GN	RB	PHC	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
									ARG	2I		
									ARG	3I		
22.76	32.11	9.35	GRD	MG	Primarily unaltered granodiorite. Weak to moderate oxidation along fracture surfaces.							
						MD	GY		OXI	2I		
						MD	OR		OXI	3I		
32.11	35.85	3.74	GRD	MG	Moderately argillic altered granodiorite with small patches of unaltered granodiorite. Interval is very rubbly and broken up. Pervasively moderately to strongly oxidized.							
						MD	OR		OXI	3I		
						LT	WH	RB	ARG	3I		
									OXI	4I		
35.85	36.46	0.61	GRD	MG	Primarily unaltered granodiorite. Weak to moderate oxidation along fracture surfaces.							
						MD	GY		OXI	3I		
						MD	OR					
36.46	38.90	2.44	GRD	MG	Weak to moderately hematized granodiorite with moderate hematite staining along fracture surfaces.							
						MD	RD					
						DK	RD		HEM	3I		
						DK	GY		HEM	2I		
38.90	40.68	1.78	GRD	MG	Moderately argillic altered granodiorite with a weak phyllic/potassic overprint. Argillic alteration transitions to moderate phyllic alteration with proximity to breccia. Moderate oxidation along fracture surfaces.							
						MD	OR		PHC	3I		
						LT	WH		ARG	3I		
						LT	GN		PHC	2I		
									OXI	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
40.68	41.69	1.01	BXA	--	Smoky quartz breccia hosting disseminated pyrite, honey brown sphalerite and galena. Quartz brecciated strongly silicified and phyllic altered granodiorite. Breccia is crosscut by an interconnected net of white and tan carbonate veinlets and stringers.							
						MD	GN	BX	SIL	4I	Py	1
											Sp	1
									PHC	4I	Gn	1
41.69	46.03	4.34	GRD	MG	Silicified moderate phyllic altered granodiorite transitioning to weakly potassic overprinted moderate argillic altered granodiorite. Moderate oxidation along fractures. Oxidation stains core around fractures.							
						MD	OR		OXI	3I		
						LT	GN		PHC	3I		
						LT	WH		ARG	3I		
									POT	2I		
46.03	46.60	0.57	GRD	MG	Moderate phyllic halo surrounding multiple quartz sulphide veins. Moderate oxidation along fractures.							
						MD	OR		OXI	3I		
						LT	GN	EN	PHC	3I		
46.60	47.03	0.43	GRD	MG	Weakly propyllitic and potassic altered granodiorite with moderate oxidation along fracture surfaces.							
						MD	PK		POT	2I		
						MD	OR		OXI	3I		
						DK	GN		PRO	2I		
47.03	51.98	4.95	GRD	MG	Unaltered granodiorite with weak oxidation along fracture surfaces.							
						MD	OR					
						MD	GY		OXI	2I		
51.98	52.46	0.48	GRD	MG	Silicified weakly phyllic/potassic altered granodiorite.							
						LT	GN		PHC	2I		
						LT	GY		POT	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
									SIL	3I		
52.46	53.37	0.91	GRD	MG	Unaltered granodiorite with weak oxidation along fracture surfaces.							
						MD	GY		OXI	2I		
						MD	OR					
53.37	55.30	1.93	GRD	MG	Weakly propyllitic/potassic/argillic altered granodiorite.							
						MD	PK		ARG	2I		
						LT	WH		PRO	2I		
						DK	GN		ARG	2I		
55.30	57.00	1.70	GRD	MG	Unaltered granodiorite with weak oxidation along fracture surfaces.							
						MD	GY		OXI	2I		
						MD	OR					
57.00	81.26	24.26	GRD	MG	Unaltered granodiorite with sporadic weak oxidation along fracture surfaces.							
						MD	GY		OXI	2I		
						MD	OR					
81.26	82.53	1.27	GRD	MG	Moderate phyllic/weak propyllitic envelope with patchy weak argillic alteration around a smokey quartz vein and a gouge vein.							
						MD	GN		PRO	2I		
						LT	GN	EN	PHC	3I		
						DK	GN		ARG	2I		
82.53	83.59	1.06	GRD	MG	Unaltered granodiorite with sporadic weak oxidation along fracture surfaces.							
						MD	GY		OXI	2I		
						MD	OR					
83.59	84.50	0.91	GRD	MG	Moderate argillic alteration envelope with a weak potassic overprint around a pink aplite dyke.							
						MD	PK					
						LT	WH					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
84.50	93.91	9.41	GRD	MG	Unaltered granodiorite with sporadic weak oxidation along fracture surfaces.							
						MD	GY		OXI	2I		
						MD	OR					
93.91	95.02	1.11	GRD	MG	Moderate phyllic altered granodiorite with patchy moderate argillic alteration.							
						LT	GN					
						LT	WH					
95.02	100.87	5.85	GRD	MG	Unaltered granodiorite with sporadic weak oxidation along fracture surfaces.							
						MD	GY		OXI	2I		
						MD	OR					
100.87	101.82	0.95	GRD	MG	Weakly potassic/phyllic overprinted moderate argillic alteration.							
						LT	GN		ARG	3I		
						LT	PK		POT	2I		
						LT	WH		PHC	2I		
101.82	105.15	3.33	GRD	MG	Moderate phyllic altered granodiorite with and an abundance of black breccias.							
						LT	GN		PHC	3I		
105.15	107.15	2.00	GRD	MG	Weakly propyllitic/potassic altered granodiorite.							
						MD	GY		PRO	2I		
						MD	PK					
						DK	GN		POT	2I		
107.15	110.25	3.10	GRD	MG	Weakly potassic overprinted moderate argillic alteration with small phyllic envelopes around black breccias and quartz/carbonate veins and veinlets.							
						MD	PK		ARG	3I		
						LT	WH	EN	POT	2I		
						LT	GN		PHC	3I		
110.25	112.67	2.42	GRD	MG	Trace to weakly potassic/propyllitic altered granodiorite.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GY		PRO	2I		
						MD	PK		PRO	1I		
						DK	GN		POT	2I		
									POT	1I		
112.67	113.58	0.91	GRD	MG	Weakly propyllitic overprinted moderate argillic granodiorite. Hosts multiple quartz/carbonate veinlets and aplite dykes.							
						MD	PK		POT	2I		
						LT	WH		ARG	3I		
						DK	GN		PRO	2I		
113.58	117.49	3.91	GRD	MG	Trace to weakly potassic/propyllitic altered granodiorite.							
						MD	PK		PRO	1I		
						MD	GY		PRO	2I		
						DK	GN		POT	2I		
									POT	1I		
117.49	119.77	2.28	GRD	MG	Weakly propyllitic overprinted moderate argillic granodiorite. Hosts multiple quartz/carbonate veinlets.							
						MD	PK		POT	2I		
						LT	WH		ARG	3I		
						DK	GN		PRO	2I		
119.77	137.26	17.49	GRD	MG	Trace to weakly potassic/propyllitic altered granodiorite.							
						MD	GY		PRO	2I		
						MD	PK		PRO	1I		
						DK	GN		POT	2I		
									POT	1I		
137.26	138.52	1.26	GRD	MG	Moderate phyllic envelope around a grey quartz breccia.							
						LT	GN	EN	PHC	3I		
138.52	155.30	16.78	GRD	MG	Trace to weakly potassic/propyllitic altered granodiorite.							
						MD	PK		PRO	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GY		PRO	1I		
						DK	GN		POT	1I		
									POT	2I		
156.76	157.45	0.69	GRD	MG	Moderate potassic/propyllitic altered granodiorite with patchy moderate argillic alteration.							
						MD	GY		PRO	3I		
						MD	PK					
						DK	GN		POT	3I		
157.45	163.04	5.59	GRD	MG	Trace to weakly potassic/propyllitic altered granodiorite.							
						MD	GY		PRO	1I		
						MD	PK		POT	1I		
						DK	GN		PRO	2I		
									POT	2I		
163.04	163.74	0.70	GRD	MG	Moderate phyllic envelope around a quartz/carbonate/sulphide vein.							
						MD	GN	EN	PHC	3I		
						LT	GN					
163.74	175.52	11.78	GRD	MG	Trace to weakly potassic/propyllitic altered granodiorite.							
						MD	PK		POT	1I		
						MD	GY		PRO	1I		
						DK	GN		PRO	2I		
									POT	2I		
175.52	176.09	0.57	GRD	MG	Moderately phyllic altered granodiorite hosting multiple quartz carbonate veins.							
						LT	GN		PHC	3I		
176.09	188.94	12.85	GRD	MG	Trace to weakly potassic/propyllitic altered granodiorite.							
						MD	GY		PRO	1I		
						MD	PK		POT	1I		
						DK	GN		PRO	2I		
									POT	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
188.94	189.53	0.59	GRD	MG	Moderate phyllic and weak propyllitic altered granodiorite. Hosts multiple quartz/carbonate veins.							
						MD	GN					
						LT	GN		PHC	3I		
						DK	GN		PRO	2I		
189.53	190.59	1.06	GRD	MG	Weakly potassic overprinted argillic alteration with patchy weak propyllitic alteration.							
						MD	PK		POT	2I		
						LT	WH		PRO	2I		
						DK	GN		ARG	3I		
190.59	191.74	1.15	GRD	MG	Moderate phyllic altered granodiorite hosting multiple quartz carbonate veins and veinlets.							
						MD	GN					
						LT	GN		PHC	3I		
191.74	192.88	1.14	GRD	MG	Weakly potassic overprinted moderate argillic alteration. Patchy weak propyllitic alteration. Small phyllic envelopes around quartz/carbonate veinlets.							
						MD	PK		PRO	2I		
						LT	WH	PA	ARG	3I		
						LT	GN		PHC	2I		
						DK	GN		POT	2I		
192.88	193.30	0.42	GRD	MG	Dimictic breccia. Sub-angular to sub-rounded sand to cobble sized clasts of phyllic and argillic altered granodiorite and quartz feldspar porphyry dyke in a grey quartz matrix. Hosts trace amounts of disseminated pyrite, sphalerite and galena.							
						DK	GY	BX			Py	1
											Gn	1
											Sp	1
193.30	195.65	2.35	GRD	MG	Potassic overprinted argillic alteration with small phyllic envelopes surrounding dimictic breccias and quartz/carbonate veins.							
						MD	GN		PHC	3I		
						MD	PK		POT	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	WH		ARG	3I		
						LT	GN					
195.65	215.55	19.90	GRD	MG	Trace to weakly potassic/propyllitic altered granodiorite.							
						MD	GY		PRO	1I		
						MD	PK		PRO	2I		
						DK	GN		POT	1I		
									POT	2I		
217.06	228.10	11.04	GRD	MG	Trace to weakly potassic/propyllitic altered granodiorite							
						MD	GY		PRO	1I		
						MD	PK		PRO	2I		
						DK	GN		POT	1I		
									POT	2I		
228.10	228.60	0.50	GRD	MG	Weak phyllic/propyllitic envelopes around two quartz/carbonate/sulphide veins. Phyllic/propyllitic alteration transition to propyllitic/potassic overprinted argillic alteration distally from vein.							
						MD	GN	EN	PHC	2I		
						MD	PK		ARG	3I		
						LT	WH		POT	2I		
						DK	GN		PRO	2I		
228.60	238.45	9.85	GRD	MG	Trace to weakly potassic/propyllitic altered granodiorite							
						MD	GY		PRO	1I		
						MD	PK		PRO	2I		
						DK	GN		POT	1I		
									POT	2I		
238.45	239.09	0.64	GRD	MG	Weakly potassic overprinted moderate argillic altered granodiorite.							
						MD	PK		POT	2I		
						LT	WH		ARG	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
239.09	241.85	2.76	GRD	MG	Trace to weakly potassic/propyllitic altered granodiorite							
						MD	GY		PRO	1I		
						MD	PK		PRO	2I		
						DK	GN		POT	1I		
									POT	2I		
241.85	245.84	3.99	GRD	MG	Weakly propyllitic/potassic overprinted argillic alteration with sporadic patches of moderate propyllitic/potassic alteration and a few phyllic envelopes around carbonate veining.							
						MD	PK		POT	2I		
						MD	GN		PRO	3I		
						LT	WH	PA	ARG	3I		
						LT	GN		PRO	3I		
						DK	GN		PHC	3I		
									POT	3I		
245.84	252.21	6.37	GRD	MG	Moderate phyllic altered granodiorite with patchy weak propyllitic alteration. Hosts multiple small quartz/carbonate +/- sulphide veins.							
						MD	GN		PRO	2I		
						LT	GN		PHC	3I		
						DK	GN					
252.21	267.10	14.89	GRD	MG	Trace to weakly potassic/propyllitic altered granodiorite.							
						MD	GY		PRO	1I		
						MD	PK		PRO	2I		
						DK	GN		POT	1I		
									POT	2I		
267.10	268.34	1.24	GRD	MG	Silicified moderate phyllic altered granodiorite with patchy weak propyllitic alteration. Hosting two quartz/carbonate/sulphide klaza zone veins.							
						MD	GN		PHC	3I		
						LT	GN	EN	SIL	3I		
						DK	GN		PRO	2I		
268.34	269.41	1.07	GRD	MG	Trace to weakly potassic/propyllitic altered granodiorite.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GY		PRO	1I		
						MD	PK		PRO	2I		
						DK	GN		POT	1I		
									POT	2I		
269.41	270.92	1.51	GRD	MG	Moderate phyllic alteration with patchy weak argillic/potassic alteration. Alteration forms an envelope around a quartz/carbonate sulphide vein.							
						MD	GN	EN	PHC	3I		
						MD	PK					
						LT	GN		POT	2I		
						LT	WH		ARG	2I		
270.92	272.64	1.72	GRD	MG	Weak to moderately propyllitic altered granodiorite with weak potassic alteration.							
						MD	GY		PRO	2I		
						MD	PK		POT	2I		
						DK	GN		PRO	3I		
272.64	274.80	2.16	GRD	MG	Moderate phyllic altered granodiorite hosting multiple klaza zone quartz/carbonate/ sulphide veins.							
						MD	GN	EN	PHC	3I		
						LT	GN					
274.80	281.51	6.71	GRD	MG	Weak to moderate propylitic/potassic altered granodiorite.							
						MD	GY		PRO	2I		
						MD	PK		POT	2I		
						DK	GN		PRO	3I		
									POT	3I		
281.51	285.18	3.67	GRD	MG	Moderate phyllic altered granodiorite with patchy weak to moderate propyllitic alteration. Hosts multiple quartz/carbonate +/- sulphide veins.							
						MD	GN		PRO	2I		
						LT	GN		PHC	3I		
						DK	GN		PRO	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
285.18	289.54	4.36	GRD	MG	Weak to moderate potassic/propyllitic altered granodiorite.							
						MD	GY		PRO	3I		
						MD	PK		POT	2I		
						DK	GN		PRO	2I		
									POT	3I		
289.54	294.94	5.40	GRD	MG	Moderate phyllic envelopes surrounding quartz/carbonate +/-sulphide veins. Phyllic envelopes are broken up by moderate propyllitic/potassic altered granodiorite with patchy potassic overprinted argillic alteration.							
						MD	GN	PA	PRO	2I		
						MD	PK		POT	2I		
						LT	GN	EN	PHC	3I		
						LT	WH		POT	3I		
						DK	GN		PRO	3I		
									ARG	3I		
294.94	302.20	7.26	GRD	MG	Alternating patches of weak to moderate potassic/propyllitic alteration and weakly potassic/propyllitic overprinted argillic alteration.							
						MD	PK		PRO	3I		
						LT	WH		POT	2I		
						DK	GN	PA	PRO	2I		
									POT	3I		
									ARG	3I		
302.20	302.50	0.30	GRD	MG	Phyllic envelope around a quartz/carbonate sulphide vein.							
						LT	GN	EN	PHC	3I		
302.50	303.30	0.80	GRD	MG	Alternating patches of weak to moderate potassic/propyllitic alteration and weakly potassic/propyllitic overprinted argillic alteration.							
						MD	PK		PRO	3I		
						LT	WH		POT	2I		
						DK	GN	PA	PRO	2I		
									ARG	3I		
									POT	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
303.30	306.72	3.42	GRD	MG	Trace to weakly propyllitic/potassic altered granodiorite.							
						MD	GY		PRO	1I		
						MD	PK		POT	1I		
						DK	GN		PRO	2I		
									POT	2I		
306.72	307.69	0.97	GRD	MG	Weakly potassic overprinted argillic alteration.							
						MD	PK		ARG	3I		
						LT	WH		POT	2I		
307.69	309.98	2.29	GRD	MG	Trace to weakly propyllitic/potassic altered granodiorite.							
						MD	GY		PRO	1I		
						MD	PK		POT	1I		
						DK	GN		PRO	2I		
									POT	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
3.14	36.46	33.32	GRD	MG	Primarily unaltered granodiorite with patchy argillic alteration and phyllic halos around quartz +/- carbonate veining. Weak to moderate oxidation along fracture surfaces and patchy goethite staining along fracture surfaces. Pervasive moderate oxidation through alteration patches.							
						MD	GY		OXI	3I		
						MD	OR		OXI	2I		
36.46	38.90	2.44	GRD	MG	Weak to moderately hematized granodiorite with moderate hematite staining along fracture surfaces.							
						DK	RD		HEM	3I		
						MD	RD					
						DK	GY		HEM	2I		
38.90	40.68	1.78	GRD	MG	Moderately argillic altered granodiorite with a weak phyllic/potassic overprint. Argillic alteration transitions to moderate phyllic alteration with proximity to breccia. Moderate oxidation along fracture surfaces.							
									OXI	3I		
						MD	OR		PHC	3I		
						LT	GN		PHC	2I		
						LT	WH		ARG	3I		
40.68	41.69	1.01	BXA	--	Smoky quartz breccia hosting disseminated pyrite, honey brown sphalerite and galena. Quartz brecciated strongly silicified and phyllic altered granodiorite. Breccia is crosscut by an interconnected net of white and tan carbonate veinlets and stringers.							
											Sp	1
									PHC	4I	Gn	1
						MD	GN	BX	SIL	4I	Py	1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
41.69	47.03	5.34	GRD	MG	Silicified moderate phyllic altered granodiorite transitioning to weakly potassic overprinted moderate argillic altered granodiorite. Moderate oxidation along fractures. Oxidation stains core around fractures.							
						LT	GN		PHC	3I		
									POT	2I		
						LT	WH		ARG	3I		
						MD	OR		OXI	3I		
47.03	57.00	9.97	GRD	MG	Unaltered granodiorite with weak oxidation along fracture surfaces.							
						MD	GY		OXI	2I		
						MD	OR					
57.00	100.87	43.87	GRD	MG	Unaltered granodiorite with sporadic weak oxidation along fracture surfaces. Trace potassic/propyllitic altered granodiorite.							
						MD	OR					
						MD	GY		OXI	2I		
100.87	110.25	9.38	GRD	MG	Alternating patches of moderate phyllic alteration and weakly potassic overprinted moderate argillic alteration. Phyllic alteration hosts black breccias and quartz carbonate veining.							
						MD	GN		ARG	3I		
						LT	GN		PHC	3I		
						LT	WH		POT	2I		
110.25	155.30	45.05	GRD	MG	Trace to weakly potassic/propyllitic altered granodiorite.							
						MD	GY		PRO	1I		
						DK	GN		POT	1I		
						MD	PK					
156.45	156.76	0.31	BXA	--	Grey to smokey quartz breccia in phyllic altered granodiroite. Breccia is partially gouge altered . Breccia hosts disseminated pyrite.							
											Py	1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
156.76	157.45	0.69	GRD	MG	Moderate potassic/propyllitic altered granodiorite with patchy moderate argillic alteration.							
						MD	GY		PRO	3I		
						MD	PK					
						DK	GN		POT	3I		
157.45	188.94	31.49	GRD	MG	Trace to weakly potassic/propyllitic altered granodiorite.							
									POT	2I		
						MD	PK		POT	1I		
						MD	GY		PRO	1I		
						DK	GN		PRO	2I		
188.94	195.65	6.71	GRD	MG	Alternating patches of moderate phyllic alteration and potassic overprinted moderate argillic alteration. Phyllic alteration hosts multiple breccias and quartz/carbonate veins.							
						DK	GN	PA	PHC	3I		
						MD	PK		ARG	3I		
						LT	GN		POT	2I		
						LT	WH					
195.65	241.85	46.20	GRD	MG	Trace to weakly potassic/propyllitic altered granodiorite.							
						MD	PK		PRO	2I		
						MD	GY		PRO	1I		
						DK	GN		POT	1I		
									POT	2I		
241.85	252.21	10.36	GRD	MG	Moderate phyllic and weak propyllitic altered granodiorite with patches of potassic overprinted moderate argillic alteration. Hosts multiple small quartz/carbonate +/-sulphide veins.							
						MD	PK					
						LT	WH		ARG	3I		
						MD	GN		PRO	2I		
						LT	GN	PA	PHC	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						DK	GN		POT	2I		
252.21	267.10	14.89	GRD	MG	Trace to weakly potassic/propyllitic altered granodiorite.							
						MD	GY		PRO	1I		
						MD	PK		PRO	2I		
						DK	GN		POT	1I		
									POT	2I		
267.10	268.34	1.24	GRD	MG	Silicified moderate phyllic altered granodiorite with patchy weak propyllitic alteration. Hosting two quartz/carbonate/sulphide klaza zone veins.							
						DK	GN		PRO	2I		
						LT	GN	EN	SIL	3I		
						MD	GN		PHC	3I		
268.34	269.41	1.07	GRD	MG	Trace to weakly potassic/propyllitic altered granodiorite.							
						MD	GY		PRO	1I		
						DK	GN		POT	1I		
									POT	2I		
						MD	PK		PRO	2I		
269.41	270.92	1.51	GRD	MG	Moderate phyllic alteration with patchy weak argillic/potassic alteration. Alteration forms an envelope around a quartz/carbonate sulphide vein.							
						MD	GN	EN	PHC	3I		
						LT	GN		POT	2I		
						LT	WH		ARG	2I		
						MD	PK					
270.92	272.64	1.72	GRD	MG	Weak to moderately propyllitic altered granodiorite with weak potassic alteration.							
						MD	PK		POT	2I		
						DK	GN		PRO	3I		
						MD	GY		PRO	2I		
272.64	274.80	2.16	GRD	MG	Moderate phyllic altered granodiorite hosting multiple klaza zone quartz/carbonate/ sulphide veins.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	GN					
						MD	GN	EN	PHC	3I		
274.80	281.51	6.71	GRD	MG	Weak to moderate propylitic/potassic altered granodiorite.							
						DK	GN		PRO	3I		
						MD	GY		PRO	2I		
						MD	PK		POT	2I		
									POT	3I		
281.51	285.18	3.67	GRD	MG	Moderate phyllic altered granodiorite with patchy weak to moderate propyllitic alteration. Hosts multiple quartz/carbonate +/- sulphide veins.							
						DK	GN		PRO	3I		
						MD	GN		PRO	2I		
						LT	GN		PHC	3I		
285.18	289.54	4.36	GRD	MG	Weak to moderate potassic/propyllitic altered granodiorite.							
						DK	GN		PRO	2I		
						MD	GY		PRO	3I		
						MD	PK		POT	2I		
									POT	3I		
289.54	294.94	5.40	GRD	MG	Moderate phyllic envelopes surrounding quartz/carbonate +/-sulphide veins. Phyllic envelopes are broken up by moderate propyllitic/potassic altered granodiorite with patchy potassic overprinted argillic alteration.							
						MD	PK		POT	2I		
						LT	GN	EN	PHC	3I		
						DK	GN		PRO	3I		
						LT	WH		POT	3I		
									ARG	3I		
						MD	GN	PA	PRO	2I		
294.94	303.30	8.36	GRD	MG	Alternating patches of weak to moderate potassic/propyllitic alteration and weakly potassic/propyllitic overprinted argillic alteration.							
						DK	GN	PA	PRO	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	PK		PRO	3I		
						LT	WH		POT	2I		
									POT	3I		
									ARG	3I		
303.30	309.98	6.68	GRD	MG	Trace to weakly propyllitic/potassic altered granodiorite.							
						MD	GY		PRO	1I		
						DK	GN		PRO	2I		
						MD	PK		POT	1I		
									POT	2I		

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
0.00	3.14	3.14	0	0	0.00	0	--	--	--	Casing/OVB. No recovery.
3.14	5.18	2.04	1.64	80	0.29	14	--	3H	2W	
5.18	8.23	3.05	2.3	75	1.01	33	--	2H	2W	
8.23	11.28	3.05	2.56	84	1.75	57	--	3H	2W	
11.28	14.33	3.05	2.46	81	1.27	42	--	3H	2W	
14.33	17.37	3.04	2.75	90	1.36	45	--	3H	2W	
17.37	20.42	3.05	2.63	86	1.17	38	--	3H	2W	
20.42	23.47	3.05	2.66	87	1.59	52	--	3H	2W	
23.47	26.52	3.05	2.58	85	1.74	57	--	3H	2W	
26.52	29.57	3.05	2.42	79	1.15	38	--	3H	2W	
29.57	32.61	3.04	2.42	80	1.23	40	--	3H	2W	
32.61	35.66	3.05	2.61	86	0.69	23	--	2H	3W	
35.66	38.71	3.05	2.49	82	1.39	46	--	3H	2W	
38.71	41.76	3.05	2.61	86	2.01	66	--	3H	2W	
41.76	44.81	3.05	2.65	87	1.90	62	--	3H	2W	
44.81	47.85	3.04	2.59	85	1.39	46	--	4H	1W	
47.85	50.90	3.05	2.48	81	1.38	45	--	5H	1W	
50.90	53.95	3.05	3.05	100	2.38	78	--	4H	1W	
53.95	57.00	3.05	2.96	97	2.04	67	--	3H	1W	
57.00	60.05	3.05	3.02	99	2.42	79	--	4H	1W	
60.05	63.09	3.04	2.99	98	2.22	73	--	5H	1W	
63.09	66.14	3.05	2.99	98	2.83	93	--	5H	1W	
66.14	69.19	3.05	2.97	97	2.28	75	--	5H	1W	
69.19	72.24	3.05	2.86	94	1.61	53	--	5H	1W	
72.24	75.29	3.05	1.04	34	0.10	3	--	2H	1W	
75.29	78.33	3.04	2.12	70	0.86	28	--	4H	1W	
78.33	81.38	3.05	3.04	100	1.78	58	--	4H	1W	
81.38	84.43	3.05	2.92	96	1.69	55	--	4H	1W	
84.43	87.48	3.05	2.92	96	1.83	60	--	4H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
87.48	90.52	3.04	3.02	99	2.00	66	--	4H	1W	
90.52	93.57	3.05	2.75	90	2.14	70	--	3H	1W	
93.57	96.62	3.05	2.82	92	1.69	55	--	4H	1W	
96.62	99.67	3.05	3.05	100	1.71	56	--	4H	1W	
99.67	102.72	3.05	3.05	100	2.62	86	--	4H	1W	
102.72	105.77	3.05	3.02	99	2.36	77	--	4H	1W	
105.77	108.81	3.04	3.04	100	2.20	72	--	4H	1W	
108.81	111.86	3.05	3	98	1.88	62	--	3H	1W	
111.86	114.91	3.05	2.94	96	2.64	87	--	4H	1W	
114.91	117.96	3.05	3.05	100	2.21	72	--	3H	1W	
117.96	121.01	3.05	2.99	98	2.18	71	--	3H	1W	
121.01	124.05	3.04	3	99	2.23	73	--	4H	1W	
124.05	127.10	3.05	3.05	100	2.65	87	--	4H	1W	
127.10	130.15	3.05	3.05	100	2.88	94	--	4H	1W	
130.15	133.20	3.05	3.03	99	2.88	94	--	4H	1W	
133.20	136.25	3.05	3.05	100	2.17	71	--	4H	1W	
136.25	139.29	3.04	3.04	100	2.37	78	--	4H	1W	
139.29	142.34	3.05	3.05	100	2.57	84	--	4H	1W	
142.34	145.39	3.05	3.05	100	2.62	86	--	4H	1W	
145.39	148.44	3.05	3.05	100	2.82	92	--	4H	1W	
148.44	151.49	3.05	3.02	99	2.70	89	--	4H	1W	
151.49	154.53	3.04	3.04	100	1.91	63	--	4H	1W	
154.53	157.58	3.05	3.05	100	1.93	63	--	3H	1W	
157.58	160.63	3.05	3.05	100	1.71	56	--	4H	1W	
160.63	163.68	3.05	3.05	100	2.17	71	--	4H	1W	
163.68	166.73	3.05	3.05	100	1.48	49	--	4H	1W	
166.73	169.77	3.04	3.04	100	2.45	81	--	4H	1W	
169.77	172.82	3.05	3.05	100	2.25	74	--	4H	1W	
172.82	175.87	3.05	3.05	100	2.34	77	--	4H	1W	
175.87	178.92	3.05	3.05	100	2.61	86	--	4H	1W	
178.92	181.97	3.05	3.05	100	2.07	68	--	4H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
181.97	185.01	3.04	3.04	100	2.85	94	--	4H	1W	
185.01	188.06	3.05	3.02	99	2.32	76	--	4H	1W	
188.06	191.11	3.05	3.02	99	2.64	87	--	4H	1W	
191.11	194.16	3.05	3.01	99	2.00	66	--	4H	1W	
194.16	197.21	3.05	3.05	100	2.99	98	--	4H	1W	
197.21	200.25	3.04	3.04	100	2.48	82	--	4H	1W	
200.25	203.30	3.05	3.05	100	2.30	75	--	4H	1W	
203.30	206.35	3.05	3.05	100	2.81	92	--	4H	1W	
206.35	209.40	3.05	3.05	100	2.54	83	--	4H	1W	
209.40	212.45	3.05	3.03	99	2.66	87	--	4H	1W	
212.45	215.49	3.04	3.04	100	2.82	93	--	4H	1W	
215.49	218.54	3.05	3.05	100	2.77	91	--	4H	1W	
218.54	221.59	3.05	3.05	100	2.90	95	--	4H	1W	
221.59	224.64	3.05	2.96	97	2.66	87	--	4H	1W	
224.64	227.69	3.05	3.05	100	2.14	70	--	4H	1W	
227.69	230.73	3.04	2.99	98	2.70	89	--	4H	1W	
230.73	233.78	3.05	3.05	100	2.78	91	--	4H	1W	
233.78	236.83	3.05	3.05	100	2.39	78	--	4H	1W	
236.83	239.88	3.05	3.05	100	2.86	94	--	4H	1W	
239.88	242.93	3.05	3.02	99	2.42	79	--	3H	1W	
242.93	245.98	3.05	3.05	100	2.65	87	--	4H	1W	
245.98	249.02	3.04	3.04	100	2.56	84	--	4H	1W	
249.02	252.07	3.05	3.05	100	2.56	84	--	4H	1W	
252.07	255.12	3.05	3.05	100	2.83	93	--	4H	1W	
255.12	258.17	3.05	3.05	100	2.81	92	--	4H	1W	
258.17	261.21	3.04	2.97	98	2.34	77	--	3H	1W	
261.21	264.26	3.05	3.04	100	2.31	76	--	4H	1W	
264.26	267.31	3.05	3.05	100	1.79	59	--	3H	1W	
267.31	270.36	3.05	2.91	95	2.12	70	--	3H	1W	
270.36	273.41	3.05	3.05	100	2.18	71	--	3H	1W	
273.41	276.45	3.04	3	99	2.83	93	--	3H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
276.45	279.50	3.05	3.05	100	2.26	74	--	3H	1W	
279.50	282.55	3.05	2.9	95	2.33	76	--	3H	1W	
282.55	285.60	3.05	3	98	1.98	65	--	3H	1W	
285.60	288.65	3.05	2.96	97	1.91	63	--	3H	1W	
288.65	291.70	3.05	3.02	99	1.70	56	--	3H	1W	
291.70	294.74	3.04	3.04	100	1.80	59	--	3H	1W	
294.74	297.79	3.05	3.02	99	2.40	79	--	3H	1W	
297.79	300.84	3.05	2.98	98	2.05	67	--	3H	1W	
300.84	303.89	3.05	3	98	2.14	70	--	3H	1W	
303.89	306.93	3.04	3.01	99	1.94	64	--	4H	1W	
306.93	309.98	3.05	2.77	91	2.34	77	--	4H	1W	

KL-15-247

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
0.00	0.00	0.00	-QC-	0.00	0	R498471	☐	15-018			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R498473	☐	15-018		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R498479	☐	15-018			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R498497	☐	15-020		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R498511	☐	15-020		KL-STD6	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R498513	☐	15-020			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R498522	☐	15-020			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R499270	☐	15-023	HG 2	KL-STD6	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R498459	☐	15-018		KL-STD5	☐	☐	☐
5.18	5.76	0.58	GRD	0.54	93	R498455	☐	15-018			☐	☐	☐
38.90	40.70	1.80	GRD, GRD	1.77	98	R498456	☐	15-018			☐	☐	☐
40.70	41.93	1.23	BXA	1.23	100	R499262	☐	15-023	HG 2		☐	☐	☐
41.93	44.52	2.59	GRD	2.49	96	R498457	☐	15-018			☐	☐	☐
44.52	45.95	1.43	GRD	1.43	100	R498458	☐	15-018			☐	☐	☐
45.95	46.59	0.64	GRD	0.64	100	R498460	☐	15-018			☐	☐	☐
46.59	47.59	1.00	GRD	1.00	100	R498461	☐	15-018			☐	☐	☐
81.28	81.80	0.52	GRD	0.52	100	R498462	☐	15-018			☐	☐	☐
81.80	82.14	0.34	GRD	0.34	100	R498463	☐	15-018			☐	☐	☐
82.14	83.00	0.86	GRD	0.82	95	R498464	☐	15-018			☐	☐	☐
82.14	83.00	0.86	GRD	0.82	95	R498465	☐	15-018			☐	☐	☑
100.80	101.80	1.00	GRD	1.00	100	R498466	☐	15-018			☐	☐	☐
101.80	102.21	0.41	GRD	0.41	100	R498467	☐	15-018			☐	☐	☐
102.21	102.65	0.44	GRD	0.44	100	R498468	☐	15-018			☐	☐	☐
102.65	103.46	0.81	GRD	0.81	100	R498469	☐	15-018			☐	☐	☐
103.46	104.73	1.27	GRD	1.27	100	R498470	☐	15-018			☐	☐	☐
104.73	106.05	1.32	GRD	1.31	99	R498472	☐	15-018			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
106.05	107.20	1.15	GRD	1.15	100	R498474	☐	15-018			☐	☐	☐
107.20	108.24	1.04	GRD	1.04	100	R498475	☐	15-018			☐	☐	☐
108.24	109.82	1.58	GRD	1.58	100	R498476	☐	15-018			☐	☐	☐
162.14	163.14	1.00	GRD	1.00	100	R498477	☐	15-018			☐	☐	☐
163.14	163.44	0.30	GRD	0.30	100	R498478	☐	15-018			☐	☐	☐
163.44	164.46	1.02	GRD	1.00	98	R498480	☐	15-018			☐	☐	☐
189.09	189.57	0.48	GRD	0.45	94	R498481	☐	15-018			☐	☐	☐
189.57	190.70	1.13	GRD	1.13	100	R498482	☐	15-018			☐	☐	☐
189.57	190.70	1.13	GRD	1.13	100	R498483	☐	15-018			☐	☑	☐
190.70	191.74	1.04	GRD	1.04	100	R498484	☐	15-018			☐	☐	☐
191.74	192.34	0.60	GRD	0.60	100	R498485	☐	15-018			☐	☐	☐
192.34	192.86	0.52	GRD	0.52	100	R498486	☐	15-018			☐	☐	☐
192.86	193.45	0.59	GRD	0.59	100	R498487	☐	15-018			☐	☐	☐
193.45	194.40	0.95	GRD	0.95	100	R498488	☐	15-018			☐	☐	☐
194.40	195.56	1.16	GRD	1.15	99	R498489	☐	15-020			☐	☐	☐
195.56	196.40	0.84	GRD	0.84	100	R498490	☐	15-020			☐	☐	☐
241.86	243.59	1.73	GRD	1.73	100	R498491	☐	15-020			☐	☐	☐
243.59	244.16	0.57	GRD	0.56	98	R498492	☐	15-020			☐	☐	☐
244.16	245.84	1.68	GRD	1.68	100	R498493	☐	15-020			☐	☐	☐
244.16	245.84	1.68	GRD	1.68	100	R498494	☐	15-020			☐	☑	☐
245.84	246.42	0.58	GRD	0.58	100	R498495	☐	15-020			☐	☐	☐
246.42	248.44	2.02	GRD	2.02	100	R498496	☐	15-020			☐	☐	☐
248.44	249.02	0.58	GRD	0.58	100	R498498	☐	15-020			☐	☐	☐
249.02	249.61	0.59	GRD	0.59	100	R498499	☐	15-020			☐	☐	☐
249.61	250.44	0.83	GRD	0.83	100	R498500	☐	15-020			☐	☐	☐
250.44	251.69	1.25	GRD	1.25	100	R498501	☐	15-020			☐	☐	☐
251.69	252.92	1.23	GRD	1.23	100	R498502	☐	15-020			☐	☐	☐
266.26	267.26	1.00	GRD	1.00	100	R498503	☐	15-020			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
267.26	267.63	0.37	GRD	0.37	100	R498504	☐	15-020			☐	☐	☐
267.63	268.12	0.49	GRD	0.49	100	R499267	☐	15-023	HG 2		☐	☐	☐
268.12	268.45	0.33	GRD	0.33	100	R498505	☐	15-020			☐	☐	☐
268.45	269.45	1.00	GRD	1.00	100	R498506	☐	15-020			☐	☐	☐
269.45	270.02	0.57	GRD	0.57	100	R498507	☐	15-020			☐	☐	☐
270.02	270.36	0.34	GRD	0.34	100	R499268	☐	15-023	HG 2		☐	☐	☐
270.36	270.83	0.47	GRD	0.47	100	R498508	☐	15-020			☐	☐	☐
270.36	270.83	0.47	GRD	0.47	100	R498509	☐	15-020			☐	☐	☑
270.83	273.13	2.30	GRD	2.30	100	R498510	☐	15-020			☐	☐	☐
273.13	274.08	0.95	GRD	0.95	100	R498512	☐	15-020			☐	☐	☐
274.08	274.40	0.32	GRD	0.32	100	R499269	☐	15-023	HG 2		☐	☐	☐
274.40	274.74	0.34	GRD	0.34	100	R498514	☐	15-020			☐	☐	☐
274.74	276.45	1.71	GRD	1.71	100	R498515	☐	15-020			☐	☐	☐
276.45	279.50	3.05	GRD	3.05	100	R498516	☐	15-020			☐	☐	☐
279.50	281.50	2.00	GRD	1.95	98	R498517	☐	15-020			☐	☐	☐
281.50	282.80	1.30	GRD	1.30	100	R498518	☐	15-020			☐	☐	☐
282.80	283.10	0.30	GRD	0.30	100	R498519	☐	15-020			☐	☐	☐
283.10	284.49	1.39	GRD	1.39	100	R498520	☐	15-020			☐	☐	☐
284.49	284.82	0.33	GRD	0.33	100	R498521	☐	15-020			☐	☐	☐
284.82	285.19	0.37	GRD	0.37	100	R498523	☐	15-020			☐	☐	☐
285.19	287.04	1.85	GRD	1.85	100	R498524	☐	15-020			☐	☐	☐
287.04	288.81	1.77	GRD	1.77	100	R498525	☐	15-022			☐	☐	☐
288.81	289.64	0.83	GRD	0.83	100	R498526	☐	15-022			☐	☐	☐
289.64	290.54	0.90	GRD	0.90	100	R498527	☐	15-022			☐	☐	☐
289.64	290.54	0.90	GRD	0.90	100	R498528	☐	15-022			☐	☐	☑
290.54	291.42	0.88	GRD	0.87	99	R498529	☐	15-022			☐	☐	☐
291.42	293.62	2.20	GRD	2.20	100	R498530	☐	15-022			☐	☐	☐
293.62	293.96	0.34	GRD	0.34	100	R499271	☐	15-023	HG 2		☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
293.96	294.99	1.03	GRD	1.03	100	R498531	☐	15-022			☐	☐	☐
294.99	296.71	1.72	GRD	1.71	99	R498532	☐	15-022			☐	☐	☐
296.71	297.53	0.82	GRD	0.82	100	R498533	☐	15-022			☐	☐	☐
297.53	299.42	1.89	GRD	1.89	100	R498534	☐	15-022			☐	☐	☐
299.42	302.20	2.78	GRD	2.76	99	R498535	☐	15-022			☐	☐	☐
299.42	302.20	2.78	GRD	2.76	99	R498536	☐	15-022			☐	☑	☐
302.20	302.58	0.38	GRD	0.38	100	R499272	☐	15-023	HG 2		☐	☐	☐
302.58	303.58	1.00	GRD	1.00	100	R498537	☐	15-022			☐	☐	☐

Klaza - Klaza Project

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		382773	6889053	1435.69	293.52

ZONE: Eastern BRX

SECTION: BRX 10+900

HOLE: KL-15-248

CLAIM:

Contractor: Platinum

Drill: 1

Core Size: HQ3

Casing Depth: 3.33m, Out

Drilling Dates: Jun 18 - Jun 21, 2015

Geology Logged By: T. Cruz

SURVEY			
Depth (m)	Azimuth	Dip	Method
2.13	36	-50.2	Reflex
291.69	39.8	-51.4	Reflex

TARGET:

SUMMARY			
From (m)	To (m)	Interval (m)	Rock Type
0	3.33	3.33	CAS
3.33	6.35	3.02	GRD
6.35	11.25	4.9	GRD
11.25	35.84	24.59	QFP
35.84	37.7	1.86	QFP
37.7	73.45	35.75	QFP
73.45	76.22	2.77	GRD
76.22	97.32	21.1	QFP
97.32	97.74	0.42	BXA
97.74	111.86	14.12	QFP
111.86	111.96	0.1	VEN
111.96	117.96	6	GRD
117.96	120.54	2.58	QFP
120.54	121.81	1.27	GRD
121.81	122.15	0.34	QFP
122.15	124.74	2.59	GRD

SAMPLES	
Numbers:	R499013 to R499137, R499263 to R499266, R499273 to R499277
Total:	134
Batch:	017, 019, 021, 023, 024, 025, 037
Certificates:	WH15092110, WH15092114, WH15092124, WH15092136, WH15092138, WH15094118, WH15095305, WH15096152, WH15097593

COMMENTS

124.74	127.87	3.13	GRD
127.87	131.8	3.93	GRD
131.8	137.2	5.4	GRD
137.2	140.45	3.25	GRD
140.45	157.96	17.51	GRD
157.96	168.8	10.84	GRD
168.8	177.2	8.4	GRD
177.2	184.14	6.94	GRD
184.14	185.7	1.56	GRD
185.7	194.57	8.87	GRD
194.57	196.87	2.3	GRD
196.87	203.6	6.73	GRD
203.6	207.91	4.31	GRD
207.91	216.51	8.6	GRD
216.51	216.65	0.14	BXA
216.65	220.97	4.32	QFP
220.97	230.3	9.33	GRD
230.3	231.62	1.32	GRD
231.62	237.18	5.56	GRD
237.18	242.93	5.75	GRD
242.93	243.9	0.97	BXA
243.9	245.56	1.66	GRD
245.56	271.65	26.09	GRD
271.65	272.82	1.17	GRD
272.82	273.22	0.4	VEN
273.22	293.52	20.3	GRD

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
3.33	6.35	3.02	GRD	MG	Partially fractured fresh granodiorite with oxide staining and some clay on fractures.							
						MD	GY	FR	OXI	3I		
						MD	BN					
						MD	OR					
6.35	11.25	4.90	GRD	MG	Rubbly, intensely fractured granodiorite with pervasive oxide and clay alteration. Cut by a massive quartz vein that is broken to pebbly rubble.							
						MD	BN	RB	OXI	4I		
						MD	OR	FR	CLY	3I		
11.25	18.07	6.82	QFP	FG	Moderate-strong pervasively oxide stained quartz feldspar porphyry dyke with clay along fractures. Cut by some calcite veinlets at 17.70m.							
						MD	BN	PO	CLY	2I		
						LT	OR	FR	OXI	4I		
									HYD	4I		
18.07	24.61	6.54	QFP	FG	Medium green-grey quartz feldspar porphyry dyke with weak oxide staining stemming from fractures. Some fractures have trace clay development. Disseminated pyrite in groundmass at 23.75m.							
						MD	GY	PO	HYD	3I	Py	0.1
						MD	GN	FR	OXI	2I		
24.61	29.01	4.40	QFP	FG	Pervasively oxide stained quartz feldspar porphyry dyke, so groundmass and phenocrysts are entirely brown in varying shades. Cut by netted clay-infilled fractures and calcite stringers.							
						MD	BN	PO	CLY	1I		
									OXI	3I		
									HYD	4I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
29.01	32.28	3.27	QFP	FG	Medium green-grey quartz feldspar porphyry dyke, which lightens near zones of stronger fracturing. Trace-weak oxide staining on fractures. Trace disseminated pyrite in groundmass.							
						MD	GN	PO	HYD	3I	Py	0.1
						MD	GY	FR	OXI	1I		
						LT	BN					
32.28	35.84	3.56	QFP	FG	Fractured quartz feldspar porphyry dyke with semi-pervasive oxide staining. Weak-trace clay development on fractures. Cut by quartz-pyrite veinlets.							
									HYD	4I	Py	0.1
									OXI	3I		
									CLY	1I		
35.84	37.70	1.86	QFP	FG	Light grey, intensely hydrothermally altered dyke. Possibly quartz feldspar porphyry dyke, but of another phase. Very fine phenocrysts, and intense hydrothermal alteration. Oxide staining is strongest around fractures. Few large phenocrysts are intensely clay altered. Sharp clay-infilled contacts with standard quartz feldspar porphyry dyke.							
						LT	GY	PO	HYD	3I		
						LT	BN		OXI	2I		
37.70	47.96	10.26	QFP	FG	Light green-grey hydrothermally altered quartz feldspar porphyry dyke. Trace oxide staining on 40% fractures. Short (3cm) clay matrix breccias cut occasionally. Cut by pyrite stringers with siliceous halos. Trace disseminated pyrite in groundmass.							
						LT	GN	FR	HYD	3I	Py	0.1
						LT	GY		OXI	1I		
						LT	BN		CLY	1I		
47.96	48.55	0.59	GRD	MG	Fragment or interfingered section of mineralized granodiorite amidst the quartz feldspar porphyry dyke. Granodiorite is phyllic altered with pyrite throughout groundmass and quartz veinlets with blebby pyrite.							
						MD	GY		PHC	4I	Py	10
						LT	BN		OXI	1I	Py	5
									CLY	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
48.55	63.00	14.45	QFP	FG	Light grey-brown-reddish quartz feldspar porphyry dyke with clay seams and narrow bleached halos around phenocrysts. Cut by calcite stringers. Some fracturing with trace oxide staining on 10% of fractures.							
						LT	RD	PO	HYD	3I		
						LT	BN	FR				
						LT	GY					
63.00	64.54	1.54	VEN	FG	AEX Zone: Medium grey quartz feldspar porphyry dyke with a strongly altered halo around a quartz-pyrite vein. Surrounding dyke is cut by pyrite stringers. Significant clay alteration at vein contact.							
						MD	GY	PO	CLY	2I	Py	5
								FR	HYD	4I	Py	2
									PHC	2I		
64.54	73.45	8.91	QFP	FG	Light reddish quartz feldspar porphyry dyke with some clay on fractures.							
						LT	RD	PO	HYD	4I		
						LT	GY	FR				
73.45	74.50	1.05	GRD	MG	Intensely phyllic altered granodiorite cut by quartz-pyrite veins. Disseminated pyrite in groundmass. Clay alteration around 76m.							
						MD	GN	FR	PHC	5I	Py	5
						LT	GY				Py	1
74.50	76.22	1.72	GRD	MG	moderately phyllic altered granodiorite with weak pervasive clay alteration, with fragments of galena-sphalerite-pyrite veins.							
						LT	GY	BX	PHC	3I	Py	5
									CLY	2I	Sp	2
											Gn	2
76.22	94.50	18.28	QFP	FG	Light green-grey quartz feldspar porphyry dyke with strong pervasive hydrothermal alteration. Phenocrysts are entirely altered to clay. Primary textures are blurred.							
						LT	GN	PO	HYD	4I		
						LT	GY					
94.50	97.32	2.82	FLT	FG	Faulted, fractured, rubbly, and weakly clay altered light green-grey quartz feldspar porphyry dyke.							
						LT	GY	RB	CLY	2I		
						LT	GN	FR	HYD	4I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
97.32	97.74	0.42	BXA	MG	Dark grey clay-altered mineralized breccia. Hosts clasts of dark grey quartz feldspar porphyry dyke and clasts of a pyrite-galena-honey brown sphalerite vein.							
						MD	GY	BX	CLY	3I	Py	15
						LT	GY				Sp	8
						DK	GY				Gn	8
97.74	102.82	5.08	QFP	FG	Fractured hydrothermally altered quartz feldspar porphyry dyke with clay on fractures.							
						LT	GY	RB	CLY	2I		
						LT	GN	FR	HYD	4I		
102.82	103.76	0.94	QFP	FG	Light brown hydrothermally altered quartz feldspar porphyry dyke. Phenocrysts are concentrated and stand out from the groundmass, unlike phenocrysts in adjacent quartz feldspar porphyry dyke.							
						LT	BN	PO	HYD	3I		
103.76	111.10	7.34	QFP	FG	Light green fractured hydrothermally altered quartz feldspar porphyry dyke with clay on fractures.							
						LT	GN	PO	HYD	4I		
						LT	GY	FR	CLY	2I		
111.10	111.86	0.76	BXA	FG	Wide contact breccia with clast-supporting clay matrix. Quartz feldspar porphyry dyke clasts are subangular and pebble-gravel in size.							
						LT	GY	BX	HYD	4I		
						LT	GN		CLY	3I		
111.86	111.96	0.10	VEN	MG	Dark grey quartz vein hosting blebby-disseminated pyrite. Vein is partially brecciated by fault-related clay.							
						MD	BR					
						DK	BK	BX	CLY	2I	Py	15
						DK	GY				Py	10
111.96	117.96	6.00	GRD	MG	Light green phyllic altered granodiorite with patchy weak argillic alteration. Cut by quartz-pyrite veinlets. Disseminated pyrite in groundmass.							
						LT	GN	PA	PHC	3I	Py	1
						LT	WH		ARG	2I		
117.96	118.78	0.82	QFP	FG	Wide rubbly, clay altered contact zone.							
						LT	GY	RB	HYD	5I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	GN	FR	CLY	4I		
118.78	120.54	1.76	QFP	FG	Medium tan-dark green quartz feldspar porphyry dyke with a wide chill margin. Lower contact is sharp, with very little chill. Chilled dyke is dark green, which grades into tan towards the unchilled section. Strong pervasive hydrothermal alteration throughout. Cut by discontinuous calcite veinlets that pinch and swell along their lengths.							
						MD	TN					
						DK	GN	PO	HYD	4I		
120.54	121.81	1.27	GRD	MG	Strongly phyllic altered granodiorite with disseminated pyrite throughout groundmass. Cut by occasional quartz-pyrite veinlets. Clay development on fracture surfaces.							
						LT	GN	FR	CLY	2I	Py	2
									PHC	4I		
121.81	122.15	0.34	QFP	FG	Light tan quartz feldspar porphyry dyke with intense hydrothermal alteration and trace pervasive clay alteration. Undualting contacts with granodiorite are irregular, and chill is evidenced by lack of phenocrysts.							
						LT	TN		HYD	5I		
									CLY	2I		
122.15	124.74	2.59	GRD	MG	Moderate-strong phyllic and patchy weak argillic altered granodiorite cut by mineralized veins hosting pyrite and galena. Weak-moderate clay alteration along some fractures.							
						LT	GN	FR	CLY	2I	Py	0.1
									ARG	2I	Gn	0.1
									PHC	3I		
124.74	127.87	3.13	GRD	MG	Weak pervasive propylitic altered granodiorite.							
						MD	GN		PRO	3I		
						MD	GY					
127.87	131.80	3.93	GRD	MG	Pervasive moderate phyllic granodiorite with find disseminated pyrite in groundmass. Cut by quartz-pyrite veinlets with more intense phyllic halos. Patchy weak argillic alteration is present.							
						LT	GN	PA	PHC	4I	Py	1
						LT	GY		ARG	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
131.80	137.20	5.40	GRD	MG	Weak-moderate pervasive propylitic alteration in granodiorite.							
						MD	GN		PRO	4I		
						DK	GN					
137.20	140.45	3.25	GRD	MG	Granodiorite with moderate phyllic and argillic alteration in patches between pyrite-bearing veins. Disseminated pyrite is hosted throughout the groundmass.							
						LT	GN	PA	PHC	3I	Py	2
140.45	144.78	4.33	GRD	MG	Mottled green granodiorite with overprinting patches of propylitic and phyllic alteration. Some disseminated pyrite is found in phyllic alteration. Cut by few quartz-pyrite veinlets.							
						MD	GN	PA	PHC	2I	Py	1
						LT	GN	MO	PRO	3I		
144.78	146.80	2.02	GRD	MG	Proximal phyllic and distal argillic halos on veins with crosscutting quartz-pyrite stringers.							
						LT	WH		PHC	3I	Py	1
						LT	GN		ARG	2I		
146.80	149.91	3.11	GRD	MG	Moderate propylitic altered granodiorite with narrow phyllic halos on quartz-pyrite stringers.							
						MD	GN		PRO	3I	Py	0.1
						LT	GN		PHC	2I		
149.91	152.50	2.59	GRD	MG	Moderate-weak propylitic altered granodiorite with trace phyllic around stringers. Patchy trace potassic.							
						MD	GY		PRO	2I	Py	0.1
						MD	GN		POT	1I		
						LT	PK		PHC	1I		
154.23	157.96	3.73	GRD	MG	Pervasive trace propylitic and quartz-pyrite vein-associated narrow phyllic halos.							
						MD	GY	PA	PRO	1I	Py	0.1
						MD	GN		PHC	1I		
						LT	GN					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
157.96	160.07	2.11	GRD	MG	Fractured strongly phyllic altered granodiorite with some clay alteration along fractures, cut by quartz-pyrite veins/veinlets. Weak-trace patchy argillic between phyllic halos.							
						LT	GN	PA	PHC	4I	Py	5
									ARG	1I		
									CLY	1I		
160.07	160.23	0.16	VEN	MG	Fractured vein of massive pyrite and white quartz-carbonate. Most of the massive pyrite is crumbled. Blebby honey brown sphalerite and disseminated-blebby arsenopyrite are found along edges of massive pyrite. Some arsenopyrite is also interstitial to pyrite.							
						MD	BR				Sp	3
						LT	WH	MA			Py	40
											As	2
160.23	168.80	8.57	GRD	MG	Strongly phyllic granodiorite cut by many clay zones and mineralized veins/veinlets. Most veining is dominated by pyrite, +/- honey brown sphalerite, galena, and arsenopyrite.							
						LT	GN		PHC	4I	Py	2
						LT	GY		ARG	1I		
									CLY	2I		
168.80	171.44	2.64	GRD	MG	Trace propylitic and potassic altered granodiorite.							
						MD	GN		PRO	1I		
						MD	GY					
						LT	PK		POT	1I		
171.44	173.06	1.62	GRD	MG	Proximal phyllic and distal argillic alteration.							
						LT	WH		ARG	2I		
						LT	GN		PHC	3I	Py	1
173.06	177.20	4.14	GRD	MG	Trace propylitic and potassic altered granodiorite.							
						MD	GY					
						MD	GN		PRO	1I		
						LT	PK		POT	1I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
177.20	184.14	6.94	GRD	MG	Alternating sections of argillic and phyllic alteration due to the zoned halos of quartz-carbonate veins/veinlets with pyrite, sphalerite, and galena.							
						LT	WH	PA	ARG	3I	Py	1
						LT	GN		PHC	3I		
184.14	185.70	1.56	GRD	MG	Granodiorite with trace propylitic and potassic alteration.							
						MD	GN	MO	PRO	1I		
						LT	PK		POT	1I		
185.70	189.20	3.50	GRD	MG	Trace propylitic and trace potassic altered granodiorite cut by very low angle quartz-carbonate-pyrite veinlets with narrow phyllic halos.							
						MD	GN		PRO	1I	Py	0.1
						LT	PK		POT	1I		
						LT	GN		PHC	2I		
189.20	194.57	5.37	GRD	MG	Closely alternating phyllic and argillic alteration due to narrow zoned halos around narrow quartz-carbonate veinlets hosting pyrite, sphalerite, some galena, and arsenopyrite.							
						LT	GN	PA	PHC	3I	Py	1
						LT	WH		ARG	2I	As	0.1
											Gn	0.1
											Sp	1
194.57	196.87	2.30	GRD	MG	Strong-intensely phyllic altered granodiorite in a vein zone of smoky quartz veins and clay alteration in bands/fractures. Smoky quartz veins are banded, often with inclusions of intensely phyllic altered granodiorite. Disseminated pyrite is found throughout the groundmass.							
						LT	GN	BN	PHC	5I	Py	8
						DK	GY		CLY	2I	Gn	1
											Sp	2
											As	1
196.87	198.94	2.07	GRD	MG	Patchy, mottled phyllic, argillc, and potassic alteration around quartz veinlets.							
						LT	WH	PA	ARG	3I	Py	0.1
						LT	GN	MO	PHC	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	PK		POT	1I		
198.94	199.69	0.75	GRD	MG	Weak propylitic and trace potassic altered granodiorite.							
						MD	GN	MO	PRO	2I		
						LT	PK		POT	1I		
199.69	201.11	1.42	GRD	MG	Moderate-weak argillic with potassic overprint, and narrow phyllic halos on crosscutting quartz-pyrite veinlets.							
						LT	WH	PA	ARG	3I	Py	0.1
						LT	PK	MO	PHC	2I		
						LT	GN		POT	2I		
201.11	203.60	2.49	GRD	MG	Alternating patches of argillic-potassic and phyllic alteration around quartz-sulphide veins and veinlets. Argillic alteration dominates in this interval.							
						LT	WH	PO	POT	1I	Py	5
						LT	PK		ARG	3I		
						LT	GN		PHC	2I		
203.60	207.91	4.31	GRD	MG	Granodiorite with trace patchy argillic and weak reddish hematite staining on fractures.							
						MD	GY		ARG	1I		
									HEM	1I		
207.91	209.40	1.49	GRD	MG	Moderate argillic altered granodiorite with weak potassic overprint.							
						LT	WH	MO	ARG	3I		
						LT	PK		POT	2I		
209.40	210.45	1.05	GRD	MG	Semi-pervasive clay altered phyllic halo around a wide polymetallic vein. Vein hosts pyrite, sphalerite, galena, and arsenopyrite.							
						LT	WH	CR	PHC	4I	Py	1
						LT	GN		CLY	2I	Py	1
											Gn	0.1
											Sp	0.1
											As	0.1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
210.45	213.27	2.82	GRD	MG	Weak-moderate distal argillic and proximal phyllic alteration halos on quartz-sulphide veins and stringers. Narrower grey phyllic halos are found on all veinlets.							
						LT	WH	PA	PHC	3I	Py	1
						LT	GN		ARG	2I		
213.27	214.65	1.38	GRD	MG	Moderate propylitic altered granodiorite.							
						MD	GN		PHC	3I		
214.65	216.51	1.86	GRD	MG	Patchy phyllic, argillic, and propylitic alterations related to veining. Cut by a massive pyrite vein at 214.7m. Stronger phyllic alteration near the BRX hanging wall breccia.							
						MD	GN		ARG	1I		
						LT	GN	PA	PHC	2I	Py	1
						LT	WH		PRO	3I		
216.51	216.65	0.14	BXA	FG	BRX hanging wall breccia. Black breccia with disseminated pyrite throughout matrix. Matrix supported, with gravel-pebble subangular clasts of massive sulphide veins and phyllic granodiorite.							
						DK	BK	BX			Py	10
											Py	15
											As	10
216.65	220.97	4.32	QFP	FG	Strongly hydrothermally altered light tan-green quartz feldspar porphyry dyke. Fractured, weakly clay altered, and crumbled in a short section at 219.15m							
						LT	GN	RX	CLY	1I		
						LT	TN	PO	HYD	5I		
220.97	227.81	6.84	GRD	MG	Phyllic and argillic halos with patches of propylitic overprint. Interval is dominated by argillic. Phyllic has disseminated pyrite throughout groundmass. Cut by frequent sulphide stringers, veinlets, and veins. Occasional fractures show clay alteration.							
						MD	GN		PRO	2I		
						LT	GN	PA	PHC	3I	Py	8
						LT	WH		ARG	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
227.81	230.30	2.49	GRD	MG	Intensely phyllic and weakly silicified granodiorite hosting blebby-disseminated pyrite. Clay gouge is common along fractures and hosts disseminated pyrite.							
						MD	GY	RX	PHC	5I	Py	5
									SIL	2I		
230.30	231.62	1.32	GRD	MG	Brecciated, moderately clay altered granodiorite. Phyllic alteration is overprinted by clay alteration.							
						LT	GY	BX	PHC	3I		
						LT	GN		CLY	3I		
231.62	233.67	2.05	GRD	MG	Strongly phyllic altered granodiorite with disseminated pyrite. Cut by quartz-pyrite and carbonate veinlets.							
						LT	GN		PHC	4I	Py	4
233.67	234.50	0.83	GRD	MG	Vuggy, white-tan quartz carbonate cemented breccia. Clasts are phyllic granodiorite and massive quartz-sulphide veins. Cut by fine, undulating smoky quartz stringers. Sulphides include massive-blebby pyrite, massive-blebby arsenopyrite, -blebby-banded sphalerite, and blebby galena.							
						MD	GY	BX			Py	15
						MD	BR				As	2
						LT	GY	VU			As	5
											Gn	1
											Sp	1
234.50	237.18	2.68	GRD	MG	Strongly phyllic altered granodiorite with disseminated pyrite. Cut by quartz-pyrite and carbonate veinlets.							
						LT	GN		PHC	3I	Py	2
						LT	GY					
237.18	242.93	5.75	GRD	MG	Moderate-strongly propylitic altered granodiorite. Fractured and rubbly in some sections. Occasional red hematite staining on fractures.							
						MD	GN	RB	PRO	4I		
						DK	GN	FR				
242.93	243.90	0.97	BXA	MG	Vuggy colloform carbonate cemented breccia. Subangular phyllic granodiorite clasts dominate, with well developed colloform texture lining large vugs. Disseminated pyrite in phyllic clasts.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	WH	BX			Py	1
						LT	GN					
243.90	244.50	0.60	CLY	VF	Light grey clay altered phyllic granodiorite. Some pieces of phyllic granodiorite remain whole.							
						LT	GY	RB	PHC	2I	Py	0.5
									CLY	3I		
244.50	245.56	1.06	POR	MG	Light green moderately phyllic altered granodiorite cut by quartz-carbonate veinlets hosting pyrite. Disseminated pyrite is also found in groundmass.							
						LT	GN		PHC	3I	Py	1
245.56	249.12	3.56	GRD	MG	Dark grey-green granodiorite with strong propylitic alteration and patches of silicification resulting in white quartz eyes.							
						DK	GN		PRO	4I		
						DK	GY		SIL	2I		
249.12	251.02	1.90	GRD	MG	Proximal phyllic and distal argillic vein halo on quartz-pyrite veinlets. Weak clay alteration along fractures.							
						LT	GN		PHC	3I	Py	0.5
						LT	WH		ARG	2I		
									CLY	1I		
251.02	251.91	0.89	GRD	MG	Dark grey-green granodiorite with strong propylitic alteration and patches of silicification resulting in white quartz eyes. Cut by quartz-carbonate veinlets with disseminated pyrite along their centrelines.							
						DK	GY		SIL	1I		
						DK	GN		PRO	4I	Py	1
251.91	252.52	0.61	GRD	MG	Proximal phyllic and distal argillic vein halo on quartz-pyrite veinlets.							
						LT	GN		PHC	2I		
						LT	WH		ARG	3I	Py	0.1
252.52	253.30	0.78	GRD	MG	Dark grey-green granodiorite with strong propylitic alteration and patches of silicification resulting in white quartz eyes.							
						DK	GN		PRO	4I		
						DK	GY		SIL	2I		
253.30	254.50	1.20	GRD	MG	Moderate phyllic and moderate argillic altered granodiorite with some sections of strong argillic that are reduced to clay.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GN	RB	ARG	3I		
						LT	GY		PHC	2I		
									CLY	2I		
254.50	271.65	17.15	GRD	MG	Dark grey-green granodiorite with strong propylitic alteration and patches of silicification resulting in white quartz eyes. Cut by occasional quartz-pyrite veins and veinlets.							
						DK	GN		SIL	2I	Py	0.1
						DK	GY		PRO	4I		
271.65	272.82	1.17	GRD	MG	Strongly phyllic altered granodiorite cut by mineralized quartz-carbonate veins. Short section of clay gouge at Pika vein contact. Somewhat mottled green-white-grey in patches of weak argillic alteration.							
						LT	GN	MO	ARG	1I	Py	4
						LT	GY		PHC	4I	Py	1
272.82	273.22	0.40	VEN	MG	Pika Zone: Massive pyrite veining with trace interstitial arsenopyrite. Lacks chalcopyrite, which is different from the previous Pika intercepts. Fracture faces are crumbly due to clay alteration between coarse pyrite grains. Pyrite is brecciated by smoky quartz hosting fine disseminated pyrite. Alpha=50 beta=140							
						MD	BR	BX	CLY	1I	Py	85
						DK	BK				As	2
273.22	274.42	1.20	GRD	MG	Moderately phyllic altered granodiorite cut by quartz-pyrite veins and veinlets. Stronger phyllic alteration is nearest to the veins.							
						MD	GN					
						LT	GN		PHC	3I	Py	0.1
274.42	286.80	12.38	GRD	MG	Moderate-strong propylitic altered granodiorite with patches of weak potassic and silicification. Silicified patches show white quartz eyes. Granodiorite is cut by aplite dykes/dykelets and mineralized quartz-carbonate-sulphide veins with phyllic-argillic halos.							
						MD	GN	PA	PRO	3I	Py	0.1
						LT	PK	RX	POT	2I		
						LT	GN		SIL	2I		
									PHC	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
									ARG	1I		
286.80	289.72	2.92	GRD	MG	Wider distal argillic and proximal phyllic halos on quartz-vuggy carbonate veins hosting pyrite. Weak-trace potassic overprints argillic outer halos. Sections of argillic-propylitic overprinting are crumbled.							
						LT	PK	PA	PHC	3I		
						LT	GN		ARG	3I		
						LT	WH		POT	2I		
289.72	293.52	3.80	GRD	MG	Moderate-strong propylitic altered granodiorite with patches of weak potassic and silicification. Silicified patches show white quartz eyes. Granodiorite is cut by aplite dykes/dykelets and mineralized quartz-carbonate-sulphide veins with phyllic-argillic halos. EOH							
						MD	GN		PRO	3I		
						LT	PK		POT	2I		
									SIL	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
3.33	6.35	3.02	GRD	MG	Partially fractured fresh granodiorite with oxide staining and some clay on fractures.							
						MD	GY	FR	OXI	3I		
						MD	BN					
						MD	OR					
6.35	11.25	4.90	GRD	MG	Rubbly, intensely fractured granodiorite with pervasive oxide and clay alteration. Cut by a massive quartz vein that is broken to pebbly rubble.							
						MD	OR	FR	CLY	3I		
						MD	BN	RB	OXI	4I		
11.25	35.84	24.59	QFP	FG	Start of a long light green quartz feldspar porphyry dyke. About 80cm of chill adjacent to contact. Moderate-strong pervasive hydrothermal alteration throughout, with semi pervasive oxide staining outward from fractures. Phenocrysts are entirely altered to feldspar.							
						LT	GN	PO	HYD	4I		
						MD	BN		OXI	3I		
						LT	OR					
35.84	37.70	1.86	QFP	FG	Light grey, intensely hydrothermally altered dyke. Possibly quartz feldspar porphyry dyke, but of another phase. Very fine phenocrysts, and intense hydrothermal alteration. Oxide staining is strongest around fractures. Few large phenocrysts are intensely clay altered. Sharp clay-infilled contacts with standard quartz feldspar porphyry dyke.							
						LT	GY	PO	HYD	3I		
						LT	BN		OXI	2I		
37.70	73.45	35.75	QFP	FG	Light green-grey hydrothermally altered quartz feldspar porphyry dyke. Trace oxide staining on 40% fractures. Short (3cm) clay matrix breccias cut occasionally. Cut by pyrite stringers with siliceous halos. Trace disseminated pyrite in groundmass. Colour change is distinct at 48.55m from green-grey to brown.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	GY		OXI	1I		
						LT	BN		CLY	1I		
						LT	GN	FR	HYD	3I	Py	0.1
73.45	76.22	2.77	GRD	MG	Intense-moderate phyllic altered granodiorite cut by quartz-pyrite veins. Disseminated pyrite in groundmass. Clay alteration around 76m.							
						LT	GY		CLY	2I	Py	1
						MD	GN	FR	PHC	5I	Py	5
											Gn	1
											Sp	1
76.22	97.32	21.10	QFP	FG	Light green quartz feldspar porphyry dyke with moderate-strong hydrothermal alteration. Cut by calcite veinlets/stringers. Cut by rare mineralized veins (90m and 97.5m). Some sections of faulting (95m).							
						LT	GN	PO	HYD	4I		
						LT	GY					
97.32	97.74	0.42	BXA	MG	Dark grey clay-altered mineralized breccia. Hosts clasts of dark grey quartz feldspar porphyry dyke and clasts of a pyrite-galena-honey brown sphalerite-arsenopyrite vein.							
						DK	GY				Gn	8
											As	8
						MD	GY	BX	CLY	3I	Py	15
						LT	GY				Sp	8
97.74	111.86	14.12	QFP	FG	Light green quartz feldspar porphyry dyke with strong pervasive hydrothermal alteration. Cut by fine fractures with clay infill and fine calcite stringers.							
						LT	GN	PO	HYD	4I		
						LT	GY		CLY	1I		
111.86	111.96	0.10	VEN	MG	Dark grey quartz vein hosting blebby-disseminated pyrite. Vein is partially brecciated by fault-related clay.							
						MD	BR					
						DK	GY				Py	10
						DK	BK	BX	CLY	2I	Py	15
111.96	117.96	6.00	GRD	MG	Light green phyllic altered granodiorite with patchy weak argillic alteration. Cut by quartz-pyrite veinlets. Disseminated pyrite in groundmass.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	WH		ARG	2I		
						LT	GN	PA	PHC	3I	Py	1
117.96	120.54	2.58	QFP	FG	Medium tan-dark green quartz feldspar porphyry dyke with a rubbly, clay altered upper contact and a wide chill margin. Lower contact is sharp, with very little chill. Chilled dyke is dark green, which grades into tan towards the unchilled section. Strong pervasive hydrothermal alteration throughout. Cut by discontinuous calcite veinlets that pinch and swell along their lengths.							
						MD	TN	PO	HYD	5I		
						DK	GN		CLY	3I		
120.54	121.81	1.27	GRD	MG	Strongly phyllic altered granodiorite with disseminated pyrite throughout groundmass. Cut by occasional quartz-pyrite veinlets. Clay development on fracture surfaces.							
						LT	GN	FR	CLY	2I	Py	2
									PHC	4I		
121.81	122.15	0.34	QFP	FG	Light tan quartz feldspar porphyry dyke with intense hydrothermal alteration and trace pervasive clay alteration. Undualting contacts with granodiorite are irregular, and chill is evidenced by lack of phenocrysts.							
									CLY	2I		
						LT	TN		HYD	5I		
122.15	124.74	2.59	GRD	MG	Moderate-strong phyllic and patchy weak argillic altered granodiorite cut by mineralized veins hosting pyrite and galena. Weak-moderate clay alteration along some fractures.							
									ARG	2I	Gn	0.1
									PHC	3I		
						LT	GN	FR	CLY	2I	Py	0.1
124.74	127.87	3.13	GRD	MG	Weak pervasive propylitic altered granodiorite.							
						MD	GN		PRO	3I		
						MD	GY					
127.87	131.80	3.93	GRD	MG	Pervasive moderate phyllic granodiorite with find disseminated pyrite in groundmass. Cut by quartz-pyrite veinlets with more intense phyllic halos. Patchy weak argillic alteration is present.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	GN	PA	PHC	4I	Py	1
						LT	GY		ARG	2I		
131.80	137.20	5.40	GRD	MG	Weak-moderate pervasive propylitic alteration in granodiorite.							
						DK	GN					
						MD	GN		PRO	4I		
137.20	140.45	3.25	GRD	MG	Granodiorite with moderate phyllic and argillic alteration in patches between pyrite-bearing veins. Disseminated pyrite is hosted throughout the groundmass.							
						LT	GN	PA	PHC	3I	Py	2
140.45	157.96	17.51	GRD	MG	Granodiorite with patches of phyllic, argillic, and propylitic alteration around veins hosting pyrite. Disseminated pyrite is found in phyllic alteration.							
						LT	WH		ARG	2I		
						LT	GN	MO	PRO	3I		
						MD	GN	PA	PHC	2I	Py	1
157.96	168.80	10.84	GRD	MG	Moderate-strong phyllic alteration with patches of weak-moderate argillic. Proximal phyllic and distal argillic alterations are halos on polymetallic veinlets and veins. Short sections of clay alteration are sometimes adjacent to veins. Massive quartz and pyrite veins are common.							
						LT	GY		CLY	2I		
									ARG	2I		
						LT	GN	FR	PHC	4I	Py	5
168.80	177.20	8.40	GRD	MG	Granodiorite with a baseline trace potassic and propylitic alteration, cut by mineralized veins/veinlets with proximal phyllic and distal argillic halos.							
						LT	PK		POT	1I		
						MD	GY		PRO	1I	Py	1
						LT	GN		PHC	2I		
									ARG	2I		
177.20	184.14	6.94	GRD	MG	Alternating sections of argillic and phyllic alteration due to the zoned halos of quartz-carbonate veins/veinlets with pyrite, sphalerite, and galena.							
						LT	GN		PHC	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	WH	PA	ARG	3I	Py	1
184.14	185.70	1.56	GRD	MG	Granodiorite with trace propylitic and potassic alteration.							
						MD	GN	MO	PRO	1I		
						LT	PK		POT	1I		
185.70	194.57	8.87	GRD	MG	Granodiorite dominated by distal argillic and proximal phyllic halos on quartz veins. Veins typically host pyrite, with some other metals.							
						MD	GY	PA	PHC	3I	Py	1
						LT	GN		ARG	2I		
						LT	WH		POT	1I		
194.57	196.87	2.30	GRD	MG	Strong-intensely phyllic altered granodiorite in a vein zone of smoky quartz veins and clay alteration in bands/fractures. Smoky quartz veins are banded, often with inclusions of intensely phyllic altered granodiorite. Disseminated pyrite is found throughout the groundmass.							
											Sp	2
						DK	GY		CLY	2I	Gn	1
						LT	GN	BN	PHC	5I	Py	8
											As	1
196.87	203.60	6.73	GRD	MG	Alternating patches of argillic-potassic and phyllic alteration due to halo zonation around mineralized quartz veins. Argillic alteration has a weak potassic overprint. Disseminated pyrite is found in phyllic groundmass.							
						LT	WH		POT	1I		
						LT	PK		ARG	3I		
									PHC	3I		
						LT	GN	PA	PRO	1I	Py	0.1
203.60	207.91	4.31	GRD	MG	Granodiorite with trace patchy argillic and weak reddish hematite staining on fractures.							
						MD	GY		ARG	1I		
									HEM	1I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
207.91	216.51	8.60	GRD	MG	Granodiorite with distal argilli and proximal phyllic halos on wider quartz-sulphide veins. Vein halos are discontinuous with patches of propylitic-potassic alteration in between.							
						MD	GY	PA	PHC	3I	Py	1
						LT	PK		ARG	2I		
						LT	WH		PRO	2I		
						MD	GN					
						LT	GN		POT	2I		
216.51	216.65	0.14	BXA	FG	BRX hanging wall breccia. Black breccia with disseminated pyrite throughout matrix. Matrix supported, with gravel-pebble subangular clasts of massive sulphide veins and phyllic granodiorite.							
						DK	BK	BX			Py	10
											As	10
											Py	15
216.65	220.97	4.32	QFP	FG	Strongly hydrothermally altered light tan-green quartz feldspar porphyry dyke. Fractured, weakly clay altered, and crumbled in a short section at 219.15m							
						LT	GN	RX	CLY	1I		
						LT	TN	PO	HYD	5I		
220.97	230.30	9.33	GRD	MG	Phyllic and argillic halos with patches of propylitic overprint. Interval is dominated by argillic. Section of fractured stronger phyllic at 228-230m. Phyllic has disseminated pyrite throughout groundmass. Cut by frequent sulphide stringers, veinlets, and veins. Occasional fractures show clay alteration.							
						MD	GN		ARG	3I		
									PHC	2I		
						LT	WH		PHC	3I		
						LT	GN	PA	CLY	1I	Py	5
230.30	231.62	1.32	GRD	MG	Brecciated, moderately clay altered granodiorite. Phyllic alteration is overprinted by clay alteration.							
						LT	GY	BX	PHC	3I		
						LT	GN		CLY	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
231.62	237.18	5.56	GRD	MG	Phyllic altered granodiorite cut by pyrite-quartz veins and veinlets. A vuggy mineralized quartz-carbonate breccia is found at 234m. Disseminated pyrite in phyllic granodiorite.							
						LT	GN	BX	PHC	4I	Py	5
						LT	GY					
237.18	242.93	5.75	GRD	MG	Moderate-strongly propylitic altered granodiorite. Fractured and rubbly in some sections. Occasional red hematite staining on fractures.							
						MD	GN	RB	PRO	4I		
						DK	GN	FR				
242.93	243.90	0.97	BXA	MG	Vuggy colloform carbonate cemented breccia. Subangular phyllic granodiorite clasts dominate, with well developed colloform texture lining large vugs. Disseminated pyrite in phyllic clasts.							
						LT	WH	BX	PHC	4I	Py	1
						LT	GN		CLY	3I		
243.90	245.56	1.66	GRD	MG	Phyllic granodiorite with a crumbled, clay altered section. Cut by quartz-carbonate veinlets hosting disseminated pyrite.							
						LT	GY					
						LT	GN	RB			Py	1
245.56	271.65	26.09	GRD	MG	Large interval dominated by dark green-grey propylitic-silicified granodiorite. Occasional patches of white quartz eyes due to silicification. Cut by quartz veins with phyllic-argillic halos.							
						LT	GN		PHC	2I		
						DK	GN	PA	PRO	4I		
						DK	GY		SIL	2I		
271.65	272.82	1.17	GRD	MG	Strongly phyllic altered granodiorite cut by mineralized quartz-carbonate veins. Short section of clay gouge at Pika vein contact. Somewhat mottled green-white-grey in patches of weak argillic alteration.							
						LT	GN	MO	ARG	1I	Py	4
						LT	GY		PHC	4I	Py	1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
272.82	273.22	0.40	VEN	MG	Pika Zone: Massive pyrite veining with trace interstitial arsenopyrite. Lacks chalcopyrite, which is different from the previous Pika intercepts. Fracture faces are crumbly due to clay alteration between coarse pyrite grains. Pyrite is brecciated by smoky quartz hosting fine disseminated pyrite. Alpha=50 beta=140							
						MD	BR	BX	CLY	1I	Py	85
						DK	BK				As	2
273.22	293.52	20.30	GRD	MG	Interval dominated by granodiorite with propylitic and potassic alteration. This changes in patches where crosscutting quartz-carbonate-sulphide veins have proximal phyllic and distal argillic halos.							
						MD	GN	PA	PRO	2I	Py	0.1
						MD	GY		POT	1I		
						LT	PK		PHC	2I		
						LT	GN		ARG	1I		

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
0.00	3.33	3.33	0	0	0.00	0	--	--	--	Casing/OVB. No recovery.
3.33	5.18	1.85	1.85	100	0.78	42	--	4H	2W	
5.18	8.23	3.05	3	98	0.82	27	--	2H	3W	
8.23	11.28	3.05	3	98	0.00	0	--	2H	3W	
11.28	14.33	3.05	3.05	100	1.37	45	--	3H	2W	
14.33	17.37	3.04	3.03	100	1.68	55	--	3H	2W	
17.37	20.42	3.05	3	98	1.99	65	--	3H	1W	
20.42	23.47	3.05	3.05	100	1.74	57	--	3H	2W	
23.47	26.52	3.05	3.05	100	2.06	68	--	3H	2W	
26.52	29.57	3.05	3.04	100	2.59	85	--	3H	2W	
29.57	32.61	3.04	3.04	100	1.45	48	--	3H	1W	
32.61	35.66	3.05	2.96	97	0.31	10	--	3H	2W	
35.66	38.71	3.05	2.75	90	0.23	8	--	3H	2W	
38.71	41.76	3.05	3.05	100	1.71	56	--	3H	1W	
41.76	44.81	3.05	3.05	100	0.39	13	--	3H	2W	
44.81	47.85	3.04	3.04	100	1.15	38	--	3H	1W	
47.85	50.90	3.05	3.05	100	0.11	4	--	2H	2W	
50.90	53.95	3.05	2.97	97	1.21	40	--	3H	1W	
53.95	57.00	3.05	3.03	99	1.36	45	--	3H	1W	
57.00	60.05	3.05	3.02	99	1.69	55	--	3H	1W	
60.05	63.09	3.04	3.04	100	0.28	9	--	3H	1W	
63.09	66.14	3.05	2.99	98	1.31	43	--	3H	1W	
66.14	69.19	3.05	3.02	99	2.10	69	--	3H	1W	
69.19	72.24	3.05	2.91	95	1.48	49	--	3H	1W	
72.24	75.29	3.05	3.05	100	0.54	18	--	3H	1W	
75.29	78.33	3.04	3	99	1.89	62	--	3H	1W	
78.33	81.38	3.05	2.91	95	2.32	76	--	3H	1W	
81.38	84.43	3.05	3.05	100	2.63	86	--	4H	1W	
84.43	87.48	3.05	3.05	100	2.95	97	--	3H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
87.48	90.53	3.05	3.05	100	2.45	80	--	4H	1W	
90.53	93.57	3.04	3.03	100	2.77	91	--	4H	1W	
93.57	96.62	3.05	3	98	1.03	34	--	3H	1W	
96.62	99.67	3.05	2.93	96	0.97	32	--	4H	1W	
99.67	102.72	3.05	3.02	99	1.31	43	--	3H	1W	
102.72	105.77	3.05	2.84	93	0.56	18	--	3H	1W	
105.77	108.81	3.04	2.87	94	1.70	56	--	3H	1W	
108.81	111.86	3.05	2.86	94	0.84	28	--	3H	1W	
111.86	114.91	3.05	3.05	100	2.60	85	--	4H	1W	
114.91	117.96	3.05	3.05	100	1.95	64	--	4H	1W	
117.96	121.01	3.05	3.05	100	1.22	40	--	4H	1W	
121.01	124.05	3.04	2.89	95	2.04	67	--	4H	1W	
124.05	127.10	3.05	2.91	95	2.13	70	--	4H	1W	
127.10	130.15	3.05	2.66	87	1.46	48	--	3H	1W	
130.15	133.20	3.05	2.81	92	1.47	48	--	3H	1W	
133.20	136.25	3.05	2.95	97	1.36	45	--	3H	1W	
136.25	139.29	3.04	2.98	98	1.53	50	--	2H	1W	
139.29	142.34	3.05	2.77	91	2.09	69	--	3H	1W	
142.34	145.39	3.05	2.93	96	1.77	58	--	3H	1W	
145.39	148.44	3.05	3	98	2.45	80	--	3H	1W	
148.44	151.49	3.05	3	98	1.71	56	--	3H	1W	
151.49	154.53	3.04	2.98	98	2.49	82	--	3H	1W	
154.53	157.58	3.05	3	98	1.59	52	--	3H	1W	
157.58	160.63	3.05	2.85	93	0.76	25	--	2H	1W	
160.63	163.68	3.05	3	98	1.37	45	--	3H	1W	
163.68	166.73	3.05	2.9	95	0.75	25	--	3H	1W	
166.73	169.77	3.04	2.99	98	1.52	50	--	3H	1W	
169.77	172.82	3.05	2.82	92	1.99	65	--	4H	1W	
172.82	175.87	3.05	3.05	100	2.46	81	--	5H	1W	
175.87	178.92	3.05	2.94	96	2.11	69	--	3H	2W	
178.92	181.97	3.05	3.05	100	1.47	48	--	3H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
181.97	185.01	3.04	3.04	100	1.47	48	--	4H	1W	
185.01	188.06	3.05	3.01	99	2.93	96	--	4H	1W	
188.06	191.11	3.05	3.05	100	2.67	88	--	3H	1W	
191.11	194.16	3.05	2.98	98	2.43	80	--	3H	1W	
194.16	197.21	3.05	2.94	96	2.64	87	--	2H	1W	
197.21	200.25	3.04	3.04	100	2.71	89	--	4H	1W	
200.25	203.30	3.05	3.05	100	2.75	90	--	3H	1W	
203.30	206.35	3.05	1.37	45	0.88	29	--	3H	1W	
206.35	209.40	3.05	2.67	88	0.74	24	--	3H	1W	
209.40	212.45	3.05	3	98	2.07	68	--	2H	1W	
212.45	215.50	3.05	2.6	85	1.73	57	--	3H	1W	
215.50	218.54	3.04	2.97	98	1.54	51	--	3H	1W	
218.54	221.59	3.05	2.61	86	1.17	38	--	3H	1W	
221.59	224.64	3.05	3	98	2.03	67	--	4H	1W	
224.64	227.68	3.04	2.79	92	2.15	71	--	4H	1W	
227.68	230.73	3.05	2.19	72	0.67	22	--	3H	1W	
230.73	233.78	3.05	2.64	87	1.90	62	--	3H	1W	
233.78	236.83	3.05	3.01	99	2.17	71	--	3H	1W	
236.83	239.88	3.05	2.94	96	0.33	11	--	3H	1W	
239.88	242.93	3.05	2.89	95	1.44	47	--	3H	1W	
242.93	245.97	3.04	3.04	100	1.11	37	--	3H	1W	
245.97	249.02	3.05	2.87	94	0.91	30	--	4H	1W	
249.02	252.07	3.05	3.04	100	1.32	43	--	3H	1W	
252.07	255.12	3.05	2.62	86	2.42	79	--	4H	1W	
255.12	258.20	3.08	2.91	94	1.39	45	--	4H	1W	
258.20	261.21	3.01	2.21	73	1.26	42	--	3H	1W	
261.21	264.26	3.05	2.91	95	2.23	73	--	4H	1W	
264.26	267.31	3.05	3.05	100	2.51	82	--	4H	1W	
267.31	270.36	3.05	3.01	99	2.77	91	--	4H	1W	
270.36	273.41	3.05	2.85	93	2.21	72	--	4H	1W	
273.41	276.45	3.04	3	99	2.26	74	--	5H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
276.45	279.50	3.05	2.95	97	2.89	95	--	5H	1W	
279.50	282.55	3.05	2.92	96	2.61	86	--	5H	1W	
282.55	285.60	3.05	2.81	92	2.37	78	--	5H	1W	no joint sets, just random single joints
285.60	288.65	3.05	2.88	94	1.90	62	--	4H	1W	
288.65	291.69	3.04	2.96	97	1.80	59	--	4H	1W	
291.69	293.52	1.83	1.47	80	1.22	67	--	5H	1W	EOH

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
0.00	0.00	0.00	-QC-	0.00	0	R499085	☐	15-021		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R499277	☐	15-037	HG 3		☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R499129	☐	15-024		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R499120	☐	15-024			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R499118	☐	15-024		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R499019	☐	15-017			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R499093	☐	15-021			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R499069	☐	15-021			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R499065	☐	15-021		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R499055	☐	15-019		KL-STD6	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R499043	☐	15-019			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R499039	☐	15-019		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R499028	☐	15-019			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R499111	☐	15-024			☑	☐	☐
46.62	47.85	1.23	QFP	0.95	77	R499013	☐	15-017			☐	☐	☐
47.85	48.66	0.81	QFP	0.61	75	R499014	☐	15-017			☐	☐	☐
48.66	50.00	1.34	QFP	1.34	100	R499015	☐	15-017			☐	☐	☐
48.66	50.00	1.34	QFP	1.34	100	R499016	☐	15-017			☐	☐	☑
63.05	63.69	0.64	QFP	0.64	100	R499017	☐	15-017			☐	☐	☐
63.69	64.59	0.90	QFP	0.86	96	R499018	☐	15-017			☐	☐	☐
64.59	65.80	1.21	QFP	1.10	91	R499020	☐	15-017			☐	☐	☐
73.45	75.37	1.92	GRD, QFP	1.70	89	R499021	☐	15-017			☐	☐	☐
75.37	76.25	0.88	GRD	0.78	89	R499022	☐	15-017			☐	☐	☐
76.25	77.57	1.32	QFP	1.29	98	r499023	☐	15-017			☐	☐	☐
96.10	97.32	1.22	QFP	1.20	98	r499024	☐	15-017			☐	☐	☐
97.32	97.74	0.42	QFP, BXA	0.42	100	R499263	☐	15-023	HG 2		☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
97.74	98.75	1.01	BXA, QFP	0.74	73	R499025	☐	15-019			☐	☐	☐
111.10	111.86	0.76	QFP	0.76	100	R499026	☐	15-019			☐	☐	☐
111.86	113.10	1.24	QFP, VEN	1.17	94	R499027	☐	15-019			☐	☐	☐
113.10	114.18	1.08	GRD	1.08	100	R499029	☐	15-019			☐	☐	☐
114.18	116.68	2.50	GRD	2.43	97	R499030	☐	15-019			☐	☐	☐
116.68	117.96	1.28	GRD	1.20	94	R499031	☐	15-019			☐	☐	☐
116.68	117.96	1.28	GRD	1.20	94	R499032	☐	15-019			☐	☐	☑
117.96	118.78	0.82	QFP, GRD	0.55	67	R499033	☐	15-019			☐	☐	☐
118.78	120.54	1.76	QFP	1.76	100	R499034	☐	15-019			☐	☐	☐
120.54	121.80	1.26	QFP, GRD	1.26	100	R499035	☐	15-019			☐	☐	☐
121.80	122.15	0.35	GRD	0.35	100	R499264	☐	15-023	HG 2		☐	☐	☐
122.15	123.21	1.06	GRD, QFP	0.92	87	R499265	☐	15-023	HG 2		☐	☐	☐
123.21	124.74	1.53	GRD	1.49	97	R499036	☐	15-019			☐	☐	☐
124.74	126.91	2.17	GRD, GRD	2.07	95	R499037	☐	15-019			☐	☐	☐
126.91	127.87	0.96	GRD	0.94	98	R499038	☐	15-019			☐	☐	☐
127.87	128.62	0.75	GRD, GRD	0.67	89	R499040	☐	15-019			☐	☐	☐
128.62	130.19	1.57	GRD	1.19	76	R499041	☐	15-019			☐	☐	☐
130.19	131.19	1.00	GRD	0.97	97	R499042	☐	15-019			☐	☐	☐
131.19	133.20	2.01	GRD	1.91	95	R499044	☐	15-019			☐	☐	☐
133.20	135.69	2.49	GRD	2.33	94	R499045	☐	15-019			☐	☐	☐
133.20	135.69	2.49	GRD	2.33	94	R499046	☐	15-019			☐	☑	☐
135.69	137.32	1.63	GRD	1.62	99	R499047	☐	15-019			☐	☐	☐
137.32	138.30	0.98	GRD	0.98	100	R499048	☐	15-019			☐	☐	☐
138.30	140.45	2.15	GRD	2.04	95	R499049	☐	15-019			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
140.45	141.50	1.05	GRD, GRD	1.04	99	R499050	☐	15-019			☐	☐	☐
141.50	143.40	1.90	GRD	1.75	92	R499051	☐	15-019			☐	☐	☐
143.40	145.39	1.99	GRD	1.84	92	R499052	☐	15-019			☐	☐	☐
145.39	146.63	1.24	GRD	1.22	98	R499053	☐	15-019			☐	☐	☐
146.63	148.44	1.81	GRD	1.81	100	R499054	☐	15-019			☐	☐	☐
148.44	149.25	0.81	GRD	0.81	100	R499056	☐	15-019			☐	☐	☐
149.25	149.91	0.66	GRD	0.64	97	R499057	☐	15-019			☐	☐	☐
149.91	152.50	2.59	GRD	2.56	99	R499058	☐	15-019			☐	☐	☐
152.50	154.23	1.73	GRD	1.57	91	R499059	☐	15-019			☐	☐	☐
154.23	155.27	1.04	GRD	1.04	100	R499060	☐	15-019			☐	☐	☐
155.27	156.30	1.03	GRD	1.03	100	R499061	☐	15-021			☐	☐	☐
156.30	157.96	1.66	GRD	1.58	95	R499062	☐	15-021			☐	☐	☐
157.96	159.93	1.97	GRD, GRD	1.69	86	R499063	☐	15-021			☐	☐	☐
159.93	160.63	0.70	GRD	0.64	91	R499266	☐	15-023	HG 2		☐	☐	☐
160.63	162.10	1.47	GRD	1.27	86	R499064	☐	15-021			☐	☐	☐
162.10	163.92	1.82	GRD	1.75	96	R499066	☐	15-021			☐	☐	☐
163.92	165.76	1.84	GRD	1.64	89	R499067	☐	15-021			☐	☐	☐
165.76	167.18	1.42	GRD	1.42	100	R499068	☐	15-021			☐	☐	☐
167.18	168.80	1.62	GRD	1.56	96	R499070	☐	15-021			☐	☐	☐
168.80	171.44	2.64	GRD, GRD	2.48	94	R499071	☐	15-021			☐	☐	☐
171.44	172.58	1.14	GRD	1.14	100	R499072	☐	15-021			☐	☐	☐
172.58	175.58	3.00	GRD	3.00	100	R499073	☐	15-021			☐	☐	☐
172.58	175.58	3.00	GRD	3.00	100	R499074	☐	15-021			☐	☐	☑
175.58	176.72	1.14	GRD	0.91	80	R499075	☐	15-021			☐	☐	☐
176.72	177.93	1.21	GRD	1.21	100	R499076	☐	15-021			☐	☐	☐
176.72	177.93	1.21	GRD	1.21	100	R499077	☐	15-021			☐	☑	☐
177.93	180.55	2.62	GRD	2.60	99	R499078	☐	15-021			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
180.55	182.03	1.48	GRD	1.31	89	R499079	☐	15-021			☐	☐	☐
182.03	183.48	1.45	GRD	1.34	92	R499080	☐	15-021			☐	☐	☐
183.48	185.84	2.36	GRD	2.36	100	R499081	☐	15-021			☐	☐	☐
185.84	188.15	2.31	GRD	2.25	97	R499082	☐	15-021			☐	☐	☐
188.15	189.47	1.32	GRD	1.32	100	R499083	☐	15-021			☐	☐	☐
189.47	191.60	2.13	GRD	1.98	93	R499084	☐	15-021			☐	☐	☐
191.60	193.47	1.87	GRD	1.76	94	R499086	☐	15-021			☐	☐	☐
193.47	194.69	1.22	GRD	1.22	100	R499087	☐	15-021			☐	☐	☐
194.69	196.40	1.71	GRD	1.52	89	R499273	☐	15-037	HG 3		☐	☐	☐
196.40	197.27	0.87	GRD	0.85	98	R499088	☐	15-021			☐	☐	☐
197.27	198.94	1.67	GRD	1.65	99	R499089	☐	15-021			☐	☐	☐
198.94	200.35	1.41	GRD	1.41	100	R499090	☐	15-021			☐	☐	☐
200.35	201.83	1.48	GRD	1.43	97	R499091	☐	15-021			☐	☐	☐
201.83	202.87	1.04	GRD	1.01	97	R499092	☐	15-021			☐	☐	☐
202.87	203.60	0.73	GRD	0.70	96	R499094	☐	15-021			☐	☐	☐
203.60	206.33	2.73	GRD, GRD	1.36	50	R499095	☐	15-021			☐	☐	☐
206.33	209.13	2.80	GRD	2.60	93	R499096	☐	15-021			☐	☐	☐
209.13	209.84	0.71	GRD	0.71	100	R499274	☐	15-037	HG 3		☐	☐	☐
209.84	210.75	0.91	GRD	0.86	95	R499097	☐	15-024			☐	☐	☐
210.75	211.84	1.09	GRD	1.09	100	R499098	☐	15-024			☐	☐	☐
210.75	211.84	1.09	GRD	1.09	100	R499099	☐	15-024			☐	☑	☐
211.84	213.02	1.18	GRD	1.17	99	R499100	☐	15-024			☐	☐	☐
213.02	214.65	1.63	GRD	1.46	90	R499101	☐	15-024			☐	☐	☐
214.65	216.35	1.70	GRD	1.70	100	R499102	☐	15-024			☐	☐	☐
216.35	216.65	0.30	GRD	0.30	100	R499275	☐	15-037	HG 3		☐	☐	☐
216.65	217.18	0.53	QFP, BXA	0.52	98	R499103	☐	15-024			☐	☐	☐
217.18	218.54	1.36	QFP	1.36	100	R499104	☐	15-024			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
218.54	220.97	2.43	QFP	1.95	80	R499105	☐	15-024			☐	☐	☐
218.54	220.97	2.43	QFP	1.95	80	R499106	☐	15-024			☐	☐	☑
220.97	221.30	0.33	QFP, GRD	0.32	97	R499107	☐	15-024			☐	☐	☐
221.30	222.61	1.31	GRD	1.31	100	R499108	☐	15-024			☐	☐	☐
222.61	225.30	2.69	GRD	2.61	97	R499109	☐	15-024			☐	☐	☐
225.30	226.92	1.62	GRD	1.32	81	R499110	☐	15-024			☐	☐	☐
226.92	227.81	0.89	GRD	0.89	100	R499112	☐	15-024			☐	☐	☐
227.81	228.82	1.01	GRD	0.75	74	R499113	☐	15-024			☐	☐	☐
228.82	230.30	1.48	GRD	0.92	62	R499114	☐	15-024			☐	☐	☐
230.30	231.62	1.32	GRD, GRD	1.32	100	R499115	☐	15-024			☐	☐	☐
231.62	233.00	1.38	GRD, GRD	1.24	90	R499116	☐	15-024			☐	☐	☐
233.00	233.67	0.67	GRD	0.65	97	R499117	☐	15-024			☐	☐	☐
233.67	234.50	0.83	GRD	0.83	100	R499119	☐	15-024			☐	☐	☐
234.50	236.83	2.33	GRD	2.25	97	R499121	☐	15-024			☐	☐	☐
242.93	243.90	0.97	GRD, BXA	0.87	90	R499122	☐	15-024			☐	☐	☐
243.90	244.50	0.60	BXA, GRD	0.34	57	R499123	☐	15-024			☐	☐	☐
244.50	245.56	1.06	GRD	1.05	99	R499124	☐	15-024			☐	☐	☐
249.12	251.02	1.90	GRD	1.71	90	R499125	☐	15-024			☐	☐	☐
251.02	251.91	0.89	GRD	0.89	100	R499126	☐	15-024			☐	☐	☐
251.91	252.52	0.61	GRD	0.56	92	R499127	☐	15-024			☐	☐	☐
271.65	272.48	0.83	GRD, GRD	0.79	95	R499128	☐	15-024			☐	☐	☐
272.48	272.89	0.41	GRD	0.37	90	R499130	☐	15-024			☐	☐	☐
272.89	273.22	0.33	VEN	0.33	100	R499276	☐	15-037	HG 3		☐	☐	☐
273.22	273.66	0.44	GRD, VEN	0.41	93	R499131	☐	15-024			☐	☐	☐
273.66	274.42	0.76	GRD	0.74	97	R499132	☐	15-024			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
286.97	287.30	0.33	GRD	0.31	94	R499133	☐	15-025			☐	☐	☐
287.30	288.65	1.35	GRD	1.23	91	R499134	☐	15-025			☐	☐	☐
288.65	289.72	1.07	GRD	1.07	100	R499135	☐	15-025			☐	☐	☐
288.65	289.72	1.07	GRD	1.07	100	R499136	☐	15-025			☐	☑	☐
289.72	290.55	0.83	GRD	0.82	99	R499137	☐	15-025			☐	☐	☐

Klaza - Klaza Project

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		382307	6890778	1302.61	249.02

ZONE: Western Klaza

SECTION:

HOLE: KL-15-249

CLAIM:

Contractor: Platinum

Drill: 2

Core Size: HQ

Casing Depth: 3.4m, Out

Drilling Dates: Jun 20 - Jun 22, 2015

Geology Logged By: D. Walsh

SURVEY			
Depth (m)	Azimuth	Dip	Method
5.18	36.3	-49.4	Reflex
249.02	41.3	-49.9	Reflex

TARGET:

SUMMARY			
From (m)	To (m)	Interval (m)	Rock Type
0	3.4	3.4	CAS
3.4	3.58	0.18	OVB
3.58	9.41	5.83	GRD
9.41	16.97	7.56	GRD
16.97	20.07	3.1	GRD
20.07	21.72	1.65	GRD
21.72	24.61	2.89	QFP
24.61	26.83	2.22	GRD
26.83	60.42	33.59	GRD
60.42	67.8	7.38	GRD
67.8	117.37	49.57	GRD
117.37	122.57	5.2	GRD
122.57	123.79	1.22	QFP
123.79	124.03	0.24	BXA
124.03	125.13	1.1	GRD
125.13	192.21	67.08	GRD

SAMPLES	
Numbers:	R498538 to R498584, R499279, R499283
Total:	49
Batch:	022, 026, 037
Certificates:	WH15092133, WH15094119, WH15096152, WH15097593

COMMENTS

192.21	195.4	3.19	GRD
195.4	195.79	0.39	VEN
195.79	197.45	1.66	GRD
197.45	235.39	37.94	GRD
235.39	236.41	1.02	GRD
236.41	249.02	12.61	GRD

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
3.40	3.58	0.18	OVB	--	Dark brown overburden.							
						DK	BN					
3.58	9.41	5.83	GRD	MG	Primarily unaltered granodiorite. With small patches of weak argillic alteration. Moderate to strong oxidation along fracture surfaces. Pervasive moderate oxidation in argillic patches.							
						MD	GY		OXI	3I		
						MD	OR		OXI	4I		
									ARG	2I		
9.41	16.97	7.56	GRD	MG	Weak to moderately pervasively oxidized moderate argillic alteration that is broken up by an abundance of medium to large red/pink aplite dykes that generally have gradational contacts.							
						MD	PK		ARG	3I		
						MD	RD					
						MD	OR		OXI	2I		
						LT	WH		OXI	3I		
16.97	20.07	3.10	GRD	MG	Trace propyllitic/potassic altered granodiorite with strong oxidation along fracture surfaces.							
						MD	GY		OXI	4I		
									PRO	1I		
									POT	1I		
20.07	21.72	1.65	GRD	MG	Pervasively oxidized, moderate argillic alteration that transitions to weak to moderate phyllic alteration with proximity to dyke contact.							
						MD	OR		OXI	3I		
						LT	GN		OXI	4I		
									PHC	3I		
									PHC	2I		
									ARG	3I		
21.72	24.61	2.89	QFP	FG	Orange/brown pervasively oxidized quartz feldspar porphyry dyke.							
						MD	BN	PO	OXI	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	OR		OXI	4I		
24.61	26.83	2.22	GRD	MG	Pervasively oxidized, weak to moderate phyllic alteration that transitions to moderate argillic alteration with distance from dyke contact.							
						MD	OR		OXI	3I		
						LT	GN		OXI	4I		
									PHC	3I		
									PHC	2I		
									ARG	3I		
26.83	41.24	14.41	GRD	MG	Primarily unaltered granodiorite with strong to moderate oxidation along fractures.							
						MD	OR		OXI	4I		
						MD	GY		OXI	3I		
41.24	42.52	1.28	GRD	MG	Silicified moderate phyllic altered granodiorite with strong oxidation along fracture surfaces. Hosts multiple quartz/carbonate/sulphide veins.							
						MD	GN		SIL	3I		
						MD	OR		OXI	3I		
									PHC	3I		
42.52	54.48	11.96	GRD	MG	Primarily unaltered granodiorite with moderate oxidation along fractures.							
						MD	GY		OXI	3I		
						MD	OR					
54.48	54.91	0.43	GRD	MG	Weak phyllic envelope surrounding a quartz carbonate vein. Weak phyllic alteration transitions to weak argillic alteration.							
						LT	GN	EN	PHC	2I		
						LT	WH		ARG	2I		
54.91	60.42	5.51	GRD	MG	Primarily unaltered granodiorite with moderate oxidation along fractures.							
						MD	GY		OXI	3I		
						MD	OR					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
60.42	63.24	2.82	GRD	MG	Weakly propyllitic and moderate phyllic altered granodiorite with patchy trace to weak argillic alteration. Weak to moderate oxidation along fracture surfaces.							
						MD	OR		ARG	2I		
						MD	GN		PHC	3I		
						LT	GN		ARG	1I		
									PRO	2I		
63.24	63.69	0.45	BXA	--	Smokey quartz breccia with clasts of granodiorite and quartz vein. Quartz veins clasts hosts disseminated to blebby pyrite and arsenopyrite arsenopyrite.							
								BX			Py	2
											As	1
63.69	67.80	4.11	GRD	MG	Weakly propyllitic and moderate phyllic altered granodiorite with patchy trace to weak argillic alteration. Weak to moderate oxidation along fracture surfaces. Hosts a net of smoky quartz veins, veinlets and stringers.							
						MD	GN		PHC	3I		
						MD	OR		ARG	2I		
						LT	GN		ARG	1I		
									PRO	2I		
67.80	89.34	21.54	GRD	MG	Trace propyllitic/potassic altered granodiorite. Sporadic patches of weak oxidation along fracture surfaces.							
						MD	GY		POT	1I		
						LT	GY		PRO	1I		
89.34	90.45	1.11	GRD	MG	Small weak phyllic envelope surrounding quartz carbonate vein . Phyllic alteration transitions to potassic overprinted argillic alteration distally from vein.							
						MD	PK		POT	2I		
						LT	GN	EN	PHC	2I		
						LT	WH		ARG	3I		
90.45	98.78	8.33	GRD	MG	Trace propyllitic/potassic altered granodiorite. Sporadic patches of weak oxidation along fracture surfaces.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GY		POT	1I		
						LT	GY		PRO	1I		
98.78	101.00	2.22	GRD	MG	Moderate phyllic alteration with patchy weak to moderate argillic alteration with a potassic overprint.							
						MD	GN		ARG	2I		
						LT	GN		PHC	3I		
									POT	2I		
									ARG	3I		
101.00	104.91	3.91	GRD	MG	Trace propyllitic/potassic altered granodiorite. Sporadic patches of weak oxidation along fracture surfaces.							
						MD	GY		POT	1I		
						LT	GY		PRO	1I		
104.91	107.00	2.09	GRD	MG	Moderate phyllic and weak propyllitic altered granodiorite with patchy potassic overprinted moderate argillic alteration. Phyllic alteration hosts multiple quartz carbonate veins.							
						MD	PK					
						MD	GN		ARG	3I		
						LT	WH		POT	2I		
						LT	GN		PRO	2I		
						DK	GN		PHC	3I		
107.00	107.57	0.57	GRD	MG	Trace propyllitic/potassic altered granodiorite.							
						MD	GY		POT	1I		
						LT	GY		PRO	1I		
107.57	111.06	3.49	GRD	MG	Moderate phyllic and weak propyllitic envelopes around multiple quartz carbonate veins. Phyllic alteration transitions to potassic overprinted moderate argillic alteration distally from veins.							
						MD	GN		PRO	2I		
						LT	GN	EN	PHC	3I		
						DK	GN		ARG	3I		
									POT	2I		
111.06	117.37	6.31	GRD	MG	Trace propyllitic/potassic altered granodiorite.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GY		POT	1I		
						LT	GY		PRO	1I		
117.37	122.57	5.20	GRD	MG	Weak to moderate propyllitic/potassic overprinted argillic alteration. Weak to moderate phyllic envelopes surrounding carbonate +/- quartz +/- sulphide veining.							
						MD	PK		PRO	3I		
						MD	GN		PHC	3I		
						LT	WH		PRO	2I		
						LT	GN		PHC	2I		
						DK	GN		POT	2I		
									ARG	3I		
									ARG	2I		
122.57	123.79	1.22	QFP	FG	Light red/orange quartz feldspar porphyry dyke. Dyke is light grey at contacts with granodiorite. Hosts two gouge patches.							
						LT	RD	PO				
						LT	OR					
123.79	124.03	0.24	BXA	--	Broken up and oxidized vuggy, smoky quartz breccia at dyke contact. Granodiorite clasts have been flooded with silica. Quartz is minorly brecciated by white carbonate.							
								BX	OXI	2I		
124.03	125.13	1.10	GRD	MG	Weak to moderate phyllic altered granodiorite with patchy weak argillic and propyllitic alteration.							
						MD	GN		PHC	3I		
						LT	GN		PHC	2I		
						LT	WH		ARG	2I		
						DK	GN		PRO	2I		
125.13	132.52	7.39	GRD	MG	Trace to weakly propyllitic/potassic altered granodiorite.							
						MD	PK		POT	1I		
						MD	GY		PRO	1I		
						DK	GN		PRO	2I		
									POT	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
132.52	134.40	1.88	GRD	MG	Weakly potassic overprinted moderate argillic alteration.							
						MD	PK		ARG	3I		
						LT	WH		POT	2I		
134.40	142.83	8.43	GRD	MG	Trace to weakly propyllitic/potassic altered granodiorite.							
						MD	GY		PRO	1I		
						MD	PK		POT	1I		
						DK	GN		PRO	2I		
									POT	2I		
142.83	143.52	0.69	GRD	MG	Moderate phyllic envelope around a quartz/carbonate breccia. Phyllic alteration transition to potassic overprinted moderate argillic alteration distally from breccia.							
						MD	PK		POT	2I		
						LT	GN	EN	PHC	3I		
						LT	WH		ARG	3I		
143.52	147.32	3.80	GRD	MG	Trace to weakly propyllitic/potassic altered granodiorite.							
						MD	GY		PRO	1I		
						MD	PK		POT	1I		
						DK	GN		PRO	2I		
									POT	2I		
147.32	150.00	2.68	GRD	MG	Multiple phyllic envelopes around quartz/carbonate veins and veinlets. Phyllic alteration transitions to potassic/argillic alteration distally from veining and envelopes are separated by weak potassic/propyllitic alteration.							
						MD	GN		POT	2I		
						MD	PK		PRO	2I		
						MD	GY					
						LT	GN	EN	ARG	3I		
						LT	WH					
						DK	GN		PHC	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
150.00	157.58	7.58	GRD	MG	Trace to weakly propyllitic/potassic altered granodiorite.							
						MD	GY		PRO	1I		
						MD	PK		POT	1I		
						DK	GN		PRO	2I		
									POT	2I		
157.58	159.00	1.42	GRD	MG	Small moderate phyllic/weak propyllitic envelope around a quartz/carbonate sulphide vein. Phyllic/propyllitic alteration transitions to potassic/argillic alteration distally from vein.							
						MD	PK		PRO	2I		
						LT	GN	EN	PHC	3I		
						LT	WH		POT	2I		
						DK	GN		ARG	3I		
159.00	161.13	2.13	GRD	MG	Trace to weakly propyllitic/potassic altered granodiorite.							
						MD	GY		PRO	1I		
						MD	PK		POT	1I		
						DK	GN		PRO	2I		
									POT	2I		
161.13	162.11	0.98	GRD	MG	Alternating patches of moderate phyllic alteration and potassic/argillic alteration.							
						MD	GN		ARG	3I		
						MD	PK					
						LT	GN		PHC	3I		
						LT	WH		POT	2I		
162.11	163.76	1.65	GRD	MG	Weakly potassic overprinted argillic alteration hosting multiple carbonate +/- quartz veinlets.							
						MD	PK		ARG	3I		
						LT	WH		POT	2I		
163.76	171.67	7.91	GRD	MG	Trace to weakly propyllitic/potassic altered granodiorite. A few small phyllic envelopes around quartz/carbonate veins.							
						MD	PK		POT	1I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GY		PRO	1I		
						DK	GN		PRO	2I		
									POT	2I		
171.67	172.07	0.40	GRD	MG	Weak phyllic/propyllitic envelopes around multiple quartz/carbonate veinlets. Envelopes are separated by weak to moderate propyllitic/potassic alteration.							
						MD	PK		PRO	3I		
						LT	GN	EN	PHC	2I		
						DK	GN		PRO	2I		
									POT	2I		
									POT	3I		
172.07	176.39	4.32	GRD	MG	Trace to weakly propyllitic/potassic altered granodiorite.							
						MD	GY		PRO	1I		
						MD	PK		POT	1I		
						DK	GN		PRO	2I		
									POT	2I		
180.40	192.21	11.81	GRD	MG	Trace to weakly propyllitic/potassic altered granodiorite.							
						MD	PK		POT	1I		
						MD	GY		PRO	1I		
						DK	GN		PRO	2I		
									POT	2I		
195.40	195.79	0.39	VEN	--	Smoky quartz vein hosting disseminated jamesonite and galena and disseminated to blebby pyrite and weakly zoned honey brown sphalerite. Jamesonite mostly occurs as a mass of disseminated silver needles. Sphalerite and galena occurs along the selvedges of light tan to white carbonate breccia in the center of the vein.							
											Jm	5
											Py	3
											Sp	5
											Gn	1
195.79	197.45	1.66	GRD	MG	Moderately phyllic altered granodiorite ith patchy weak propyllitic alteration.							
						MD	GY		PHC	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	PK					
						DK	GN		PRO	2I		
197.45	199.26	1.81	GRD	MG	Trace to weakly propyllitic/potassic altered granodiorite.							
						MD	GY		PRO	1I		
						MD	PK		POT	1I		
						DK	GN		PRO	2I		
									POT	2I		
199.26	200.91	1.65	GRD	MG	Moderate phyllic. Propyllitic envelope surrounding multiple quartz/carbonate sulphide veins. Transitions to weak potassic/propyllitic alteration distally from veining.							
						MD	GN		PRO	3I		
						MD	PK		POT	2I		
						LT	GN	EN	PHC	3I		
						DK	GN		PRO	2I		
200.91	203.83	2.92	GRD	MG	Trace to weakly propyllitic/potassic altered granodiorite.							
						MD	GY		PRO	1I		
						MD	PK		POT	1I		
						DK	GN		PRO	2I		
									POT	2I		
203.83	207.79	3.96	GRD	MG	Alternating patches of moderate propyllitic/potassic alteration and weak to moderate propyllitic/phyllic alteration. Hosts multiple carbonate veinlets.							
						MD	GN	PA	PRO	2I		
						MD	PK		PHC	3I		
						LT	GN		PHC	2I		
						DK	GN		PRO	3I		
									POT	3I		
207.79	208.92	1.13	GRD	MG	Trace to weakly propyllitic/potassic altered granodiorite.							
						MD	GY		PRO	1I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	PK		POT	1I		
						DK	GN		PRO	2I		
									POT	2I		
208.92	214.15	5.23	GRD	MG	Alternating patches of moderate propyllitic/potassic alteration, weak potassic/propyllitic overprinted weak argillic alteration and weak to moderate propyllitic/phyllic alteration. Hosts multiple carbonate veinlets.							
						MD	GN	PA	PRO	2I		
						MD	PK		PHC	3I		
						LT	WH		POT	3I		
						LT	GN		PHC	2I		
						DK	GN		PRO	3I		
									ARG	2I		
214.15	235.39	21.24	GRD	MG	Trace to weakly propyllitic/potassic altered granodiorite.							
						MD	GY		PRO	1I		
						MD	PK		POT	1I		
						DK	GN		PRO	2I		
									POT	2I		
235.39	236.41	1.02	GRD	MG	Moderate phyllic altered granodiorite hosting two western klaza zone veins.							
						MD	GN					
236.41	239.96	3.55	GRD	MG	Trace to weakly propyllitic/potassic altered granodiorite.							
						MD	GY		PRO	1I		
						MD	PK		POT	1I		
						DK	GN		PRO	2I		
									POT	2I		
239.96	240.68	0.72	GRD	MG	Weak phyllic propyllitic and potassic envelope around a quartz/carbonate/pyrite vein.							
						MD	PK		PRO	2I		
						MD	GN		PHC	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	GN	EN	POT	2I		
240.68	245.12	4.44	GRD	MG	Trace to weakly propyllitic/potassic altered granodiorite.							
						MD	PK		POT	1I		
						MD	GY		PRO	1I		
						DK	GN		PRO	2I		
									POT	2I		
245.12	246.86	1.74	GRD	MG	Weak phyllic propyllitic and potassic alteration envelope with patchy moderate propyllitic alteration around a quartz/carbonate vein.							
						MD	PK		PRO	2I		
						MD	GN		PHC	2I		
						LT	GN	EN	POT	2I		
									PRO	3I		
246.86	249.02	2.16	GRD	MG	Trace to weakly propyllitic/potassic altered granodiorite.							
						MD	GY		PRO	1I		
						MD	PK		POT	1I		
						DK	GN		PRO	2I		
									POT	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
3.40	3.58	0.18	OVB	--	Dark brown overburden.							
						DK	BN					
3.58	9.41	5.83	GRD	MG	Primarily unaltered granodiorite. With small patches of weak argillic alteration. Moderate to strong oxidation along fracture surfaces. Pervasive moderate oxidation in argillic patches.							
									ARG	2I		
						MD	OR		OXI	4I		
						MD	GY		OXI	3I		
9.41	16.97	7.56	GRD	MG	Weak to moderately pervasively oxidized moderate argillic alteration that is broken up by an abundance of medium to large red/pink aplite dykes that generally have gradational contacts.							
						LT	WH		OXI	3I		
						MD	RD					
						MD	OR		OXI	2I		
						MD	PK		ARG	3I		
16.97	20.07	3.10	GRD	MG	Trace propyllitic/potassic altered granodiorite with strong oxidation along fracture surfaces.							
									POT	1I		
									PRO	1I		
						MD	GY		OXI	4I		
20.07	21.72	1.65	GRD	MG	Pervasively oxidized, moderate argillic alteration that transitions to weak to moderate phyllic alteration with proximity to dyke contact.							
									PHC	2I		
									PHC	3I		
						LT	GN		OXI	4I		
						MD	OR		OXI	3I		
									ARG	3I		
21.72	24.61	2.89	QFP	FG	Orange/brown pervasively oxidized quartz feldspar porphyry dyke.							
						MD	BN	PO	OXI	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	OR		OXI	4I		
24.61	26.83	2.22	GRD	MG	Pervasively oxidized, weak to moderate phyllic alteration that transitions to moderate argillic alteration with distance from dyke contact.							
						LT	GN		OXI	4I		
									ARG	3I		
									PHC	2I		
									PHC	3I		
						MD	OR		OXI	3I		
26.83	60.42	33.59	GRD	MG	Primarily unaltered granodiorite with strong to moderate oxidation along fractures. Oxidation intensity decreases with depth.							
						MD	GY		OXI	3I		
						MD	OR		OXI	4I		
60.42	67.80	7.38	GRD	MG	Weakly propyllitic and moderate phyllic altered granodiorite with patchy trace to weak argillic alteration. Weak to moderate oxidation along fracture surfaces. Hosts one large smoky quartz breccia and one net of smoky quartz veins, veinlets and stringers.							
						MD	OR		ARG	2I		
									PRO	2I		
						MD	GN		PHC	3I		
						LT	GN		ARG	1I		
67.80	117.37	49.57	GRD	MG	Trace propyllitic/potassic altered granodiorite. Sporadic patches of weak oxidation along fracture surfaces.							
						MD	GY		POT	1I		
						LT	GY		PRO	1I		
117.37	122.57	5.20	GRD	MG	Weak to moderate propyllitic/potassic overprinted argillic alteration. Weak to moderate phyllic envelopes surrounding carbonate +/- quartz +/- sulphide veining.							
									ARG	3I		
						MD	GN		PHC	3I		
									ARG	2I		
						MD	PK		PRO	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	WH		PRO	2I		
						DK	GN		POT	2I		
						LT	GN		PHC	2I		
122.57	123.79	1.22	QFP	FG	Light red/orange quartz feldspar porphyry dyke. Dyke is light grey at contacts with granodiorite. Hosts two gouge patches.							
						LT	OR					
						LT	RD	PO				
123.79	124.03	0.24	BXA	--	Broken up and oxidized vuggy, smoky quartz breccia at dyke contact. Granodiorite clasts have been flooded with silica. Quartz is minorly brecciated by white carbonate.							
								BX	OXI	2I		
124.03	125.13	1.10	GRD	MG	Weak to moderate phyllic altered granodiorite with patchy weak argillic and propyllitic alteration.							
						LT	GN		PHC	2I		
						MD	GN		PHC	3I		
						DK	GN		PRO	2I		
						LT	WH		ARG	2I		
125.13	192.21	67.08	GRD	MG	Trace to weakly propyllitic/potassic altered granodiorite. Multiple alteration envelopes around quartz/carbonate veining.							
						MD	PK		POT	1I		
						DK	GN		PRO	2I		
						MD	GY		PRO	1I		
									POT	2I		
192.21	195.40	3.19	GRD	MG	Moderately phyllic altered granodiorite ith patchy weak propyllitic alteration. Hosts multiple quartz/carbonate +/- sulphide veins.							
									PHC	3I		
									PRO	2I		
195.40	195.79	0.39	VEN	--	Smoky quartz vein hosting disseminated jamesonite and galena and disseminated to blebby pyrite and weakly zoned honey brown sphalerite. Jamesonite mostly occurs as a mass of disseminated silver needles. Sphalerite and galena occurs along the selvedges of light tan to white carbonate breccia in the center of the vein.							
											Sp	5

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
											Gn	1
											Py	3
											Jm	5
195.79	197.45	1.66	GRD	MG	Moderately phyllic altered granodiorite ith patchy weak propyllitic alteration.							
						MD	GY		PHC	3I		
						DK	GN		PRO	2I		
						MD	PK					
197.45	235.39	37.94	GRD	MG	Trace to weakly propyllitic/potassic altered granodiorite. Multiple alteration envelopes around quartz/carbonate veining.							
						DK	GN		PRO	2I		
						MD	PK		POT	1I		
						MD	GY		PRO	1I		
									POT	2I		
235.39	236.41	1.02	GRD	MG	Moderate phyllic altered granodiorite hosting two western klaza zone veins.							
						MD	GN					
236.41	249.02	12.61	GRD	MG	Trace to weakly propyllitic/potassic altered granodiorite							
									POT	2I		
						MD	PK		POT	1I		
						DK	GN		PRO	2I		
						MD	GY		PRO	1I		

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
0.00	3.55	3.55	0	0	0.00	0	--	--	--	Casing
3.55	5.18	1.63	1.5	92	0.61	37	--	4H	2W	
5.18	8.23	3.05	2.89	95	2.43	80	--	4H	2W	
8.23	11.28	3.05	2.96	97	1.52	50	--	4H	2W	
11.28	14.33	3.05	2.84	93	1.77	58	--	3H	2W	
14.33	17.37	3.04	2.77	91	2.03	67	--	3H	2W	
17.37	20.42	3.05	3	98	2.76	90	--	4H	1W	
20.42	23.47	3.05	3.02	99	1.88	62	--	3H	3W	
23.47	26.52	3.05	2.97	97	2.25	74	--	3H	2W	
26.52	29.57	3.05	3.02	99	2.29	75	--	3H	2W	
29.57	32.61	3.04	2.89	95	2.16	71	--	4H	2W	
32.61	35.66	3.05	2.97	97	2.12	70	--	4H	1W	
35.66	38.71	3.05	2.62	86	1.64	54	--	4H	1W	
38.71	41.76	3.05	2.91	95	2.07	68	--	3H	1W	
41.76	44.81	3.05	2.94	96	2.12	70	--	4H	1W	
44.81	47.85	3.04	3.04	100	2.62	86	--	4H	2W	
47.85	50.90	3.05	2.98	98	2.56	84	--	4H	2W	
50.90	53.95	3.05	3.05	100	2.16	71	--	4H	2W	
53.95	57.00	3.05	3.05	100	2.29	75	--	4H	2W	
57.00	60.05	3.05	3.05	100	2.77	91	--	4H	2W	
60.05	63.09	3.04	3.04	100	2.63	87	--	3H	2W	
63.09	66.14	3.05	3.01	99	2.75	90	--	3H	1W	
66.14	69.19	3.05	3.05	100	2.48	81	--	4H	2W	
69.19	72.24	3.05	3.05	100	2.88	94	--	4H	1W	
72.24	75.29	3.05	2.87	94	2.48	81	--	4H	1W	
75.29	78.33	3.04	3.04	100	2.49	82	--	4H	1W	
78.33	81.38	3.05	2.91	95	2.32	76	--	4H	1W	
81.38	84.43	3.05	3.05	100	2.49	82	--	4H	1W	
84.43	87.48	3.05	2.97	97	2.24	73	--	4H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
87.48	90.53	3.05	2.95	97	2.29	75	--	3H	1W	
90.53	93.57	3.04	3.04	100	2.80	92	--	4H	1W	
93.57	96.62	3.05	3	98	2.53	83	--	4H	1W	
96.62	99.67	3.05	2.87	94	2.02	66	--	3H	1W	
99.67	102.72	3.05	3	98	2.48	81	--	3H	1W	
102.72	105.77	3.05	3	98	1.55	51	--	3H	1W	
105.77	108.81	3.04	3.03	100	2.43	80	--	3H	1W	
108.81	111.86	3.05	3	98	2.73	90	--	3H	1W	
111.86	114.91	3.05	3	98	1.97	65	--	3H	1W	
114.91	117.96	3.05	2.94	96	1.89	62	--	4H	1W	
117.96	121.01	3.05	3.05	100	2.56	84	--	3H	1W	
121.01	124.05	3.04	2.98	98	2.00	66	--	4H	1W	
124.05	127.10	3.05	3.02	99	2.64	87	--	4H	1W	
127.10	130.15	3.05	3.05	100	2.35	77	--	4H	1W	
130.15	133.20	3.05	3.05	100	1.92	63	--	3H	1W	
133.20	136.24	3.04	3.04	100	2.60	86	--	3H	1W	
136.24	139.29	3.05	3.05	100	2.83	93	--	4H	1W	
139.29	142.34	3.05	3.04	100	2.85	93	--	4H	1W	
142.34	145.39	3.05	3.05	100	2.70	89	--	4H	1W	
145.39	148.44	3.05	3.04	100	2.61	86	--	3H	1W	
148.44	151.49	3.05	3.05	100	2.24	73	--	4H	1W	
151.49	154.53	3.04	3.03	100	2.70	89	--	4H	1W	
154.53	157.58	3.05	3.05	100	2.91	95	--	4H	1W	
157.58	160.63	3.05	3.05	100	2.90	95	--	3H	1W	
160.63	163.68	3.05	3.05	100	3.02	99	--	3H	1W	
163.68	166.73	3.05	2.97	97	2.54	83	--	3H	1W	
166.73	169.77	3.04	3.02	99	2.25	74	--	4H	1W	
169.77	172.82	3.05	3.04	100	2.47	81	--	4H	1W	
172.82	175.87	3.05	3.03	99	1.80	59	--	3H	1W	
175.87	178.92	3.05	3.05	100	2.95	97	--	3H	1W	
178.92	181.97	3.05	3.05	100	2.28	75	--	3H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
181.97	185.01	3.04	3.04	100	2.48	82	--	4H	1W	
185.01	188.06	3.05	2.89	95	2.23	73	--	4H	1W	
188.06	191.11	3.05	3.03	99	2.17	71	--	4H	1W	
191.11	194.16	3.05	2.96	97	2.57	84	--	3H	1W	
194.16	197.21	3.05	3.05	100	2.22	73	--	3H	1W	
197.21	200.25	3.04	2.93	96	2.12	70	--	3H	1W	
200.25	203.30	3.05	3.04	100	2.22	73	--	4H	1W	Driller error. Full recovery.
203.30	206.04	2.74	2.74	100	2.24	82	--	3H	1W	
206.04	209.09	3.05	3.04	100	2.71	89	--	4H	1W	
209.09	212.14	3.05	2.99	98	2.71	89	--	3H	1W	
212.14	215.49	3.35	3.19	95	2.75	82	--	4H	1W	Blocks were adjusted by one ft by drillers.
215.49	218.54	3.05	2.99	98	2.89	95	--	4H	1W	
218.54	221.59	3.05	3.05	100	2.88	94	--	4H	1W	
221.59	224.64	3.05	3.04	100	2.63	86	--	4H	1W	
224.64	227.69	3.05	2.81	92	2.72	89	--	4H	1W	
227.69	230.73	3.04	3.04	100	2.54	84	--	4H	1W	
230.73	233.78	3.05	3.01	99	2.40	79	--	4H	1W	
233.78	236.83	3.05	2.93	96	2.67	88	--	4H	1W	
236.83	239.88	3.05	3.05	100	3.00	98	--	4H	1W	
239.88	242.93	3.05	3.05	100	2.72	89	--	4H	1W	
242.93	245.97	3.04	2.96	97	2.59	85	--	4H	1W	
245.97	249.02	3.05	3.05	100	2.55	84	--	4H	1W	

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
0.00	0.00	0.00	-QC-	0.00	0	R498546	☐	15-022			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R498548	☐	15-022		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R498553	☐	15-022			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R498569	☐	15-026		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R498572	☐	15-026			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R498540	☐	15-022		KL-STD5	☐	☐	☐
38.63	39.36	0.73	GRD	0.73	100	R498538	☐	15-022			☐	☐	☐
39.36	41.44	2.08	GRD	2.08	100	R498539	☐	15-022			☐	☐	☐
41.44	42.31	0.87	GRD	0.86	99	R498541	☐	15-022			☐	☐	☐
42.31	43.87	1.56	GRD	1.34	86	R498542	☐	15-022			☐	☐	☐
60.50	62.10	1.60	GRD	1.60	100	R498543	☐	15-022			☐	☐	☐
62.10	63.19	1.09	GRD	1.09	100	R498544	☐	15-022			☐	☐	☐
63.19	63.70	0.51	GRD	0.50	98	R498545	☐	15-022			☐	☐	☐
63.70	65.10	1.40	GRD	1.34	96	R498547	☐	15-022			☐	☐	☐
65.10	67.50	2.40	GRD	2.40	100	R498549	☐	15-022			☐	☐	☐
67.50	68.53	1.03	GRD	1.03	100	R498550	☐	15-022			☐	☐	☐
106.32	108.81	2.49	GRD	2.49	100	R498551	☐	15-022			☐	☐	☐
108.81	109.21	0.40	GRD	0.40	100	R498552	☐	15-022			☐	☐	☐
109.21	110.21	1.00	GRD	1.00	100	R498554	☐	15-022			☐	☐	☐
119.45	121.48	2.03	GRD	2.03	100	R498555	☐	15-022			☐	☐	☐
121.48	122.17	0.69	GRD	0.69	100	R498556	☐	15-022			☐	☐	☐
122.17	122.57	0.40	GRD	0.40	100	R498557	☐	15-022			☐	☐	☐
122.57	123.79	1.22	GRD, QFP	1.12	92	R498558	☐	15-022			☐	☐	☐
123.79	124.05	0.26	BXA, QFP	0.26	100	R498559	☐	15-022			☐	☐	☐
124.05	125.11	1.06	GRD	1.06	100	R498560	☐	15-022			☐	☐	☐
176.27	177.20	0.93	GRD	0.93	100	R498561	☐	15-026			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
177.20	177.88	0.68	GRD	0.65	96	R498562	☐	15-026			☐	☐	☐
177.88	179.50	1.62	GRD	1.62	100	R498563	☐	15-026			☐	☐	☐
177.88	179.50	1.62	GRD	1.62	100	R498564	☐	15-026			☐	☑	☐
179.50	181.55	2.05	GRD	2.04	100	R498565	☐	15-026			☐	☐	☐
181.55	182.41	0.86	GRD	0.86	100	R498566	☐	15-026			☐	☐	☐
182.41	182.80	0.39	GRD	0.36	92	R498567	☐	15-026			☐	☐	☐
182.80	183.80	1.00	GRD	1.00	100	R498568	☐	15-026			☐	☐	☐
191.95	192.53	0.58	GRD	0.58	100	R498570	☐	15-026			☐	☐	☐
192.53	193.40	0.87	GRD	0.87	100	R498571	☐	15-026			☐	☐	☐
193.40	194.53	1.13	GRD	1.13	100	R498573	☐	15-026			☐	☐	☐
194.53	195.36	0.83	GRD	0.83	100	R498574	☐	15-026			☐	☐	☐
195.36	195.76	0.40	GRD	0.40	100	R499279	☐	15-037	HG 3		☐	☐	☐
195.76	196.35	0.59	VEN	0.57	97	R498575	☐	15-026			☐	☐	☐
196.35	197.50	1.15	GRD	1.06	92	R498576	☐	15-026			☐	☐	☐
197.50	199.56	2.06	GRD	1.70	83	R498577	☐	15-026			☐	☐	☐
197.50	199.56	2.06	GRD	1.70	83	R498578	☐	15-026			☐	☐	☑
199.56	199.90	0.34	GRD	0.32	94	R498579	☐	15-026			☐	☐	☐
199.90	200.90	1.00	GRD	0.99	99	R498580	☐	15-026			☐	☐	☐
234.32	235.32	1.00	GRD	1.00	100	R498581	☐	15-026			☐	☐	☐
235.32	235.63	0.31	GRD	0.31	100	R498582	☐	15-026			☐	☐	☐
235.63	236.41	0.78	GRD	0.78	100	R499283	☐	15-037	HG 3		☐	☐	☐
236.41	236.71	0.30	GRD, GRD	0.30	100	R498583	☐	15-026			☐	☐	☐
236.71	237.71	1.00	GRD	1.00	100	R498584	☐	15-026			☐	☐	☐

Klaza - Klaza Project

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		382814	6889122	1443.17	233.78

ZONE: Eastern BRX

SECTION: BRX 10+900

HOLE: KL-15-250

CLAIM:

Contractor: Platinum

Drill: 1

Core Size: HQ

Casing Depth: 3.35m, Out

Drilling Dates: Jun 21 -

Geology Logged By: T. Cruz

SURVEY			
Depth (m)	Azimuth	Dip	Method
5.18	206.2	-49.8	Reflex
233.78	37.3	-51.6	Reflex

TARGET:

SUMMARY			
From (m)	To (m)	Interval (m)	Rock Type
0	3.35	3.35	CAS
3.35	6.15	2.8	GRD
6.15	19.55	13.4	QFP
19.55	26.24	6.69	GRD
26.24	35.6	9.36	QFP
35.6	51.27	15.67	GRD
51.27	53.95	2.68	GRD
53.95	55.04	1.09	BXA
55.04	57.23	2.19	GRD
57.23	98.87	41.64	GRD
98.87	112.07	13.2	GRD
112.07	112.53	0.46	VEN
112.53	114.74	2.21	QFP
114.74	115.03	0.29	BXA
115.03	131.68	16.65	GRD
131.68	133.43	1.75	QFP

SAMPLES	
Numbers:	R499138 to R499200, R499278, R499280 to R499282, R499284 to R499289, R499801 to R499858
Total:	131
Batch:	025, 027, 029, 030, 037
Certificates:	WH15094118, WH15094120, WH15094121, WH15096137, WH15096152, WH15097593

COMMENTS

133.43	137.01	3.58	GRD
137.01	162.08	25.07	GRD
162.08	170.89	8.81	GRD
170.89	171.11	0.22	BXA
171.11	185.08	13.97	GRD
185.08	197.94	12.86	GRD
197.94	216.82	18.88	GRD
216.82	228.93	12.11	GRD
228.93	233.78	4.85	GRD

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
3.35	4.60	1.25	GRD	MG	Intensely fractured granodiorite with pervasive oxide staining. More significant limonite and goethite is present on fracture surfaces. Some clay alteration along fractures is stained brown-orange.							
						MD	BN	RB	OXI	4I	Li	5
						LT	OR		CLY	2I		
						DK	BK	FR	LIM	3I	Go	2
4.60	6.15	1.55	GRD	MG	Moderate-strong phyllic altered granodiorite with fracturing. Moderate oxide staining on fractures. Phyllic granodiorite is cut by pyrite-bearing black breccias, and likely hosted disseminated pyrite in groundmass.							
						MD	BN		OXI	3I	Go	5
						LT	GN	FR	PHC	3I	Li	5
						LT	OR		CLY	1I		
						DK	BK					
6.15	12.53	6.38	QFP	FG	Light green-tan quartz feldspar porphyry dyke with strong hydrothermal alteration. Fractures show trace clay alteration. All phenocrysts are altered to clay, except for quartz eyes.							
						LT	TN	PO	HYD	4I		
						LT	GN	FR	CLY	1I		
						LT	BN		OXI	3I		
12.53	19.55	7.02	QFP	FG	Light green-tan quartz feldspar porphyry dyke with strong hydrothermal alteration. Fractures show trace clay alteration. All phenocrysts are altered to clay, except for quartz eyes. Semi-pervasive oxide staining below 17m.							
						LT	BN	PO	HYD	4I		
						LT	GN	FR	OXI	3I		
						LT	TN		CLY	3I		
19.55	21.60	2.05	GRD	MG	Mainly phyllic altered granodiorite cut by quartz-sulphide veins. Weak semi-pervasive oxide staining along fractures.							
						LT	GN	FR	PHC	3I	Py	1
						LT	BN		OXI	2I		
21.60	25.12	3.52	GRD	MG	Mainly argillic altered granodiorite with weak-trace potassic overprint. Weak semi-pervasive oxide staining and clay alteration along fractures.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	WH		ARG	3I	Py	0.1
						LT	GN		PHC	2I		
						LT	BN		OXI	2I		
25.12	26.24	1.12	GRD	MG	Moderate phyllic altered granodiorite containing stronger mineralization along quartz feldspar porphyry dyke contact. Weak oxide staining along fractures, with significant clay development along contact.							
						LT	GN	FR	PHC	3I	Py	1
						LT	BN		OXI	2I		
									CHL	2I		
26.24	28.57	2.33	QFP	FG	Light green-grey quartz feldspar porphyry dyke with strong hydrothermally alteration. Recovery is competent and undergoes only trace oxide staining.							
						LT	GN	PO	HYD	4I		
						LT	GY		OXI	1I		
28.57	35.60	7.03	QFP	FG	Hydrothermally altered quartz feldspar porphyry dyke is intensely fractured and rubbly, with clay alteration and pervasive oxide staining.							
						LT	BN	PO	HYD	4I		
								RB	CLY	2I		
								FR	OXI	4I		
35.60	40.57	4.97	GRD	MG	Granodiorite dominated by distal argillic-potassic and proximal phyllic vein halos. There are often short patches of fresher granodiorite, with only potassic or weak propylitic alteration. Crosscutting veins are mostly quartz-pyrite +/- carbonate. Disseminated pyrite is hosted in phyllic groundmass. Trace oxide staining on few fractures.							
						MD	GY		POT	1I		
						LT	GN	PA	PHC	3I	Py	0.1
						LT	WH	MO	ARG	2I		
						LT	PK		PRO	1I		
						LT	BN		OXI	1I		
40.57	41.63	1.06	GRD	MG	Granodiorite with weak propylitic alteration and trace potassic.							
						MD	GN		PRO	2I		
						MD	GY					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	PK		PHC	1I		
41.63	43.25	1.62	GRD	MG	Granodiorite dominated by distal argillic-potassic and proximal phyllic vein halos. There are often short patches of fresher granodiorite, with only potassic or weak propylitic alteration. Crosscutting veins are mostly quartz-pyrite +/- carbonate. Disseminated pyrite is hosted in phyllic groundmass. Trace oxide staining on few fractures.							
						MD	GY	PA	PHC	2I	Py	0.1
						LT	PK		ARG	2I		
						LT	WH		PRO	2I		
						LT	GN		POT	2I		
43.25	43.84	0.59	GRD	MG	Patch of moderate argillic with weak potassic overprint.							
						LT	WH	MO	ARG	3I		
						LT	PK		POT	2I		
43.84	47.57	3.73	GRD	MG	Alternating patches of phyllic and propylitic alteration related to crosscutting vein halos. Cut by a significant black breccia at 45.6m.							
						MD	GY		PRO	2I		
						LT	GN	PA	PHC	2I	Py	0.1
									POT	1I		
47.57	48.22	0.65	GRD	MG	Granodiorite with weak propylitic and trace potassic overprint.							
						MD	GN		PRO	2I		
						MD	GY					
						LT	PK		POT	1I		
48.22	50.21	1.99	GRD	MG	Mostly argillic alteration with trace potassic. Phyllic halos around quartz-pyrite veinlets.							
						LT	GN	PA	ARG	3I	Py	0.1
						LT	WH	MO	PHC	2I		
						LT	PK		POT	1I		
50.21	51.27	1.06	GRD	MG	Granodiorite with trace propylitic and potassic.							
						MD	GN		PRO	1I		
						LT	PK		POT	1I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
51.27	53.95	2.68	GRD	MG	Strong-moderate phyllic altered granodiorite leading up to a vein breccia. Cut by mineralized black breccia, quartz-pyrite veinlets, and netted carbonate.							
						LT	GN		PHC	4I	Py	2
53.95	55.04	1.09	VEN	MG	Well mineralized vein breccia with oxide stained fractures. Oxides include scorodite. Vein breccia is varied, with mostly parallel running veins of smoky quartz-pyrite brecciated by white quartz-carbonate. White quartz-carbonate carries honey brown sphalerite and galena. Partial clay alteration on many fractures. Arsenopyrite is interstitial-disseminated within pyrite.							
						MD	GY	FR	OXI	2I	Py	8
						MD	BR				Sp	1
						DK	GY	BX			Gn	0.5
											As	1
55.04	57.23	2.19	GRD	MG	Strong-moderate phyllic altered granodiorite leading up to a vein breccia. Cut by quartz-pyrite veinlets. Trace oxide staining on fractures.							
						LT	GN		PHC	4I	Py	1
									ARG	1I		
									OXI	1I		
57.23	69.36	12.13	GRD	MG	Generally weak patchy propylitic and potassic altered granodiorite, cut by occasional veins (quartz pyrite and carbonate) with proximal phyllic and distal argillic halos. No oxide staining, and trace clay on some fractures.							
						MD	GY	PA	PHC	2I	Py	0.1
						LT	PK	MO	ARG	2I		
						LT	WH		POT	1I		
						LT	GN		PRO	2I		
									CLY	1I		
69.36	70.64	1.28	GRD	MG	Moderate phyllic altered section with narrow outer argillic halos. Cut by quartz-pyrite veinlets and irregular white carbonate veins. Disseminated pyrite in phyllic groundmass.							
						LT	GN		PHC	3I	Py	1
						LT	WH		ARG	1I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
70.64	73.19	2.55	GRD	MG	Generally weak patchy propylitic and potassic altered granodiorite, cut by occasional veins (quartz pyrite and carbonate) with proximal phyllic and distal argillic halos. No oxide staining, and trace clay on some fractures.							
						MD	GY	PA	PRO	1I		
						MD	GN		POT	1I		
						LT	PK		PHC	1I		
						LT	GN		CLY	1I		
73.19	74.80	1.61	GRD	MG	Proximal phyllic and distal argillic halo on quartz-pyrite vein.							
						LT	WH		ARG	2I		
						LT	GN		PHC	3I	Py	1
74.80	79.71	4.91	GRD	MG	Generally weak patchy propylitic and potassic altered granodiorite, cut by occasional veins (quartz pyrite and carbonate) with proximal phyllic and distal argillic halos. No oxide staining, and trace clay on some fractures.							
						MD	GN	PA	PHC	2I	Py	0.1
						LT	PK		POT	1I		
						LT	GN		PRO	2I		
79.71	83.23	3.52	GRD	MG	Moderate phyllic altered section with narrow outer argillic halos. Cut by quartz-pyrite veinlets and irregular white carbonate veins. Disseminated pyrite in phyllic groundmass.							
						MD	GN		PHC	1I		
						LT	GN	PA	PHC	3I	Py	2
						LT	WH		ARG	2I		
						LT	PK		POT	1I		
83.23	84.56	1.33	GRD	MG	Generally weak patchy propylitic and potassic altered granodiorite							
						MD	GN	PA	PRO	2I		
						MD	GY		ARG	2I		
						LT	PK		POT	1I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
84.56	98.87	14.31	GRD	MG	Moderate phyllic altered section with narrow outer argillic halos. Short sections of propylitic and potassic altered granodiorite. Cut by quartz-pyrite veinlets and irregular white carbonate veins. Disseminated pyrite in phyllic groundmass.							
						MD	GN	PA	PHC	3I	Py	2
						LT	PK		ARG	2I		
						LT	GN		PRO	2I		
						LT	WH		POT	1I		
98.87	106.33	7.46	GRD	MG	Granodiorite with proximal phyllic and distal argillic halos on veins. Argillic halos are more prominent than phyllic, and are weakly potassic altered. Trace oxide staining on clay altered fractures. Cut by quartz-pyrite veins/stringers and some clay altered breccias.							
						LT	WH	PA	ARG	4I	Py	0.1
						LT	PK		POT	2I		
						LT	GN		PHC	2I		
						LT	BN		OXI	1I		
106.33	108.10	1.77	GRD	MG	Moderate-strongly phyllic altered granodiorite with fracturing along a low angle clay altered quartz-carbonate vein. Trace black disseminated tourmaline.							
						LT	GN	FR	PHC	4I	Py	1
									CLY	2I	To	0.1
108.10	111.43	3.33	GRD	MG	Moderate-strongly argillic altered granodiorite with narrow phyllic halos on clay altered mineralized veinlets. Cut by white-cream carbonate veinlets. Weak potassic overprints argillic.							
						LT	WH		ARG	4I	Py	0.1
						LT	PK		POT	2I		
						LT	GN		PHC	1I		
									CLY	1I		
111.43	112.07	0.64	GRD	MG	Moderately phyllic altered granodiorite cut by discontinuous pyrite stringers.							
						LT	GN		PHC	3I	Py	1
112.07	112.14	0.07	GRD	MG	Strongly phyllic altered granodiorite hosting disseminated-blebby pyrite.							
						LT	GN		PHC	4I	Py	2

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
112.14	112.24	0.10	VEN	MG	White calcite-quartz and black breccia cement with angular clasts of polymetallic sulphide veins. The vein clasts tend to host semi-massive pyrite, which have intergrown-blebby arsenopyrite. Blebby honey brown sphalerite is found adjacent to pyrite and carbonate.							
						MD	GY				Py	5
						MD	BR				As	1
						DK	GY	BX			Py	2
											As	1
											Sp	2
112.24	112.42	0.18	GRD	MG	Strongly phyllic altered granodiorite hosting disseminated pyrite with crosscutting quartz-pyrite veinlets.							
						LT	GN		PHC	4I	Py	3
112.42	112.53	0.11	VEN	MG	Grey-black quartz cemented breccia with fine disseminated pyrite in matrix. Blebby-disseminated pyrite, disseminated arsenopyrite, and trace disseminated-blebby honey brown sphalerite are present.							
						MD	GY				Py	1
						DK	BK	BX			Py	4
											As	1
											Sp	1
112.53	113.89	1.36	QFP	FG	Light green strongly hydrothermally altered quartz feldspar porphyry dyke. Quartz phenocrysts are unaltered, but all other phenocrysts are reduced to clay.							
						LT	GN	PO	HYD	4I		
									CLY	1I		
113.89	114.36	0.47	QFP	FG	Clay and hydrothermally altered quartz feldspar porphyry dyke cut by dark quartz-carbonate veinlets hosting disseminated pyrite.							
						MD	GY		CLY	2I		
						LT	GN	PO	HYD	4I	Py	1
114.36	114.74	0.38	QFP	FG	Medium olive green hydrothermally altered quartz feldspar porphyry dyke with clay alteration along healed fractures. Sharp contact with weak clay alteration.							
						MD	OL	PO	HYD	4I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	GN		CLY	2I		
114.74	115.03	0.29	BXA	FG	Clay altered dark grey contact breccia with few clasts of white carbonate veinlets and massive pyrite veinlets. Obvious flow or strain direction.							
						DK	GY	SH	CLY	3I	Py	5
						DK	BK				Py	2
115.03	119.74	4.71	GRD	MG	Phyllic dominated granodiorite with proximal phyllic and distal argillic halos on frequent mineralized veining. Mineralization is mostly pyrite, though, some veins carry honey brown sphalerite and galena. Short fracture zones show clay alteration along surfaces.							
						LT	GN	FR	PHC	3I	Py	1
						LT	WH		CLY	1I		
						LT	GY		ARG	1I		
119.74	120.16	0.42	GRD	MG	Fractured and rubbly recovery of weak argillic-propylitic altered granodiorite.							
						MD	GN	RB	ARG	1I		
								FR	PRO	2I		
120.16	123.94	3.78	GRD	MG	Phyllic dominated granodiorite with proximal phyllic and distal argillic halos on frequent mineralized veining. Mineralization is mostly pyrite, though, some veins carry honey brown sphalerite and galena. Short fracture zones show clay alteration along surfaces.							
						LT	WH		ARG	2I	Py	1
						LT	GN		PHC	3I	Py	1
											Sp	0.1
											Gn	0.1
123.94	124.55	0.61	GRD	MG	Argillic and potassic altered granodiorite.							
						LT	WH	MO	ARG	3I		
						LT	PK		POT	2I		
124.55	130.98	6.43	GRD	MG	Phyllic dominated granodiorite with proximal phyllic and distal argillic halos on frequent mineralized veining. Mineralization is mostly pyrite, though, some veins carry honey brown sphalerite and galena. Short fracture zones show clay alteration along surfaces.							
						LT	GN	FR	PHC	4I	Py	2
						LT	GY		CLY	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
									ARG	1I		
130.98	131.68	0.70	GRD	MG	Fractured, rubbly phyllic granodiorite with a mineralized black breccia along quartz feldspar porphyry dyke contact.							
						LT	GN	RB	PHC	4I	Py	2
						LT	GY	FR			Py	2
131.68	133.43	1.75	QFP	FG	Medium tan quartz feldspar porphyry dyke cut by netted fractures with trace clay alteration on surfaces. Strong pervasive hydrothermal alteration throughout, with stronger clay alteration near contacts.							
						MD	TN	PO	HYD	4I		
								FR				
								CR	CLY	2I		
133.43	137.01	3.58	GRD	MG	Strongly phyllic altered granodiorite with weak clay alteration along fractures. Short patches of argillic alteration are overprinted by phyllic. This is cut by mineralized smoky quartz veins. Smoky quartz veins host blebby-semimassive pyrite, blebby honey brown sphalerite, blebby galena, and blebby-interstitial arsenopyrite.							
						LT	GN	PA	CLY	2I	Py	2
						LT	GY	CR	PHC	4I	Sp	0.5
									ARG	1I	Gn	0.1
											As	0.1
137.01	138.37	1.36	GRD	MG	Strong phyllic altered granodiorite with moderate silicified overprint. It is crackled by smoky quartz veining carrying trace disseminated pyrite. Some primary crystal texture is obliterated by silicification.							
						LT	GN	RX	PHC	4I	Py	0.1
								CR	SIL	3I		
138.37	155.55	17.18	GRD	MG	Strong phyllic altered granodiorite with moderate silicified overprint. Disseminated tourmaline can be found disseminated in the groundmass in patches, also adjacent to/within quartz-pyrite veins. Some primary crystal texture is obliterated by silicification.							
						LT	GN	RX	PHC	4I	Py	3
						LT	GY		SIL	3I	To	0.5
155.55	156.51	0.96	GRD	MG	Moderately propylitic altered granodiorite, cut by an aplite dyke, Both the aplite dyke and granodiorite show primary texture obliteration related to strong silicification.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	PK		SIL	4I		
						DK	GN	RX	PRO	4I		
156.51	162.08	5.57	GRD	MG	Patchy proximal phyllic and distal argillic vein halos with a moderate silicification overprint. Trace clay alteration in argillic patches. Few less veining than in the rest of this primary interval.							
						LT	GN	RX	PHC	4I	Py	0.1
						LT	WH	PA	ARG	2I		
						LT	GY		SIL	3I		
									CLY	1I		
162.08	170.89	8.81	GRD	MG	Wide patches of proximal phyllic and distal argillic vein halos with moderate propylitic altered patches inbetween. Cut by relatively few quartz-pyrite veins.							
						MD	GN		PRO	2I		
						LT	GN	PA	PHC	3I	Py	0.1
						LT	WH		ARG	3I		
170.89	171.11	0.22	BXA	MG	Polylithic quartz matrix-supported breccia with clasts of phyllic granodiorite, pyrite veins, and quartz-pyrite veins. Weak clay alteration around clasts.							
						MD	GY	BX	PHC	2I	Py	15
						MD	BR		CLY	2I		
						LT	GN					
171.11	171.70	0.59	GRD	MG	Phyllic and argillic altered granodiorite with partial brecciation related to clay development.							
						LT	GN	BX	PHC	3I		
						LT	GY		CLY	2I		
171.70	172.67	0.97	GRD	MG	Moderate propylitic and silicified granodiorite. Ocasional quartz eyes.							
						MD	GN	RX	PRO	3I		
									SIL	3I		
172.67	185.08	12.41	GRD	MG	Wide patches of proximal phyllic and distal argillic vein halos with moderate propylitic altered patches inbetween. Cut by relatively few quartz-pyrite veins.							
						LT	GN	PA	PHC	4I	Py	0.1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	WH		ARG	3I		
						LT	GY					
185.08	186.14	1.06	GRD	MG	Granodiorite dominated by moderate-strong propylitic alteration and patches of trace potassic alteration. Cut by few quartz-pyrite veins with proximal phyllic and distal argillic halos. Patchy to semi-pervasive silicification throughout, causing quartz eyes.							
						MD	GN	RX	PRO	3I		
								PA	SIL	2I		
									POT	1I		
									ARG	2I		
									PHC	2I		
186.14	187.32	1.18	GRD	MG	Proximal phyllic and distal argillic halo on a wide smoky quartz vein with crackled carbonate veinlets.							
						LT	GN		PHC	3I	Py	1
						LT	WH		ARG	3I	Sp	0.1
											Gn	0.1
187.32	196.00	8.68	GRD	MG	Granodiorite dominated by moderate-strong propylitic alteration and patches of trace potassic alteration. Cut by few quartz-pyrite veins with proximal phyllic and distal argillic halos. Patchy to semi-pervasive silicification throughout, causing quartz eyes.							
						MD	GN		POT	1I		
						MD	GY		PRO	3I	Py	0.1
						LT	GN		PHC	2I		
									ARG	2I		
									SIL	3I		
196.00	197.18	1.18	GRD	MG	Wide proximal phyllic and distal argillic vein halo on a wide massive quartz vein.							
						LT	WH		PHC	2I		
						LT	GN		ARG	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
197.18	197.94	0.76	GRD	MG	Granodiorite dominated by moderate-strong propylitic alteration and patches of trace potassic alteration. Cut by few quartz-pyrite veins with proximal phyllic and distal argillic halos. Patchy to semi-pervasive silicification throughout, causing quartz eyes.							
						MD	GN		PRO	3I		
									SIL	2I		
216.82	220.80	3.98	GRD	MG	Proximal phyllic and distal argillic vein halos with patchy potassic overprinting argillic. Some fracturing and clay alteration around 221-222m, where a crumbled pyrite vein and carbonate veinlets are present.							
						MD	GY		CLY	2I		
						LT	GN	PA	PHC	4I	Py	1
						LT	WH		ARG	3I		
									POT	1I		
									PRO	1I		
220.80	222.01	1.21	GRD	MG	Moderate phyllic and argillic altered granodiorite that has been fractured and cut by pyrite vein and carbonate veinlets. Veins are crumbled, and clay alteration coats many fractures.							
						LT	GY	RB	ARG	3I		
						LT	GN	FR	PHC	3I	Py	3
									CLY	2I		
222.01	228.93	6.92	GRD	MG	Proximal phyllic and distal argillic vein halos with patchy potassic overprinting argillic. Short sections of propylitic alteration are present between halos.							
						MD	GN		POT	1I		
						LT	GN	PA	PHC	2I	Py	0.1
						LT	WH		PRO	2I		
						LT	PK		ARG	2I		
228.93	233.78	4.85	GRD	MG	Dominated by weakly propylitic-potassic granodiorite with rare proximal phyllic and distal argillic halos on quartz-pyrite veinlets.							
						MD	GN	PA	PHC	1I	Py	0.1
						MD	GY		ARG	1I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	GN		POT	1I		
						LT	PK		PRO	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
3.35	6.15	2.80	GRD	MG	Original granodiorite was moderate-strongly phyllic altered and cut by pyrite-bearing black breccia. Moderate-strong oxidation and fracturing has led to rubbly recovery with moderate oxide staining. Limonite and goethite are present on some fracture faces. Disseminated pyrite in phyllic groundmass.							
						LT	GN	RB	PHC	3I	Py	1
						MD	BN	FR	OXI	3I		
						LT	OR		LIM	2I		
6.15	19.55	13.40	QFP	FG	Light green-tan quartz feldspar porphyry dyke with strong hydrothermal alteration. Pervasive oxide staining becomes semi-pervasive below 17m depth. Fractures show clay alteration. All phenocrysts are altered to clay, except for quartz eyes.							
						LT	TN	PO	HYD	4I		
						LT	GN	FR	CLY	2I		
						LT	BN		OXI	3I		
19.55	26.24	6.69	GRD	MG	Granodiorite cut by quartz veins and black breccias hosting sulphides, with proximal phyllic and distal argillic halos. Disseminated pyrite is hosted in phyllic granodiorite. Weak-trace semi-pervasive oxide staining along fractures. Argillic patches are overprinted by trace potassic alteration. Stronger mineralization along contacts with quartz feldspar porphyry dyke. Weak-trace clay alteration along fractures.							
						LT	WH	MO	ARG	3I		
						LT	GN	PA	PHC	3I	Py	1
						LT	PK		OXI	2I		
						LT	BN		CLY	1I		
									POT	1I		
26.24	35.60	9.36	QFP	FG	Light green-grey quartz feldspar porphyry dyke with strong hydrothermally alteration. Recovery is competent and undergoes only trace oxide staining until 28.57m depth. Below this, core is intensely fractured and rubbly, with clay alteration and pervasive oxide staining.							
						LT	GN	PO	HYD	4I		
						LT	GY		OXI	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	BN		CLY	2I		
35.60	51.27	15.67	GRD	MG	Granodiorite dominated by distal argillic-potassic and proximal phyllic vein halos. There are often short patches of fresher granodiorite, with only potassic or weak propylitic alteration. Crosscutting veins are mostly quartz-pyrite +/- carbonate. Disseminated pyrite is hosted in phyllic groundmass. Trace oxide staining on few fractures.							
						LT	GN	PA	PHC	3I	Py	0.1
						LT	WH	MO	ARG	2I		
						LT	PK		PRO	2I		
						MD	GY		POT	1I		
						LT	BN		OXI	1I		
51.27	53.95	2.68	GRD	MG	Strong-moderate phyllic altered granodiorite leading up to a vein breccia. Cut by mineralized black breccia, quartz-pyrite veinlets, and netted carbonate.							
						LT	GN		PHC	4I	Py	2
53.95	55.04	1.09	BXA	MG	Well mineralized vein breccia with oxide stained fractures. Oxides include scorodite. Vein breccia is varied, with mostly parallel running veins of smoky quartz-pyrite brecciated by white quartz-carbonate. White quartz-carbonate carries honey brown sphalerite and galena. Partial clay alteration on many fractures. Arsenopyrite is interstitial-disseminated within pyrite.							
											As	1
						MD	GY	FR	OXI	2I	Py	8
						MD	BR				Sp	1
						DK	GY	BX			Gn	0.5
55.04	57.23	2.19	GRD	MG	Strong-moderate phyllic altered granodiorite leading up to a vein breccia. Cut by quartz-pyrite veinlets. Trace oxide staining on fractures.							
						LT	GN		PHC	4I	Py	1
									ARG	1I		
									OXI	1I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
57.23	98.87	41.64	GRD	MG	Generally weak patchy propylitic and potassic altered granodiorite, cut by occasional veins (quartz pyrite and carbonate) with proximal phyllic and distal argillic halos. No oxide staining, and trace clay on some fractures.							
						MD	GY	PA	PHC	2I	Py	0.1
						LT	PK	MO	ARG	2I		
						LT	GN		PRO	2I		
						LT	WH		POT	1I		
									CLY	1I		
98.87	112.07	13.20	GRD	MG	Granodiorite with proximal phyllic and distal argillic halos on veins. Argillic halos are more prominent than phyllic, and are weakly potassic altered. Trace oxide staining on clay altered fractures. Cut by quartz-pyrite veins/stringers and some clay altered breccias.							
									OXI	1I		
						LT	PK		CLY	1I		
						LT	WH		PHC	2I		
						LT	GN	PA	ARG	3I	Py	0.1
112.07	112.53	0.46	VEN	MG	BRX hanging wall veins. These two polymetallic veins are each 9cm wide, with about 30cm of strongly phyllic granodiorite hosting disseminated pyrite.							
											As	2
						MD	GY				Sp	1
						LT	GN		PHC	4I	Py	3
112.53	114.74	2.21	QFP	FG	Light green strongly hydrothermally altered quartz feldspar porphyry dyke with unusual mineralization within it. It is cut by dark clay altered sulphide bearing veinlets. Quartz phenocrysts are unaltered, but all other phenocrysts are reduced to clay.							
						LT	GN	PO	HYD	4I	Py	0.1
						LT	GY		CLY	2I		
114.74	115.03	0.29	BXA	FG	Clay altered dark grey contact breccia with few clasts of white carbonate veinlets and massive pyrite veinlets. Obvious flow or strain direction.							
						DK	GY	SH	CLY	3I	Py	5
						DK	BK				Py	2

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
115.03	131.68	16.65	GRD	MG	Phyllic dominated granodiorite with proximal phyllic and distal argillic halos on frequent mineralized veining. Mineralization is mostly pyrite, though, some veins carry honey brown sphalerite and galena. Short fracture zones show clay alteration along surfaces.							
						LT	GY		CLY	1I	Gn	0.1
						LT	WH		ARG	2I	Py	1
						LT	GN	FR	PHC	3I	Py	1
											Sp	0.1
131.68	133.43	1.75	QFP	FG	Medium tan quartz feldspar porphyry dyke cut by netted fractures with trace clay alteration on surfaces. Strong pervasive hydrothermal alteration throughout, with stronger clay alteration near contacts.							
						MD	TN	PO	HYD	4I		
								FR				
								CR	CLY	2I		
133.43	137.01	3.58	GRD	MG	Strongly phyllic altered granodiorite with weak clay alteration along fractures. Short patches of argillic alteration are overprinted by phyllic. This is cut by mineralized smoky quartz veins.							
						LT	GY	CR	PHC	4I		
						LT	GN	PA	CLY	2I		
									ARG	1I		
137.01	162.08	25.07	GRD	MG	Interval dominated by proximal phyllic and distal argillic vein halos, with most argillic alteration showing overprinting by phyllic. Patchy silicification is common, and appears to be associated with disseminated tourmaline. Crosscutting veins are typically quartz bearing pyrite or massive pyrite veins. Phyllic alteration carries disseminated pyrite. Weakly brecciated by smoky quartz around 137-138m.							
						LT	GY		SIL	3I	To	0.1
						LT	GN	PA	PHC	4I	Py	2
									ARG	2I		
162.08	170.89	8.81	GRD	MG	Wide patches of proximal phyllic and distal argillic vein halos with moderate propylitic altered patches inbetween. Cut by relatively few quartz-pyrite veins.							
						MD	GN		PRO	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	GN	PA	PHC	3I	Py	0.1
						LT	WH		ARG	3I		
170.89	171.11	0.22	BXA	MG	Polylithic quartz matrix-supported breccia with clasts of phyllic granodiorite, pyrite veins, and quartz-pyrite veins. Weak clay alteration around clasts.							
						LT	GN					
						MD	BR		CLY	2I		
						MD	GY	BX	PHC	2I	Py	15
171.11	185.08	13.97	GRD	MG	Wide patches of proximal phyllic and distal argillic vein halos with moderate propylitic altered patches inbetween. Cut by relatively few quartz-pyrite veins. Patchy silicification can be found variably overprinting all other alteration types.							
									SIL	2I		
						MD	GN		ARG	3I		
						LT	WH	RX	PHC	3I		
						LT	GN	PA	PRO	2I	Py	0.1
185.08	197.94	12.86	GRD	MG	Granodiorite dominated by moderate-strong propylitic alteration and patches of trace potassic alteration. Cut by few quartz-pyrite veins with proximal phyllic and distal argillic halos. Patchy to semi-pervasive silicification throughout, causing quartz eyes.							
									POT	1I		
								PA	SIL	2I		
						MD	GN	RX	PRO	3I		
									PHC	2I		
									ARG	2I		
216.82	228.93	12.11	GRD	MG	Proximal phyllic and distal argillic vein halos with patchy potassic overprinting argillic. Some fracturing and clay alteration around 221-222m, where a crumbled pyrite vein and carbonate veinlets are present.							
						MD	GY		CLY	2I		
						LT	WH		ARG	3I		
									POT	1I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
									PRO	1I		
						LT	GN	PA	PHC	4I	Py	1
228.93	233.78	4.85	GRD	MG	Dominated by weakly propylitic-potassic granodiorite with rare proximal phyllic and distal argillic halos on quartz-pyrite veinlets.							
						MD	GN	PA	PHC	1I	Py	0.1
						LT	GN		POT	1I		
						LT	PK		PRO	2I		
						MD	GY		ARG	1I		

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
0.00	3.35	3.35	0	0	0.00	0	--	--	--	
3.35	5.18	1.83	1.62	89	0.10	5	--	3H	3W	
5.18	8.23	3.05	2.26	74	0.55	18	--	3H	3W	
8.23	11.28	3.05	2.92	96	1.09	36	--	3H	2W	
11.28	14.33	3.05	2.74	90	0.93	30	--	3H	2W	
14.33	17.37	3.04	2.74	90	0.96	32	--	2H	2W	
17.37	20.42	3.05	2.43	80	1.05	34	--	3H	2W	
20.42	23.47	3.05	2.62	86	0.81	27	--	3H	2W	
23.47	26.52	3.05	2.75	90	0.99	32	--	3H	2W	
26.52	29.57	3.05	2.61	86	1.49	49	--	2H	3W	
29.57	32.61	3.04	2.52	83	0.26	9	--	3H	3W	
32.61	35.66	3.05	2.23	73	0.00	0	--	3H	3W	
35.66	38.71	3.05	2.75	90	1.49	49	--	3H	2W	
38.71	41.75	3.04	3.04	100	2.32	76	--	4H	1W	
41.75	44.80	3.05	3.05	100	2.59	85	--	4H	1W	
44.80	47.85	3.05	3.04	100	2.69	88	--	4H	1W	
47.85	50.90	3.05	2.8	92	2.26	74	--	4H	1W	
50.90	53.95	3.05	2.83	93	2.02	66	--	4H	1W	
53.95	57.00	3.05	2.38	78	0.82	27	--	3H	1W	
57.00	60.05	3.05	2.8	92	2.25	74	--	3H	1W	
60.05	63.09	3.04	2.82	93	2.08	68	--	4H	1W	
63.09	66.14	3.05	2.74	90	2.00	66	--	4H	1W	
66.14	69.19	3.05	2.8	92	1.73	57	--	4H	1W	
69.19	72.24	3.05	2.65	87	1.25	41	--	3H	1W	
72.24	75.29	3.05	2.8	92	1.90	62	--	3H	1W	
75.29	78.33	3.04	2.93	96	2.46	81	--	4H	1W	
78.33	81.38	3.05	2.84	93	2.13	70	--	3H	1W	
81.38	84.43	3.05	2.82	92	2.41	79	--	3H	1W	
84.43	87.48	3.05	2.53	83	2.07	68	--	3H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
87.48	90.52	3.04	2.96	97	2.50	82	--	3H	1W	
90.52	93.57	3.05	2.91	95	2.52	83	--	4H	1W	
93.57	96.62	3.05	2.96	97	1.79	59	--	4H	1W	
96.62	99.67	3.05	2.85	93	2.14	70	--	3H	1W	
99.67	102.72	3.05	2.86	94	1.97	65	--	3H	1W	
102.72	105.76	3.04	2.82	93	2.22	73	--	3H	1W	
105.76	108.81	3.05	2.36	77	1.27	42	--	3H	1W	
108.81	111.86	3.05	2.85	93	1.43	47	--	3H	1W	
111.86	114.91	3.05	2.91	95	2.27	74	--	3H	1W	
114.91	117.96	3.05	2.89	95	1.44	47	--	3H	1W	
117.96	121.00	3.04	2.46	81	1.47	48	--	4H	1W	
121.00	124.05	3.05	2.93	96	2.11	69	--	4H	1W	
124.05	127.10	3.05	2.63	86	1.66	54	--	4H	1W	
127.10	130.15	3.05	2.62	86	1.04	34	--	4H	1W	
130.15	133.20	3.05	2.83	93	1.85	61	--	2H	1W	
133.20	136.25	3.05	2.94	96	1.16	38	--	3H	1W	
136.25	139.29	3.04	2.78	91	1.09	36	--	4H	1W	
139.29	142.34	3.05	2.75	90	1.42	47	--	3H	1W	
142.34	145.39	3.05	2.7	89	1.47	48	--	4H	1W	
145.39	148.44	3.05	2.8	92	1.38	45	--	3H	1W	
148.44	151.49	3.05	2.8	92	1.72	56	--	4H	1W	
151.49	154.53	3.04	2.45	81	0.73	24	--	3H	1W	
154.53	157.58	3.05	2.89	95	2.28	75	--	4H	1W	
157.58	160.63	3.05	2.93	96	2.43	80	--	4H	1W	
160.63	163.68	3.05	2.97	97	2.46	81	--	4H	1W	
163.68	166.72	3.04	2.58	85	1.40	46	--	4H	1W	
166.72	169.77	3.05	2.76	90	1.47	48	--	4H	1W	
169.77	172.82	3.05	2.52	83	1.34	44	--	4H	1W	
172.82	175.87	3.05	2.97	97	2.54	83	--	4H	1W	
175.87	178.92	3.05	2.61	86	1.64	54	--	4H	1W	
178.92	181.96	3.04	2.89	95	1.19	39	--	4H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
181.96	185.01	3.05	2.04	67	0.89	29	--	3H	1W	
185.01	188.06	3.05	3.04	100	3.00	98	--	4H	1W	
188.06	191.11	3.05	3.05	100	2.76	90	--	5H	1W	
191.11	194.16	3.05	2.98	98	2.78	91	--	5H	1W	
194.16	197.21	3.05	2.97	97	2.73	90	--	4H	1W	
197.21	200.25	3.04	3.04	100	2.45	81	--	3H	1W	
200.25	203.30	3.05	3.03	99	1.34	44	--	3H	1W	
203.30	206.35	3.05	2.26	74	0.87	29	--	3H	1W	
206.35	209.40	3.05	2.17	71	1.00	33	--	3H	1W	
209.40	212.45	3.05	2.57	84	1.99	65	--	4H	1W	
212.45	215.49	3.04	3.04	100	0.58	19	--	3H	1W	
215.49	218.54	3.05	3.05	100	1.51	50	--	3H	1W	
218.54	221.59	3.05	3	98	0.96	31	--	3H	1W	
221.59	224.64	3.05	2.93	96	0.25	8	--	4H	1W	
224.64	227.69	3.05	3.04	100	1.58	52	--	3H	1W	
227.69	230.73	3.04	3.03	100	2.10	69	--	4H	1W	
230.73	233.78	3.05	2.97	97	2.72	89	--	4H	1W	

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
0.00	0.00	0.00	-QC-	0.00	0	R499191	☐	15-027		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R499850	☐	15-030		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R499834	☐	15-029		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R499826	☐	15-029			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R499810	☐	15-029		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R499806	☐	15-029			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R499143	☐	15-025		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R499281	☐	15-037	HG 3	ME-140	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R499852	☐	15-030			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R499187	☐	15-027			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R499180	☐	15-027			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R499177	☐	15-027		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R499166	☐	15-025		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R499164	☐	15-025			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R499151	☐	15-025			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R499288	☐	15-037	HG 3	KL-STD6	☐	☐	☐
18.50	19.55	1.05	QFP	0.96	91	R499138	☐	15-025			☐	☐	☐
19.55	19.89	0.34	QFP, GRD	0.32	94	R499278	☐	15-037	HG 3		☐	☐	☐
19.89	21.01	1.12	GRD	1.12	100	R499139	☐	15-025			☐	☐	☐
21.01	21.66	0.65	GRD	0.65	100	R499140	☐	15-025			☐	☐	☐
21.66	23.05	1.39	GRD	1.21	87	R499141	☐	15-025			☐	☐	☐
23.05	25.12	2.07	GRD	1.92	93	R499142	☐	15-025			☐	☐	☐
25.12	25.92	0.80	GRD	0.79	99	R499144	☐	15-025			☐	☐	☐
25.92	26.24	0.32	GRD	0.32	100	R499145	☐	15-025			☐	☐	☐
26.24	27.24	1.00	QFP, GRD	1.00	100	R499146	☐	15-025			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
26.24	27.24	1.00	QFP, GRD	1.00	100	R499147	☐	15-025			☐	☐	☑
35.60	36.44	0.84	QFP, GRD	0.74	88	R499148	☐	15-025			☐	☐	☐
36.44	37.53	1.09	GRD	1.09	100	R499149	☐	15-025			☐	☐	☐
37.53	38.18	0.65	GRD	0.63	97	R499150	☐	15-025			☐	☐	☐
38.18	39.43	1.25	GRD	1.25	100	R499152	☐	15-025			☐	☐	☐
39.43	40.21	0.78	GRD	0.74	95	R499153	☐	15-025			☐	☐	☐
44.80	45.36	0.56	GRD	0.56	100	R499154	☐	15-025			☐	☐	☐
45.36	45.69	0.33	GRD	0.33	100	R499155	☐	15-025			☐	☐	☐
45.69	46.30	0.61	GRD	0.59	97	R499156	☐	15-025			☐	☐	☐
51.24	52.89	1.65	GRD	1.42	86	R499157	☐	15-025			☐	☐	☐
52.89	53.30	0.41	GRD	0.38	93	R499158	☐	15-025			☐	☐	☐
53.30	53.95	0.65	GRD	0.65	100	R499159	☐	15-025			☐	☐	☐
53.95	54.74	0.79	GRD, BXA	0.79	100	R499280	☐	15-037	HG 3		☐	☐	☐
54.74	55.04	0.30	BXA	0.28	93	R499282	☐	15-037	HG 3		☐	☐	☐
55.04	55.97	0.93	GRD, BXA	0.83	89	R499160	☐	15-025			☐	☐	☐
55.97	57.23	1.26	GRD	1.22	97	R499161	☐	15-025			☐	☐	☐
69.52	70.36	0.84	GRD	0.82	98	R499162	☐	15-025			☐	☐	☐
84.56	86.20	1.64	GRD	1.40	85	R499163	☐	15-025			☐	☐	☐
86.20	88.02	1.82	GRD	1.59	87	R499165	☐	15-025			☐	☐	☐
88.02	88.84	0.82	GRD	0.82	100	R499167	☐	15-025			☐	☐	☐
88.84	89.88	1.04	GRD	1.03	99	R499168	☐	15-025			☐	☐	☐
89.88	92.21	2.33	GRD	2.19	94	R499169	☐	15-027			☐	☐	☐
92.21	94.65	2.44	GRD	2.44	100	R499170	☐	15-027			☐	☐	☐
94.65	95.27	0.62	GRD	0.57	92	R499171	☐	15-027			☐	☐	☐
95.27	96.02	0.75	GRD	0.66	88	R499172	☐	15-027			☐	☐	☐
96.02	98.87	2.85	GRD	2.61	92	R499173	☐	15-027			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
96.02	98.87	2.85	GRD	2.61	92	R499174	☐	15-027			☐	☐	☑
98.87	99.94	1.07	GRD, GRD	1.03	96	R499175	☐	15-027			☐	☐	☐
99.94	100.78	0.84	GRD	0.84	100	R499176	☐	15-027			☐	☐	☐
100.78	102.64	1.86	GRD	1.60	86	R499178	☐	15-027			☐	☐	☐
106.86	108.00	1.14	GRD	0.82	72	R499179	☐	15-027			☐	☐	☐
108.00	109.18	1.18	GRD	1.09	92	R499181	☐	15-027			☐	☐	☐
109.18	111.43	2.25	GRD	1.20	53	R499182	☐	15-027			☐	☐	☐
111.43	112.07	0.64	GRD	0.63	98	R499183	☐	15-027			☐	☐	☐
112.07	112.53	0.46	GRD, VEN	0.45	98	R499284	☐	15-037	HG 3		☐	☐	☐
112.53	113.89	1.36	QFP, VEN	1.35	99	R499184	☐	15-027			☐	☐	☐
113.89	114.71	0.82	QFP	0.82	100	R499185	☐	15-027			☐	☐	☐
114.71	115.03	0.32	QFP	0.28	88	R499186	☐	15-027			☐	☐	☐
115.03	115.96	0.93	BXA, GRD	0.93	100	R499188	☐	15-027			☐	☐	☐
115.96	117.22	1.26	GRD	1.09	87	R499189	☐	15-027			☐	☐	☐
117.22	119.01	1.79	GRD	1.55	87	R499190	☐	15-027			☐	☐	☐
119.01	119.53	0.52	GRD	0.52	100	R499192	☐	15-027			☐	☐	☐
119.53	121.19	1.66	GRD	1.50	90	R499193	☐	15-027			☐	☐	☐
119.53	121.19	1.66	GRD	1.50	90	R499194	☐	15-027			☐	☑	☐
121.19	122.39	1.20	GRD	1.19	99	R499195	☐	15-027			☐	☐	☐
122.39	123.78	1.39	GRD	1.34	96	R499196	☐	15-027			☐	☐	☐
123.78	125.21	1.43	GRD	1.38	97	R499197	☐	15-027			☐	☐	☐
125.21	126.66	1.45	GRD	1.25	86	R499198	☐	15-027			☐	☐	☐
126.66	127.67	1.01	GRD	0.90	89	R499199	☐	15-027			☐	☐	☐
127.67	129.74	2.07	GRD	1.71	83	R499200	☐	15-027			☐	☐	☐
129.74	130.06	0.32	GRD	0.32	100	R499801	☐	15-027			☐	☐	☐
130.06	130.98	0.92	GRD	0.90	98	R499802	☐	15-027			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
130.98	131.68	0.70	GRD	0.51	73	R499803	☐	15-027			☐	☐	☐
131.68	133.43	1.75	GRD, QFP	1.75	100	R499804	☐	15-027			☐	☐	☐
133.43	134.68	1.25	QFP, GRD	1.16	93	R499805	☐	15-029			☐	☐	☐
134.68	135.71	1.03	GRD	0.97	94	R499807	☐	15-029			☐	☐	☐
135.71	136.87	1.16	GRD	1.13	97	R499808	☐	15-029			☐	☐	☐
136.87	137.50	0.63	GRD	0.61	97	R499285	☐	15-037	HG 3		☐	☐	☐
137.50	138.34	0.84	GRD	0.81	96	R499809	☐	15-029			☐	☐	☐
138.34	139.29	0.95	GRD	0.88	93	R499811	☐	15-029			☐	☐	☐
139.29	141.71	2.42	GRD	1.28	53	R499812	☐	15-029			☐	☐	☐
141.71	143.90	2.19	GRD	2.04	93	R499813	☐	15-029			☐	☐	☐
143.90	146.26	2.36	GRD	2.20	93	R499814	☐	15-029			☐	☐	☐
143.90	146.26	2.36	GRD	2.20	93	R499815	☐	15-029			☐	☐	☑
146.26	147.50	1.24	GRD	1.12	90	R499816	☐	15-029			☐	☐	☐
147.50	148.76	1.26	GRD	1.26	100	R499817	☐	15-029			☐	☐	☐
148.76	149.96	1.20	GRD	1.15	96	R499818	☐	15-029			☐	☐	☐
164.50	165.00	0.50	GRD	0.42	84	R499819	☐	15-029			☐	☐	☐
165.00	165.30	0.30	GRD	0.30	100	R499820	☐	15-029			☐	☐	☐
165.30	165.80	0.50	GRD	0.50	100	R499821	☐	15-029			☐	☐	☐
165.80	167.62	1.82	GRD	1.70	93	R499822	☐	15-029			☐	☐	☐
165.80	167.62	1.82	GRD	1.70	93	R499823	☐	15-029			☐	☑	☐
167.62	168.27	0.65	GRD	0.52	80	R499824	☐	15-029			☐	☐	☐
168.27	168.78	0.51	GRD	0.50	98	R499825	☐	15-029			☐	☐	☐
168.78	170.39	1.61	GRD	1.36	84	R499827	☐	15-029			☐	☐	☐
170.39	170.89	0.50	GRD	0.48	96	R499828	☐	15-029			☐	☐	☐
170.89	171.14	0.25	GRD, BXA	0.25	100	R499286	☐	15-037	HG 3		☐	☐	☐
171.14	171.70	0.56	GRD	0.55	98	R499829	☐	15-029			☐	☐	☐
171.70	172.67	0.97	GRD	0.85	88	R499830	☐	15-029			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
172.67	175.09	2.42	GRD	2.42	100	R499831	☐	15-029			☐	☐	☐
175.09	177.93	2.84	GRD	2.62	92	R499832	☐	15-029			☐	☐	☐
177.93	179.05	1.12	GRD	1.10	98	R499833	☐	15-029			☐	☐	☐
179.05	181.19	2.14	GRD	2.01	94	R499835	☐	15-029			☐	☐	☐
181.19	183.54	2.35	GRD	1.52	65	R499836	☐	15-029			☐	☐	☐
183.54	183.85	0.31	GRD	0.31	100	R499837	☐	15-029			☐	☐	☐
183.85	185.95	2.10	GRD	2.08	99	R499838	☐	15-029			☐	☐	☐
185.95	186.45	0.50	GRD	0.50	100	R499839	☐	15-029			☐	☐	☐
186.45	186.82	0.37	GRD	0.37	100	R499287	☐	15-037	HG 3		☐	☐	☐
186.82	187.32	0.50	GRD	0.49	98	R499840	☐	15-029			☐	☐	☐
187.32	188.06	0.74	GRD	0.74	100	R499841	☐	15-030			☐	☐	☐
194.42	194.94	0.52	GRD	0.52	100	R499842	☐	15-030			☐	☐	☐
194.94	196.49	1.55	GRD	1.45	94	R499843	☐	15-030			☐	☐	☐
196.49	196.95	0.46	GRD	0.44	96	R499844	☐	15-030			☐	☐	☐
196.95	197.94	0.99	GRD	0.98	99	R499845	☐	15-030			☐	☐	☐
196.95	197.94	0.99	GRD	0.98	99	R499846	☐	15-030			☐	☑	☐
216.82	217.98	1.16	GRD, GRD	1.05	91	R499847	☐	15-030			☐	☐	☐
217.98	218.66	0.68	GRD	0.65	96	R499848	☐	15-030			☐	☐	☐
218.66	219.00	0.34	GRD	0.34	100	R499289	☐	15-037	HG 3		☐	☐	☐
219.00	220.80	1.80	GRD	1.79	99	R499849	☐	15-030			☐	☐	☐
220.80	222.01	1.21	GRD	0.86	71	R499851	☐	15-030			☐	☐	☐
222.01	222.95	0.94	GRD	0.82	87	R499853	☐	15-030			☐	☐	☐
222.95	224.36	1.41	GRD	1.41	100	R499854	☐	15-030			☐	☐	☐
224.36	225.54	1.18	GRD	1.14	97	R499855	☐	15-030			☐	☐	☐
225.54	227.40	1.86	GRD	1.72	92	R499856	☐	15-030			☐	☐	☐
227.40	227.97	0.57	GRD	0.57	100	R499857	☐	15-030			☐	☐	☐
227.97	228.93	0.96	GRD	0.96	100	R499858	☐	15-030			☐	☐	☐

Klaza - Klaza Project

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		382269	6890821	1295.74	288.64

ZONE: Western Klaza

SECTION:

HOLE: KL-15-251

CLAIM:

Contractor: Platinum

Drill: 2

Core Size: HQ

Casing Depth: 2.14m, Out

Drilling Dates: Jun 22 -

Geology Logged By: D. Walsh

SURVEY			
Depth (m)	Azimuth	Dip	Method
14.32	33.6	-51.7	Reflex
288.64	39.7	-52.1	Reflex

TARGET:

SUMMARY			
From (m)	To (m)	Interval (m)	Rock Type
0	2.14	2.14	CAS
2.14	3.57	1.43	GRD
3.57	4.04	0.47	VEN
4.04	17.73	13.69	GRD
17.73	24.42	6.69	GRD
24.42	26.14	1.72	QFP
26.14	31.07	4.93	GRD
31.07	43.08	12.01	GRD
43.08	46.79	3.71	GRD
46.79	114.75	67.96	GRD
114.75	115.16	0.41	GRD
115.16	116.22	1.06	QFP
116.22	118.81	2.59	GRD
118.81	209.07	90.26	GRD
209.07	215.45	6.38	GRD
215.45	241.57	26.12	GRD

SAMPLES	
Numbers:	R498585 to R498639, R499290 to R499294
Total:	60
Batch:	026, 028, 032, 037
Certificates:	WH15094119, WH15096135, WH15096141, WH15096152, WH15097593, WH15104174

COMMENTS

241.57	243.81	2.24	GRD
243.81	288.64	44.83	GRD

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
2.14	3.57	1.43	GRD	MG	Strongly oxidized and goethite stained, rubbly, partially gouge altered argillic altered granodiorite.							
						MD	BN	RB	ARG	2I	Go	5
						MD	OR		ARG	3I		
									OXI	4I		
3.57	4.04	0.47	GRD	MG	Strongly oxidized grey quartz brecciating cream carbonate. Oxidation obscures rock textures.							
									OXI	3I		
4.04	8.73	4.69	GRD	MG	Predominately pervasively oxidized moderate argillic alteration. Occasional patches of oxidized unaltered granodiorite. Argillic alteration patches are less competent.							
						MD	OR		ARG	3I		
						MD	GY					
						LT	OR		OXI	3I		
						LT	WH		OXI	4I		
9.54	17.73	8.19	GRD	MG	Predominately pervasively oxidized moderate argillic alteration. Occasional patches of oxidized unaltered granodiorite. Argillic alteration patches are less competent and generally rubbly.							
						MD	OR	RB	ARG	3I		
						MD	GY					
						LT	OR		OXI	3I		
						LT	WH		OXI	4I		
17.73	24.42	6.69	GRD	MG	Patchy pervasive oxidation of silicified moderately phyllic altered granodiorite.							
						MD	GN		SIL	3I		
						MD	OR		OXI	3I		
						LT	GN		PHC	3I		
									OXI	4I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
24.42	26.14	1.72	QFP	FG	Light grey quartz feldspar porphyry dyke. Dyke altered to dark purple proximal to contact. Dyke contacts are large and intermixed/interbedded with granodiorite. Moderate to strong oxidation along fracture surfaces.							
						LT	GY	PO	OXI	2I		
						DK	PU		OXI	3I		
26.14	27.00	0.86	GRD	MG	Potassic overprinted moderate argillic alteration. Strong oxidation along fracture surfaces and patchy pervasive oxidation throughout.							
						MD	OR		OXI	3I		
						LT	WH		OXI	4I		
									ARG	3I		
									POT	2I		
28.14	31.07	2.93	GRD	MG	Alternating patches of potassic overprinted moderate argillic alteration with a few small phyllic envelopes around quartz carbonate vein. Strong oxidation along fracture surfaces and patchy pervasive oxidation through argillic alteration.							
						MD	OR		OXI	3I		
						LT	WH		OXI	4I		
									ARG	3I		
									POT	2I		
31.07	43.08	12.01	GRD	MG	Trace propyllitic/potassic altered granodiorite with weak to moderate oxidation along fracture surfaces.							
						MD	GY		PRO	1I		
									POT	1I		
43.08	46.79	3.71	GRD	MG	Strong phyllic envelope around a quartz/carbonate/sulphide vein. Strong phyllic transitions to moderate phyllic which in turn transitions to potassic overprinted argillic alteration distally from vein. Argillic portion of halo hosts a few smaller quartz/carbonate +/- sulphide veins with their own small moderate phyllic halo. Patchy pervasive oxidation throughout.							
						MD	GN	EN	PHC	4I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	OR		ARG	3I		
						LT	GN	PA	PHC	3I		
									POT	2I		
									OXI	3I		
46.79	69.64	22.85	GRD	MG	Trace propyllitic/potassic altered granodiorite with weak to moderate oxidation along fracture surfaces.							
						MD	GY		PRO	1I		
									POT	1I		
69.64	70.19	0.55	GRD	MG	Moderate phyllic envelope around a smokey quartz/pyrite veinlet. Phyllic alteration transitions to potassic overprinted argillic alteration.							
						MD	GN	EN	PHC	3I		
						MD	PK		POT	2I		
						LT	WH		ARG	3I		
70.19	72.05	1.86	GRD	MG	Trace propyllitic/potassic altered granodiorite with weak to moderate oxidation along fracture surfaces.							
						MD	GY		PRO	1I		
									POT	1I		
72.05	73.74	1.69	GRD	MG	Weak to moderate phyllic alteration with patchy potassic/argillic alteration and weak propyllitic potassic alteration.							
						MD	PK		PRO	2I		
						MD	GN		PHC	3I		
						LT	GN	PA	PHC	2I		
						LT	WH		POT	2I		
									ARG	2I		
73.74	80.88	7.14	GRD	MG	Trace propyllitic/potassic altered granodiorite with weak to moderate oxidation along fracture surfaces.							
						MD	GY		PRO	1I		
									POT	1I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
80.88	82.23	1.35	GRD	MG	Small phyllic envelope around two quartz/carbonate veins. Phyllic alteration transitions to weak propyllitic/potassic overprinted argillic alteration							
								EN	PHC	2I		
									ARG	2I		
									PRO	2I		
									POT	2I		
82.23	111.72	29.49	GRD	MG	Trace propyllitic/potassic altered granodiorite with weak to moderate oxidation along fracture surfaces.							
						MD	GY		PRO	1I		
									POT	1I		
111.72	113.46	1.74	GRD	MG	Alternating patches of moderate phyllic alteration with quartz stringers, weak potassic/propyllitic alteration and moderate argillic alteration.							
						MD	GN		PRO	2I		
						MD	PK					
						MD	GY					
						LT	GN	PA	PHC	3I		
						LT	WH		ARG	3I		
						DK	GN		POT	2I		
113.46	114.75	1.29	GRD	MG	Trace propyllitic/potassic altered granodiorite with weak to moderate oxidation along fracture surfaces.							
						MD	GY		PRO	1I		
									POT	1I		
114.75	115.16	0.41	GRD	MG	Weak potassic/propyllitic overprinted argillic alteration transitioning to moderate potassic/propyllitic alteration which in turn transitions to moderate propyllitic over printed weak argillic alteration with proximity to dyke contact.							
						MD	PK		POT	2I		
						LT	WH		PRO	3I		
						DK	GN		POT	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
									ARG	2I		
115.16	116.22	1.06	QFP	FG	Light tan quartz feldspar porphyry dyke with a few small patches of dark purple/red alteration.							
						LT	TN	PO				
						DK	RD					
						DK	PU					
116.22	118.81	2.59	GRD	MG	Moderate phyllic with patchy moderate propyllitic alteration transitioning to potassic overprinted argillic alteration							
						MD	GN		PRO	3I		
						LT	GN	PA	PHC	3I		
						DK	GN		POT	2I		
									ARG	3I		
118.81	119.87	1.06	GRD	MG	Trace to weakly potassic/propyllitic altered granodiorite.							
						MD	GY		PRO	1I		
									POT	2I		
									PRO	2I		
									POT	1I		
119.87	121.21	1.34	GRD	MG	Moderate phyllic envelope around multiple rubbly quartz/pyrite veinlets. Phyllic alteration transitions to potassic overprinted argillic alteration distally from veinlets.							
						MD	GN		ARG	3I		
						LT	GN	EN	PHC	3I		
									POT	2I		
121.21	147.68	26.47	GRD	MG	Trace to weakly potassic/propyllitic altered granodiorite.							
						MD	GY		PRO	1I		
									PRO	2I		
									POT	1I		
									POT	2I		
147.68	148.24	0.56	GRD	MG	Small moderate phyllic envelopes around two quartz carbonate veins. Phyllic alteration transitions to moderate propyllitic/potassic alteration distally from veins.							
						MD	PK		ARG	3I		
						LT	GN	EN	PHC	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	WH		POT	2I		
148.24	155.53	7.29	GRD	MG	Trace to weakly potassic/propyllitic altered granodiorite.							
						MD	GY		PRO	1I		
									POT	1I		
									POT	2I		
									PRO	2I		
157.05	171.49	14.44	GRD	MG	Trace to weakly potassic/propyllitic altered granodiorite.							
						MD	GY		PRO	1I		
									PRO	2I		
									POT	1I		
									POT	2I		
171.49	173.36	1.87	GRD	MG	Partially broken up and rubbly potassic/propyllitic overprinted moderate argillic alteration.							
						MD	PK		PRO	2I		
						LT	WH	RB	ARG	3I		
						DK	GN		POT	2I		
173.36	189.95	16.59	GRD	MG	Trace to weakly potassic/propyllitic altered granodiorite.							
						MD	GY		PRO	1I		
									POT	2I		
									PRO	2I		
									POT	1I		
189.95	196.12	6.17	GRD	MG	Alternating patches of weakly potassic/propyllitic overprinted moderate argillic alteration and moderate propyllitic/potassic alteration. Small weak to moderate phyllic envelopes surrounding quartz/carbonate veins.							
						MD	GN		PRO	2I		
						MD	PK		ARG	3I		
						LT	WH	RB	PRO	3I		
						LT	GN		POT	2I		
						DK	GN		POT	3I		
									PHC	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
									PHC	3I		
196.12	199.08	2.96	GRD	MG	Moderately phyllic altered granodiorite with patches of weak propyllitic and weak argillic alteration. Transitions to moderate potassic overprinted argillic alteration near the end of the interval.							
						MD	GN		PRO	2I		
						LT	GN	PA	PHC	3I		
						LT	WH		POT	2I		
						DK	GN		ARG	2I		
199.08	202.41	3.33	GRD	MG	Trace to weakly potassic/propyllitic altered granodiorite.							
						MD	GY		PRO	1I		
									PRO	2I		
									POT	1I		
									POT	2I		
202.41	203.08	0.67	GRD	MG	Patchy moderate phyllic, propyllitic and potassic alteration.							
						MD	PK		POT	3I		
						LT	GN	PA	PHC	3I		
						DK	GN		PRO	3I		
203.08	209.07	5.99	GRD	MG	Trace to weakly potassic/propyllitic altered granodiorite.							
						MD	GY		PRO	1I		
									POT	2I		
									PRO	2I		
									POT	1I		
209.07	215.45	6.38	GRD	MG	Moderate phyllic altered granodiorite with patchy weak to moderate propyllitic alteration and patchy weak argillic alteration. Hosts multiple quartz/carbonate/sulphide veins and one large western Klaza zone vein.							
						MD	GN		PHC	3I		
						LT	GN		PRO	3I		
						LT	WH		ARG	2I		
						DK	GN		PRO	2I		
215.45	217.71	2.26	GRD	MG	Trace to weakly potassic/propyllitic altered granodiorite.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GY		PRO	1I		
									POT	2I		
									PRO	2I		
									POT	1I		
217.71	224.44	6.73	GRD	MG	Weak to moderate propyllitic/potassic altered granodiorite with patchy potassic overprinted moderate argillic alteration. Hosts a very long low angle quartz/carbonate vein. Alteration around the vein is weak phyllic, moderate propyllitic and weak potassic.							
						MD	PK		POT	3I		
						MD	GN		PRO	2I		
						LT	WH		PHC	2I		
						DK	GN		PRO	3I		
									ARG	2I		
									ARG	3I		
224.44	233.20	8.76	GRD	MG	Trace to weakly potassic/propyllitic altered granodiorite.							
						MD	GY		PRO	1I		
									PRO	2I		
									POT	1I		
									POT	2I		
233.20	234.71	1.51	GRD	MG	Moderate phyllic envelope surrounding multiple carbonate +/- quartz veins and veinlets. Phyllic alteration transitions to potassic/propyllitic overprinted argillic alteration distally from veining.							
						MD	GN		PRO	2I		
						MD	PK		ARG	2I		
						LT	GN	EN	PHC	2I		
						LT	WH		POT	2I		
234.71	241.57	6.86	GRD	MG	Trace to weakly potassic/propyllitic altered granodiorite.							
						MD	GY		PRO	1I		
									PRO	2I		
									POT	1I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
									POT	2I		
241.57	242.20	0.63	GRD	MG	Moderate phyllic envelope with patchy weak propyllitic alteration around a quartz carbonate western klaza vein.							
						LT	GN	EN	PHC	3I		
						DK	GN		PRO	2I		
242.20	242.92	0.72	GRD	MG	Weakly potassic/propyllitic altered granodiorite.							
						MD	PK		POT	2I		
						MD	GY		PRO	2I		
						DK	GN					
242.92	243.81	0.89	GRD	MG	Moderate phyllic/propyllitic envelope surrounding a quartz/carbonate western klaza zone vein.							
						MD	GN	EN	PHC	3I		
						LT	GN		PRO	3I		
						DK	GN					
243.81	256.93	13.12	GRD	MG	Trace to weakly potassic/propyllitic altered granodiorite.							
						MD	GY		PRO	1I		
									PRO	2I		
									POT	1I		
									POT	2I		
256.93	261.19	4.26	GRD	MG	Moderate phyllic altered granodiorite with patchy weak propyllitic/moderate phyllic and potassic overprinted moderate argillic alteration.							
						MD	PK					
						MD	GN		PHC	3I		
						LT	WH		ARG	3I		
						LT	GN		PRO	2I		
						DK	GN		POT	2I		
273.12	280.02	6.90	GRD	MG	Alternating patches of moderate phyllic alteration, potassic overprinted argillic alteration, and moderate potassic/propyllitic alteration.							
						MD	GN	PA	PRO	2I		
						MD	PK		ARG	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	GN		POT	2I		
						LT	WH		POT	3I		
						DK	GN		PRO	3I		
280.02	288.64	8.62	GRD	MG	Trace to weakly potassic/propyllitic altered granodiorite with small patches of potassic overprinted argillic alteration.							
						MD	GY	PA	PRO	1I		
						MD	PK		POT	2I		
						LT	WH		POT	1I		
									ARG	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
2.14	3.57	1.43	GRD	MG	Strongly oxidized and goethite stained, rubbly, partially gouge altered argillic altered granodiorite.							
						MD	BN	RB	ARG	2I	Go	5
						MD	OR		ARG	3I		
									OXI	4I		
3.57	4.04	0.47	VEN	--	Strongly oxidized grey quartz brecciating cream carbonate. Oxidation obscures rock textures.							
									OXI	3I		
4.04	17.73	13.69	GRD	MG	Predominately pervasively oxidized moderate argillic alteration. Occasional patches of oxidized unaltered granodiorite. Argillic alteration patches are less competent and generally rubbly.							
						LT	WH		OXI	4I		
						LT	OR		OXI	3I		
						MD	GY					
						MD	OR		ARG	3I		
17.73	24.42	6.69	GRD	MG	Patchy pervasive oxidation of silicified moderately phyllic altered granodiorite.							
									OXI	4I		
						MD	OR		OXI	3I		
						LT	GN		PHC	3I		
						MD	GN		SIL	3I		
24.42	26.14	1.72	QFP	FG	Light grey quartz feldspar porphyry dyke. Dyke altered to dark purple proximal to contact. Dyke contacts are large and intermixed/interbedded with granodiorite. Moderate to strong oxidation along fracture surfaces.							
						DK	PU		OXI	3I		
						LT	GY	PO	OXI	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
26.14	31.07	4.93	GRD	MG	Alternating patches of potassic overprinted moderate argillic alteration and trace potassic/propyllitic alteration with a few small phyllic envelopes around quartz carbonate vein. Strong oxidation along fracture surfaces and patchy pervasive oxidation through argillic alteration.							
									POT	2I		
						MD	OR	PA	OXI	3I		
						MD	GY		ARG	3I		
									POT	1I		
									PRO	1I		
						LT	WH		OXI	4I		
31.07	43.08	12.01	GRD	MG	Trace propyllitic/potassic altered granodiorite with weak to moderate oxidation along fracture surfaces.							
						MD	GY		PRO	1I		
									POT	1I		
43.08	46.79	3.71	GRD	MG	Strong phyllic envelope around a quartz/carbonate/sulphide vein. Strong phyllic transitions to moderate phyllic which in turn transitions to potassic overprinted argillic alteration distally from vein. Argillic portion of halo hosts a few smaller quartz/carbonate +/- sulphide veins with their own small moderate phyllic halo. Patchy pervasive oxidation throughout.							
						MD	GN	EN	PHC	4I		
									POT	2I		
						MD	OR		ARG	3I		
						LT	GN	PA	PHC	3I		
									OXI	3I		
46.79	114.75	67.96	GRD	MG	Trace propyllitic/potassic altered granodiorite with weak to moderate oxidation along fracture surfaces.							
						MD	GY		PRO	1I		
									POT	1I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
114.75	115.16	0.41	GRD	MG	Weak potassic/propyllitic overprinted argillic alteration transitioning to moderate potassic/propyllitic alteration which in turn transitions to moderate propyllitic over printed weak argillic alteration with proximity to dyke contact.							
									ARG	2I		
						MD	PK		POT	2I		
						DK	GN		POT	2I		
						LT	WH		PRO	3I		
115.16	116.22	1.06	QFP	FG	Light tan quartz feldspar porphyry dyke with a few small patches of dark purple/red alteration.							
						LT	TN	PO				
						DK	PU					
						DK	RD					
116.22	118.81	2.59	GRD	MG	Moderate phyllic with patchy moderate propyllitic alteration transitioning to potassic overprinted argillic alteration							
									ARG	3I		
						DK	GN		POT	2I		
						MD	GN		PRO	3I		
						LT	GN	PA	PHC	3I		
118.81	209.07	90.26	GRD	MG	Trace to weakly potassic/propyllitic altered granodiorite.							
									POT	2I		
									PRO	2I		
									POT	1I		
						MD	GY		PRO	1I		
209.07	215.45	6.38	GRD	MG	Moderate phyllic altered granodiorite with patchy weak to moderate propyllitic alteration and patchy weak argillic alteration. Hosts multiple quartz/carbonate/sulphide veins and one large western Klaza zone vein.							
						MD	GN		PHC	3I		
						DK	GN		PRO	2I		
						LT	GN		PRO	3I		
						LT	WH		ARG	2I		
215.45	241.57	26.12	GRD	MG	Trace to weakly potassic/propyllitic altered granodiorite.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
									PRO	2I		
									POT	1I		
						MD	GY		PRO	1I		
									POT	2I		
241.57	243.81	2.24	GRD	MG	Two moderate phyllic envelopes with patchy weak propyllitic alteration surrounding two western klaza zone veins. The alteration halos are separated by weak potassic/propyllitic alteration.							
						LT	GN	EN	PHC	3I		
						DK	GN		PRO	2I		
						MD	PK		POT	2I		
						MD	GY					
243.81	288.64	44.83	GRD	MG	Trace to weakly potassic/propyllitic altered granodiorite.							
									POT	2I		
						MD	GY		PRO	1I		
									PRO	2I		
									POT	1I		

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
0.00	2.14	2.14	0	0	0.00	0	--	--	--	Casing/Overburdenl; no recovery.
2.14	5.18	3.04	2.91	96	0.69	23	--	3H	2W	
5.18	8.23	3.05	3.03	99	1.95	64	--	3H	2W	
8.23	11.28	3.05	2.88	94	1.34	44	--	3H	2W	
11.28	14.33	3.05	2.87	94	1.07	35	--	2H	3W	
14.33	17.37	3.04	3.04	100	0.55	18	--	2H	3W	
17.37	20.42	3.05	2.98	98	2.37	78	--	3H	2W	
20.42	23.47	3.05	2.9	95	2.35	77	--	3H	2W	
23.47	26.52	3.05	3.02	99	2.31	76	--	3H	2W	
26.52	29.57	3.05	3	98	1.64	54	--	3H	2W	
29.57	32.61	3.04	3.04	100	2.23	73	--	3H	2W	
32.61	35.66	3.05	3.01	99	2.41	79	--	4H	1W	
35.66	38.71	3.05	2.91	95	2.28	75	--	4H	1W	
38.71	41.76	3.05	2.98	98	2.48	81	--	5H	1W	
41.76	44.81	3.05	3.05	100	1.87	61	--	4H	1W	
44.81	47.85	3.04	2.97	98	1.87	62	--	3H	2W	
47.85	50.90	3.05	2.96	97	2.86	94	--	4H	1W	
50.90	53.95	3.05	3.05	100	2.47	81	--	5H	1W	
53.95	57.00	3.05	2.82	92	2.47	81	--	5H	1W	
57.00	60.05	3.05	2.95	97	2.49	82	--	5H	1W	
60.05	63.09	3.04	2.78	91	2.15	71	--	4H	1W	
63.09	66.14	3.05	3.05	100	2.36	77	--	4H	1W	
66.14	69.19	3.05	3.02	99	2.54	83	--	5H	1W	
69.19	72.24	3.05	2.89	95	2.67	88	--	3H	1W	
72.24	75.29	3.05	3.05	100	1.86	61	--	4H	1W	
75.29	78.33	3.04	2.98	98	2.29	75	--	4H	1W	
78.33	81.38	3.05	2.69	88	1.19	39	--	4H	1W	
81.38	84.43	3.05	3.02	99	2.25	74	--	4H	1W	
84.43	87.48	3.05	2.84	93	1.82	60	--	4H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
87.48	90.53	3.05	3.05	100	2.55	84	--	5H	1W	
90.53	93.57	3.04	3.04	100	2.67	88	--	5H	1W	
93.57	96.62	3.05	2.75	90	1.65	54	--	5H	1W	
96.62	99.67	3.05	2.98	98	1.28	42	--	4H	1W	
99.67	102.72	3.05	2.72	89	1.76	58	--	5H	1W	
102.72	105.76	3.04	2.73	90	2.05	67	--	4H	1W	
105.76	108.81	3.05	2.76	90	1.95	64	--	4H	1W	
108.81	111.86	3.05	3	98	2.32	76	--	4H	1W	
111.86	114.91	3.05	2.97	97	2.65	87	--	4H	1W	
114.91	117.96	3.05	2.85	93	2.14	70	--	3H	1W	
117.96	121.01	3.05	2.95	97	1.42	47	--	3H	1W	
121.01	124.05	3.04	2.23	73	2.10	69	--	4H	1W	
124.05	127.10	3.05	3.05	100	2.30	75	--	4H	1W	
127.10	130.15	3.05	2.96	97	2.57	84	--	4H	1W	
130.15	133.20	3.05	3.05	100	3.02	99	--	5H	1W	
133.20	136.25	3.05	2.83	93	2.20	72	--	5H	1W	
136.25	139.29	3.04	2.86	94	2.11	69	--	5H	1W	
139.29	142.34	3.05	3.05	100	2.59	85	--	4H	1W	
142.34	145.39	3.05	2.76	90	2.17	71	--	5H	1W	
145.39	148.44	3.05	3.05	100	1.76	58	--	4H	1W	
148.44	151.49	3.05	3.03	99	1.53	50	--	4H	1W	
151.49	154.53	3.04	2.83	93	2.44	80	--	5H	1W	
154.53	157.58	3.05	3.05	100	2.14	70	--	3H	1W	
157.58	160.63	3.05	3.05	100	2.19	72	--	5H	1W	
160.63	163.68	3.05	2.89	95	2.52	83	--	4H	1W	
163.68	166.73	3.05	3.05	100	2.12	70	--	4H	1W	
166.73	169.77	3.04	2.89	95	2.62	86	--	4H	1W	
169.77	172.82	3.05	2.83	93	1.51	50	--	3H	1W	
172.82	175.87	3.05	2.6	85	1.44	47	--	3H	1W	
175.87	178.92	3.05	2.95	97	2.40	79	--	4H	1W	
178.92	181.97	3.05	2.87	94	2.68	88	--	4H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
181.97	185.01	3.04	3.04	100	2.41	79	--	4H	1W	
185.01	188.06	3.05	2.95	97	2.45	80	--	4H	1W	
188.06	191.11	3.05	2.92	96	1.82	60	--	3H	1W	
191.11	194.16	3.05	2.87	94	2.49	82	--	3H	1W	
194.16	197.21	3.05	3.04	100	2.53	83	--	4H	1W	
197.21	200.25	3.04	2.86	94	2.60	86	--	3H	1W	
200.25	203.30	3.05	3.05	100	2.72	89	--	5H	1W	
203.30	206.35	3.05	2.93	96	2.59	85	--	5H	1W	
206.35	209.40	3.05	3.05	100	2.86	94	--	4H	1W	
209.40	212.45	3.05	2.97	97	2.25	74	--	4H	1W	
212.45	215.49	3.04	2.98	98	2.74	90	--	3H	1W	
215.49	218.54	3.05	2.93	96	1.55	51	--	4H	1W	
218.54	221.59	3.05	2.72	89	2.05	67	--	3H	1W	
221.59	224.64	3.05	2.89	95	1.29	42	--	4H	1W	
224.64	227.69	3.05	2.81	92	2.40	79	--	3H	1W	
227.69	230.73	3.04	2.91	96	2.42	80	--	5H	1W	
230.73	233.78	3.05	3.01	99	2.22	73	--	4H	1W	
233.78	236.83	3.05	3.05	100	2.94	96	--	4H	1W	
236.83	239.88	3.05	2.54	83	1.71	56	--	4H	1W	
239.88	242.93	3.05	2.53	83	1.68	55	--	4H	1W	
242.93	245.97	3.04	2.93	96	2.53	83	--	4H	1W	
245.97	249.02	3.05	3.05	100	2.98	98	--	5H	1W	
249.02	252.07	3.05	2.74	90	2.08	68	--	5H	1W	
252.07	255.12	3.05	3.05	100	2.67	88	--	5H	1W	
255.12	258.17	3.05	2.84	93	2.73	90	--	5H	1W	
258.17	261.21	3.04	2.88	95	1.83	60	--	4H	1W	
261.21	264.26	3.05	3.05	100	2.62	86	--	5H	1W	
264.26	267.31	3.05	2.96	97	2.74	90	--	5H	1W	
267.31	270.36	3.05	2.95	97	2.54	83	--	4H	1W	
270.36	273.40	3.04	2.9	95	2.23	73	--	4H	1W	
273.40	276.45	3.05	2.96	97	2.70	89	--	3H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
276.45	279.50	3.05	2.9	95	2.63	86	--	4H	1W	
279.50	282.55	3.05	3.05	100	2.44	80	--	3H	1W	
282.55	285.60	3.05	2.81	92	2.66	87	--	4H	1W	
285.60	288.64	3.04	3.04	100	2.81	92	--	4H	1W	EOH

KL-15-251

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
0.00	0.00	0.00	-QC-	0.00	0	R498591	☐	15-026		KL-STD6	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R498611	☐	15-028		KL-STD6	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R498614	☐	15-028			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R498622	☐	15-028			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R498628	☐	15-028		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R499294	☐	15-037	HG 3		☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R498587	☐	15-026			☑	☐	☐
2.53	3.58	1.05	GRD	1.05	100	R498585	☐	15-026			☐	☐	☐
3.58	4.07	0.49	VEN	0.47	96	R498586	☐	15-026			☐	☐	☐
4.07	5.18	1.11	GRD	1.11	100	R498588	☐	15-026			☐	☐	☐
5.18	7.66	2.48	GRD	2.48	100	R498589	☐	15-026			☐	☐	☐
7.66	8.74	1.08	GRD	1.05	97	R498590	☐	15-026			☐	☐	☐
8.74	9.56	0.82	GRD	0.82	100	R498592	☐	15-026			☐	☐	☐
9.56	10.76	1.20	GRD	1.14	95	R498593	☐	15-026			☐	☐	☐
42.04	43.07	1.03	GRD	1.03	100	R498594	☐	15-026			☐	☐	☐
43.07	43.73	0.66	GRD	0.65	98	R498595	☐	15-026			☐	☐	☐
43.73	44.09	0.36	GRD	0.36	100	R498596	☐	15-026			☐	☐	☐
44.09	45.48	1.39	GRD	1.39	100	R498597	☐	15-028			☐	☐	☐
45.48	46.82	1.34	GRD	1.34	100	R498598	☐	15-028			☐	☐	☐
104.34	104.90	0.56	GRD	0.56	100	R498599	☐	15-028			☐	☐	☐
196.32	196.64	0.32	GRD	0.32	100	R498600	☐	15-028			☐	☐	☐
196.64	197.85	1.21	GRD	1.21	100	R498601	☐	15-028			☐	☐	☐
196.64	197.85	1.21	GRD	1.21	100	R498602	☐	15-028			☐	☑	☐
197.85	198.39	0.54	GRD	0.53	98	R498603	☐	15-028			☐	☐	☐
208.18	209.18	1.00	GRD	0.97	97	R498604	☐	15-028			☐	☐	☐
209.18	209.87	0.69	GRD	0.69	100	R498605	☐	15-028			☐	☐	☐
209.87	211.31	1.44	GRD	1.41	98	R498606	☐	15-028			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
211.31	211.79	0.48	GRD	0.48	100	R498607	☐	15-028			☐	☐	☐
211.79	212.09	0.30	GRD	0.30	100	R499290	☐	15-037	HG 3		☐	☐	☐
212.09	212.70	0.61	GRD	0.60	98	R498608	☐	15-028			☐	☐	☐
212.70	213.35	0.65	GRD	0.65	100	R498609	☐	15-028			☐	☐	☐
213.35	213.65	0.30	GRD	0.26	87	R498610	☐	15-028			☐	☐	☐
213.65	214.37	0.72	GRD	0.72	100	R498612	☐	15-028			☐	☐	☐
214.37	214.90	0.53	GRD	0.53	100	R498613	☐	15-028			☐	☐	☐
214.90	215.34	0.44	GRD	0.44	100	R498615	☐	15-028			☐	☐	☐
215.34	217.80	2.46	GRD	2.39	97	R498616	☐	15-028			☐	☐	☐
217.80	220.33	2.53	GRD	2.53	100	R498617	☐	15-028			☐	☐	☐
217.80	220.33	2.53	GRD	2.53	100	R498618	☐	15-028			☐	☐	☑
220.33	222.64	2.31	GRD	2.18	94	R498619	☐	15-028			☐	☐	☐
222.64	224.86	2.22	GRD	2.22	100	R498620	☐	15-028			☐	☐	☐
224.86	225.17	0.31	GRD	0.30	97	R498621	☐	15-028			☐	☐	☐
232.50	233.46	0.96	GRD	0.96	100	R498623	☐	15-028			☐	☐	☐
233.46	234.14	0.68	GRD	0.68	100	R498624	☐	15-028			☐	☐	☐
234.14	235.00	0.86	GRD	0.86	100	R498625	☐	15-028			☐	☐	☐
235.00	235.30	0.30	GRD	0.30	100	R498626	☐	15-028			☐	☐	☐
241.19	241.70	0.51	GRD	0.49	96	R498627	☐	15-028			☐	☐	☐
241.70	242.01	0.31	GRD	0.31	100	R499291	☐	15-037	HG 3		☐	☐	☐
242.01	243.04	1.03	GRD	0.93	90	R498629	☐	15-028			☐	☐	☐
243.04	243.34	0.30	GRD	0.30	100	R499292	☐	15-037	HG 3		☐	☐	☐
243.34	243.83	0.49	GRD	0.49	100	R498630	☐	15-028			☐	☐	☐
272.11	273.12	1.01	GRD	1.00	99	R498631	☐	15-028			☐	☐	☐
273.12	273.68	0.56	GRD	0.56	100	R498632	☐	15-028			☐	☐	☐
273.68	274.00	0.32	GRD	0.32	100	R499293	☐	15-037	HG 3		☐	☐	☐
274.00	275.26	1.26	GRD	1.25	99	R498633	☐	15-032			☐	☐	☐
275.26	275.61	0.35	GRD	0.35	100	R498634	☐	15-032			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
275.61	278.39	2.78	GRD	2.78	100	R498635	☐	15-032			☐	☐	☐
278.39	278.72	0.33	GRD	0.31	94	R498636	☐	15-032			☐	☐	☐
278.72	279.99	1.27	GRD	1.27	100	R498637	☐	15-032			☐	☐	☐
278.72	279.99	1.27	GRD	1.27	100	R498638	☐	15-032			☐	☐	☑
279.99	280.57	0.58	GRD	0.54	93	R498639	☐	15-032			☐	☐	☐

Klaza - Klaza Project

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		382739	6889158	1440.85	303.89

ZONE: Eastern BRX

SECTION: BRX 10+800

HOLE: KL-15-252

CLAIM:

Contractor: Platinum

Drill: 1

Core Size: HQ

Casing Depth: 3.95m, Out

Drilling Dates: Jun 25 - Jun 28, 2015

Geology Logged By: T. Cruz

SURVEY			
Depth (m)	Azimuth	Dip	Method
11.27	34	-49.2	Reflex
300.83	39.2	-49.1	Reflex

TARGET:

SUMMARY			
From (m)	To (m)	Interval (m)	Rock Type
0	3.95	3.95	CAS
3.95	14.1	10.15	QFP
14.1	15.1	1	GRD
15.1	34.63	19.53	QFP
34.63	47.19	12.56	GRD
47.19	75.96	28.77	QFP
75.96	78.51	2.55	GRD
78.51	78.77	0.26	QFP
78.77	85.31	6.54	GRD
85.31	88.3	2.99	GRD
88.3	99.53	11.23	GRD
99.53	102.59	3.06	QFP
102.59	110.2	7.61	GRD
110.2	118.8	8.6	QFP
118.8	128.05	9.25	GRD
128.05	134.51	6.46	QFP

SAMPLES	
Numbers:	R499295 to R499297, R499299, R499302 to R499305, R499859 to R499977
Total:	127
Batch:	030, 031, 033, 035, 037
Certificates:	WH15096137, WH15096138, WH15096144, WH15096152, WH15097593, WH15098454

COMMENTS
Downhole survey started at 987', 10' from EOH

134.51	135.43	0.92	VEN
135.43	138.48	3.05	GRD
138.48	139.93	1.45	QFP
139.93	154.22	14.29	GRD
154.22	158.22	4	GRD
158.22	159.3	1.08	GRD
159.3	166.63	7.33	GRD
166.63	171.5	4.87	GRD
171.5	256.27	84.77	GRD
256.27	272.88	16.61	GRD
272.88	277.83	4.95	GRD
277.83	289.69	11.86	GRD
289.69	294.29	4.6	GRD
294.29	300.22	5.93	GRD
300.22	303.89	3.67	GRD

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
3.95	5.05	1.10	QFP	FG	Light tan quartz feldspar porphyry dyke with intense fracturing and rubble, with moderate clay alteration along surfaces. Pervasive oxide staining. Trace dendritic goetite grows perpendicular from 15% of fractures.							
						MD	BN	RB	CLY	3I		
						LT	TN	FR	OXI	4I	Go	1
5.05	14.10	9.05	QFP	FG	Light tan quartz feldspar porphyry dyke with intense hydrothermal alteration. Primary phenocryst texture is mostly destroyed, except for unaltered quartz phenocrysts. Pervasive moderate-strong oxide staining throughout, with dendritic goethite forming perpendicular to 80% of fractures. Weak clay formation along fractures. Oxide staining becomes semi-pervasive nearing the granodiorite contact.							
						MD	BN		CLY	2I		
						LT	TN	FR	HYD	5I	Go	2
						LT	BN		OXI	4I		
14.10	15.10	1.00	GRD	MG	Narrow interval of phyllic granodiorite with disseminated pyrite in the groundmass. Contacts show semi-pervasive clay alteration and moderate oxide staining. Lower contact is rubbly, with moderate oxide staining and clay alteration.							
						MD	BN		CLY	1I		
						LT	GN		PHC	3I	Py	3
									OXI	2I		
15.10	22.47	7.37	QFP	FG	Light-medium green quartz feldspar porphyry dyke with moderate hydrothermal alteration. Phenocrysts are large and densely packed, with most altered to greenish feldspar and clay. Trace oxide staining on 80% of fractures.							
						MD	GN	PO	HYD	3I		
						LT	GN		OXI	1I		
						LT	BN					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
22.47	28.53	6.06	QFP	FG	Light green quartz feldspar porphyry dyke with strong hydrothermal alteration and medium-fine grained phenocrysts. Trace oxide staining on 50% on fracture surfaces. Cut by a pair of narrow black breccias near the end of the interval.							
						LT	GN	PO	HYD	4I	Py	0.1
						LT	BN		OXI	1I		
28.53	32.60	4.07	QFP	FG	Light green-grey quartz feldspar porphyry dyke with trace pervasive softening/clay alteration, with stronger clay alteration at 31-33m. Clay softened quartz feldspar porphyry dyke surrounds sections of slightly more resistant dyke. Trace oxide staining in some clay.							
						LT	GN	PO	HYD	4I		
						LT	GY		CLY	2I		
						LT	BN		OXI	1I		
32.60	34.63	2.03	QFP	FG	Medium grey-tan quartz feldspar porphyry dyke with moderate hydrothermal alteration. Phenocrysts are altered to a white clay. Weak oxide staining on all fractures.							
						MD	GY	PO	HYD	3I		
						MD	TN	FR	OXI	2I		
						LT	BN					
34.63	37.98	3.35	GRD	MG	Strongly altered granodiorite with pervasive oxide staining, fracturing, and semi-pervasive clay alteration. Base alteration is moderate-weak phyllic accompanied by pervasive silicification, leading to quartz eyes. Cut by mineralized quartz veins.							
						MD	BN	FR	OXI	3I	Py	2
									PHC	3I		
									CLY	2I		
									SIL	1I		
37.98	39.92	1.94	GRD	FG	Phyllic granodiorite cut by quartz veins. These quartz veins are weakly brecciated by short sections of stronger clay alteration that tend to break up veins and granodiorite. Disseminated pyrite in phyllic granodiorite. Weak-moderate pervasive oxide staining.							
						MD	BN		OXI	2I		
						LT	BN	BX	PHC	3I	Py	1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
									CLY	3I		
39.92	44.00	4.08	GRD	MG	Semi pervasive proximal phyllic and distal argillic vein halos with narrow propylitic patches between. One argillic patch is crumbled. Cut by quartz-pyrite veinlets.							
						MD	GN		PRO	1I		
						LT	GN	PA	PHC	3I	Py	2
						LT	WH		ARG	2I		
44.00	44.65	0.65	BXA	FG	Light grey clay matrix clast-supported breccia. Clasts are mineralized white-smoky quartz veins and phyllic granodiorite.							
						LT	GY	BX	CLY	3I	Py	3
									PHC	3I	Py	1
44.65	46.30	1.65	GRD	MG	Strongly phyllic altered granodiorite with weak silicified overprint. Overall, primary textures are obliterated in patches. Cut by quartz-pyrite veinlets. Trace clay and oxide staining on fractures. Quite fractured.							
						LT	GN	RX	PHC	4I	Py	2
						LT	BN	FR	SIL	1I		
									OXI	1I		
									CLY	1I		
46.30	47.19	0.89	VEN	CG	Massive white quartz vein that has undergone intense fracturing. Trace oxide staining on some fractures. Quartz vein hosts blebby pyrite.							
						LT	WH	MA	OXI	1I	Py	2
47.19	48.01	0.82	QFP	MG	Quartz feldspar porphyry dyke cut by quartz-pyrite veins and with semi-pervasive clay alteration. Trace oxide staining.							
						MD	GY	NE	HYD	4I	Py	2
						LT	GY	FR	CLY	3I		
						LT	BN		OXI	1I		
48.01	51.78	3.77	QFP	FG	Light-medium grey strongly hydrothermally altered quartz feldspar porphyry dyke with high phenocryst density. Cut by few narrow quartz-pyrite veinlets. Some clay alteration near said veinlets.							
						MD	GY		CLY	1I		
						LT	GY	PO	HYD	4I	Py	0.1
									OXI	1I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
51.78	53.21	1.43	QFP	FG	Intensely hydrothermally altered quartz feldspar porphyry dyke with very low concentration of phenocrysts. Phenocrysts are small in general, suggestive of a chill zone.							
						MD	TN	PO	HYD	5I		
						LT	TN	RX				
53.21	59.75	6.54	QFP	FG	Light green-medium grey quartz feldspar porphyry dyke with moderate hydrothermal alteration and large amount of remaining primary phenocryst texture. Cut by white calcite veinlets and dark grey quartz-pyrite veinlets/stringers.							
						MD	GY					
						LT	GN	PO	HYD	3I	Py	0.1
59.75	61.30	1.55	QFP	FG	Intensely hydrothermally altered quartz feldspar porphyry dyke with very low concentration of phenocrysts. Phenocrysts are small in general, suggestive of a chill zone.							
						LT	GN	RX	HYD	5I		
								PO				
61.30	64.53	3.23	QFP	FG	Light-medium green-grey quartz feldspar porphyry dyke with strong hydrothermal alteration. Cut by calcite stringers and few discontinuous pyrite stringers.							
						MD	GY	RX				
						LT	GN	PO	HYD	4I	Py	0.1
64.53	65.10	0.57	QFP	FG	Medium-dark olive green quartz feldspar porphyry dyke with massive pyrite veins and polymetallic quartz veinlets. These quartz veinlets host honey brown sphalerite, pyrite, and arsenopyrite. Weak patchy silicification.							
						MD	OL	RX	HYD	4I	Py	3
						DK	OL	PO	SIL	2I	Sp	1
											As	1
65.10	75.96	10.86	QFP	FG	Light tan-grey quartz feldspar porphyry dyke with patches of slight reddish overprint. Pervasive strong hydrothermal alteration and clay alteration along fractures. Cut by calcite veinlets and narrow black breccias.							
						LT	GY	RX				
						LT	TN	PO				

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	RD					
75.96	77.82	1.86	GRD	MG	Moderate phyllic altered granodiorite with moderate silicified overprint. Fractures are weakly oxide stained. This interval is cut by quartz-sulphide veins.							
						MD	GY	FR	PHC	3I	Py	2
						LT	BN		SIL	3I	Gn	0.1
									OXI	2I	As	0.1
77.82	78.51	0.69	GRD	MG	Phyllic granodiorite with moderate pervasive clay alteration.							
						LT	GN		PHC	3I	Py	1
						LT	GY		CLY	3I		
78.51	78.77	0.26	QFP	FG	Light green strongly hydrothermally altered quartz feldspar porphyry dyke.							
						LT	GN	PO	HYD	4I		
								RX				
78.77	85.31	6.54	GRD	MG	Patchy weak-moderate proximal phyllic and distal argillic vein halos with pervasive weak silicification and patches of propylitic. Clay alteration along fractures. Trace oxide staining on 15% of fractures. Cut by quartz-carbonate-pyrite veins and veinlets.							
						MD	GY		SIL	1I		
						MD	GN		PRO	1I		
						LT	GY	PA	ARG	2I	Py	1
						LT	GN	FR	PHC	3I	Py	1
									CLY	2I		
85.31	88.30	2.99	GRD	MG	Moderate-strong pervasively clat altered granodiorite with extreme fracturing and rubble development.							
						LT	GY	RB	CLY	4I		
						LT	GN	FR	PHC	3I		
								PB				
88.30	90.08	1.78	GRD	MG	Fractured and rubbly argillic altered granodiorite with weak clay and patchy weak hematite staining along fractures.							
						LT	WH	RB	ARG	4I		
						LT	RD	FR	HEM	1I		
									CLY	1I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
90.08	99.53	9.45	GRD	MG	Strongly phyllic altered granodiorite with overprinted argillic. Patches of clay alteration present in mainly argillic areas and on fractures. Cut by white-cream carbonate veinlets and mineralized quartz veins/veinlets. Quartz veins tend to host pyrite and some carry honey brown sphalerite.							
						LT	GN	PA	CLY	2I	Py	1
								FR	PHC	4I	Sp	0.1
									ARG	2I		
99.53	102.59	3.06	QFP	FG	Light green strongly hydrothermally altered quartz feldspar porphyry dyke with fine-medium grained phenocrysts. Phenocrysts are a pale green due to alteration. Clay alteration along fractures.							
						LT	GN	PO	HYD	4I		
									CLY	2I		
102.59	110.20	7.61	GRD	MG	Moderate-strong phyllic altered granodiorite with patches of pervasive clay alteration. Clay alteration is also found along fractures. Granodiorite is cut by quartz-carbonate veins that carry pyrite, sphalerite, and some galena.							
						LT	GN	PA	PHC	4I	Py	2
						LT	WH		CLY	3I	Sp	0.5
						LT	GY				Gn	0.1
110.20	118.80	8.60	QFP	FG	Moderate-weak pervasive hydrothermal alteration throughout, leading to higher phenocryst content. Phenocrysts are altered to a dark or light green colour, with only quartz phenocrysts retaining original appearance. Clay alteration is weak along fractures. Contains occasional xenoliths of phyllic granodiorite with disseminated pyrite. Cut by quartz-pyrite stringers and veinlets hosting honey brown sphalerite. These polymetallic stringers/veinlets are most common between 116.5-118.8m.							
						LT	GN	PO	HYD	3I	Py	0.5
						LT	GY		CLY	2I	Sp	0.1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
118.80	128.05	9.25	GRD	MG	(FINISH) Moderate-strong phyllic altered granodiorite with pervasive disseminated pyrite. Cut by calcite veinlets hosting pyrite and honey brown sphalerite until 121m. These veinlets are the same series as those that are found in preceding quartz feldspar porphyry dyke. Also cut by quartz-pyrite veinlets. Patches of argillic alteration are present as distal vein halos, however, these are typically overprinted.							
						LT	GN	PA	PHC	3I	Py	2
						LT	WH		ARG	2I	Py	2
											Sp	1
128.05	134.51	6.46	QFP	FG	Light-medium green hydrothermally altered quartz feldspar porphyry dyke. Phenocrysts are altered to a light green. Weak clay alteration along fractures. This dyke is crosscut by calcite-pyrite-sphalerite veinlets.							
						MD	GN	RX	CLY	1I	Sp	0.1
						LT	GN	PO	HYD	4I	Py	0.1
134.51	135.43	0.92	VEN	MG	BRX Vein: massive white quartz vein hosting massive pyrite. 4cm along top contact is netted by smoky quartz and is host to blebby honey brown sphalerite and galena.							
						MD	BR				Sp	1
						LT	WH	MA			Py	25
											Gn	0.5
135.43	138.48	3.05	GRD	MG	Strongly phyllic altered granodiorite cut by quartz veins/veinlets hosting pyrite +/- honey brown sphalerite. Weak clay alteration along fractures.							
						LT	GN		PHC	4I	Py	5
						LT	GY		CLY	1I		
138.48	139.93	1.45	QFP	FG	Light green/medium tan quartz feldspar porphyry dyke with light reddish patches. Pervasive strong hydrothermal alteration and narrow bands of clay alteration along contact.							
						MD	TN	RX	CLY	1I		
						LT	GN	PO	HYD	4I		
						LT	RD					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
139.93	154.22	14.29	GRD	MG	Wide interval dominated by proximal phyllic and distal argillic vein halos with intermedtiate patches of propylitic/silicic alteration. Trace potassic alteration can be found overprinting argillic and propylitic alterations. Cut by frequent quartz-pyrite veinlets and rare veins.							
						MD	GN		POT	1I		
						LT	GN	PA	PHC	3I	Py	2
						LT	WH		ARG	2I	Py	3
						LT	PK		PRO	2I		
									SIL	1I		
154.22	158.22	4.00	GRD	MG	Granodiorite with pervasive weak propylitic alteration and proximal phyllic and distal argillic halos on few crosscutting veins. Propylitic-associated chlorite is patchy. Cut by few discontinuous pyrite stringers.							
						MD	GN		PRO	3I	Py	0.1
						LT	GN		PHC	1I		
									ARG	1I		
158.22	159.30	1.08	GRD	MG	Wide proximal phyllic and distal argillic halo on a massive pyrite vein.							
						LT	GN		PHC	3I	Py	10
									ARG	2I		
159.30	166.63	7.33	GRD	MG	Interval dominated by propylitic alteration with proximal phyllic and distal argillic on few pyrite-bearing veins. Argillic altered patches can be crumbled.							
						MD	GN	PA	PRO	3I	Py	0.1
						MD	GY		PHC	2I		
						LT	GN		ARG	2I		
166.63	171.50	4.87	GRD	MG	Moderate-strongly phyllic altered granodiorite with overprinted patches of argillic. Cut by quartz-pyrite veins and veinlets. Pervasive disseminated pyrite in groundmass.							
						LT	GN		PHC	4I	Py	5
									ARG	2I		
									CLY	1I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
171.50	176.03	4.53	GRD	MG	Relatively fresh granodiorite with patchy weak propylitic and potassic. Cut by occasional quartz-pyrite veins with narrow proximal phyllic and distal argillic halos. These veins are typically far apart from each other, but occasionally, they are close enough for their halos to coalesce.							
						MD	GY	PA	PRO	2I	Py	0.1
						MD	GN		POT	1I		
						LT	GN		ARG	1I		
						LT	PK		PHC	2I		
176.03	177.09	1.06	GRD	MG	Wide proximal phyllic and distal argillic halo on a quartz vein. Argillic is dominant.							
						LT	GN		ARG	3I	Py	0.1
									PHC	2I		
177.09	195.64	18.55	GRD	MG	Relatively fresh granodiorite with patchy weak propylitic and potassic. Cut by occasional quartz-pyrite veins with narrow proximal phyllic and distal argillic halos. These veins are typically far apart from each other, but occasionally, they are close enough for their halos to coalesce.							
						MD	GY	PA	PRO	2I	Py	0.1
						MD	GN		POT	1I		
						LT	PK		PHC	1I		
						LT	GN		ARG	1I		
195.64	199.33	3.69	GRD	MG	Several proximal phyllic and distal argillic halos on quartz-pyrite veins coalesce into a wider halo. Trace disseminated pyrite in phyllic halos. Some patches of propylitic-potassic granodiorite between vein halos.							
						MD	GY		PRO	1I	Py	3
						LT	GN	PA	PHC	3I	Py	2
						LT	PK		POT	1I		
199.33	206.11	6.78	GRD	MG	Relatively fresh granodiorite with patchy weak propylitic and potassic. Cut by occasional quartz-pyrite veins with narrow proximal phyllic and distal argillic halos. These veins are typically far apart from each other, but occasionally, they are close enough for their halos to coalesce.							
						MD	GN		ARG	1I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GY		PHC	1I		
						LT	GN	PA	PRO	2I	Py	0.1
						LT	PK		POT	1I		
206.11	207.97	1.86	GRD	MG	Proximal phyllic and distal argillic halo on 3 wider quartz-carbonate-sulphide veins. One vein contains substantial banded-crustiform rhodochrosite. Trace potassic overprints argillic.							
						LT	WH		ARG	3I		
						LT	PK		POT	1I		
						LT	GN		PHC	3I	Py	3
207.97	220.32	12.35	GRD	MG	Relatively fresh granodiorite with patchy weak propylitic and potassic. Cut by occasional quartz-pyrite veins with narrow proximal phyllic and distal argillic halos. These veins are typically far apart from each other, but occasionally, they are close enough for their halos to coalesce.m							
						MD	GN	PA	PRO	2I		
						MD	GY		PHC	1I		
						LT	PK		POT	1I		
						LT	GN		ARG	1I		
220.32	224.42	4.10	GRD	MG	Overlapping proximal phyllic and distal argillic halos on quartz-carbonate-pyrite veins.							
						LT	GN	PA	PHC	3I	Py	0.1
						LT	WH		ARG	3I		
						LT	PK		POT	1I		
									CLY	1I		
224.42	227.60	3.18	GRD	MG	Granodiorite with moderate-weak propylitic and weak potassic alteration.							
						MD	GN		PRO	2I		
						LT	PK		POT	1I		
227.60	230.38	2.78	GRD	MG	Proximal phyllic and distal argillic vein halo on quartz-pyrite veinlets and an altered aplite dyke. Upper argillic section is crumbled.							
						LT	GN		PHC	2I		
						LT	WH		ARG	4I		
						LT	PK		POT	1I		
230.38	256.27	25.89	GRD	MG	Granodiorite with patchy weak propylitic and potassic.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GY	PA	PRO	2I		
						MD	GN		POT	1I		
						LT	PK					
256.27	265.39	9.12	GRD	MG	Wide proximal phyllic and distal argillic vein halos with short patches of propylitic and potassic altered granodiorite. Veins are quartz-pyrite.							
						MD	GN		PHC	3I		
						LT	GN	PA	PRO	1I	Py	2
						LT	WH		POT	1I		
						LT	PK		ARG	3I		
265.39	272.88	7.49	GRD	MG	Section of propylitic and trace potassic granodiorite with patches of proximal phyllic and distal argillic vein halos.							
						MD	GN	PA	PRO	2I	Py	1
						LT	PK		POT	1I		
						LT	GN		PHC	2I		
									ARG	1I		
272.88	277.83	4.95	GRD	MG	Proximal phyllic and distal argillic vein halos with patchy potassic alteration. This interval is dominated by argillic alteration. Cut by quartz-carbonate veins with pyrite.							
						LT	GN		ARG	4I	Py	0.1
						LT	WH		PHC	2I		
						LT	PK		POT	1I		
277.83	289.69	11.86	GRD	MG	Granodiorite with pervasive moderate propylitic alteration and patchy trace potassic.							
						MD	GY	PA	PRO	3I		
						MD	GN		POT	1I		
						LT	PK					
289.69	294.29	4.60	GRD	MG	Proximal phyllic and distal argillic halos on mineralized veins, including 3 significant polymetallic veins. Some patches of propylitic altered granodiorite are found between vein halos. Trace disseminated pyrite in phyllic halos.							
						MD	GN		PRO	1I		
						LT	GN	PA	PHC	3I	Py	1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	WH		ARG	2I	Py	2
294.29	300.22	5.93	GRD	MG	Granodiorite with weak propylitic and patchy trace potassic alteration.							
						MD	GY		PRO	2I		
						MD	GN		POT	1I		
						LT	PK					
300.22	303.89	3.67	GRD	MG	Proximal phyllic and distal argillic halos on mineralized veins. Some patches of propylitic altered granodiorite are found between vein halos. Trace disseminated pyrite in phyllic halos.							
						MD	GY		ARG	2I		
						LT	GN	PA	PHC	3I	Py	1
						LT	WH		POT	1I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
3.95	14.10	10.15	QFP	FG	Interval of quartz feldspar porphyry dyke with intense pervasive hydrothermal alteration, which cycles from moderate-strong-intense throughout the interval. Exhibits pervasive oxide staining, with some dendritic goetite development along fractures. Clay alteration is weak. Dyke groundmass is light tan-green.							
						LT	TN	PA	OXI	3I	Go	0.1
						MD	TN	PO	HYD	5I	Py	0.1
						LT	BN	RB	CLY	1I		
						MD	BN	FR				
14.10	15.10	1.00	GRD	MG	Narrow interval of phyllic granodiorite with disseminated pyrite in the groundmass. Contacts show semi-pervasive clay alteration and moderate oxide staining. Lower contact is rubbly, with moderate oxide staining and clay alteration.							
									OXI	2I		
						LT	GN		PHC	3I	Py	3
						MD	BN		CLY	1I		
15.10	34.63	19.53	QFP	FG	Highly variable quartz feldspar porphyry dyke with pervasive moderate-strong-intense hydrothermal alteration. Dyke groundmass colour can be tan, brown, dark green, light green, with variably sized phenocrysts. Phenocrysts are better preserved where hydrothermal alteration is weaker, and in areas of intense hydrothermal processes, phenocrysts are nearly absent. This quartz feldspar porphyry dyke shows mineralization at 28-32m.							
									SIL	1I		
34.63	47.19	12.56	GRD	MG	Strongly altered granodiorite with pervasive oxide staining, fracturing, and semi-pervasive clay alteration. Base alteration is moderate-weak phyllic, with mineralization at 36-41m accompanied by pervasive silicification, leading to quartz eyes. Cut by mineralized quartz veins. Short brecciated sections of vein and granodiorite clasts hosted in clays.							
									PHC	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	BN	FR	OXI	3I	Py	2
									CLY	2I		
									SIL	1I		
47.19	75.96	28.77	QFP	FG	Light-medium tan-grey hydrothermally altered quartz feldspar porphyry dyke. Some mineralized veinlets crosscut the dyke, most of which are quartz-pyrite.							
						LT	TN		OXI	1I		
						MD	GY		CLY	1I		
						MD	TN					
						LT	GY	PO	HYD	4I	Py	0.1
75.96	78.51	2.55	GRD	MG	Moderate phyllic altered granodiorite with moderate silicified overprint. Fractures are weakly oxide stained. This interval is cut by quartz-sulphide veins. Final metre is pervasively clay altered.							
									CLY	2I		
									OXI	2I	As	0.1
						LT	BN		SIL	3I	Gn	0.1
						MD	GY	FR	PHC	3I	Py	2
78.51	78.77	0.26	QFP	FG	Light green strongly hydrothermally altered quartz feldspar porphyry dyke.							
								RX				
						LT	GN	PO	HYD	4I		
78.77	85.31	6.54	GRD	MG	Patchy weak-moderate proximal phyllic and distal argillic vein halos with pervasive weak silicification and patches of propylitic. Clay alteration along fractures. Trace oxide staining on 15% of fractures. Cut by quartz-carbonate-pyrite veins and veinlets.							
						MD	GN		PRO	1I		
									CLY	2I		
						LT	GN	FR	PHC	3I	Py	1
						LT	GY	PA	ARG	2I	Py	1
						MD	GY		SIL	1I		
85.31	88.30	2.99	GRD	MG	Moderate-strong pervasively clat altered granodiorite with extreme fracturing and rubble development.							
								PB				

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	GN	FR	PHC	3I		
						LT	GY	RB	CLY	4I		
88.30	99.53	11.23	GRD	MG	Strongly phyllic altered granodiorite with overprinted argillic. Patches of clay alteration present in mainly argillic areas and on fractures. Cut by white-cream carbonate veinlets and mineralized quartz veins/veinlets. Quartz veins tend to host pyrite and some carry honey brown sphalerite.							
									ARG	2I		
								FR	PHC	4I	Sp	0.1
						LT	GN	PA	CLY	2I	Py	1
99.53	102.59	3.06	QFP	FG	Light green strongly hydrothermally altered quartz feldspar porphyry dyke with fine-medium grained phenocrysts. Phenocrysts are a pale green due to alteration. Clay alteration along fractures.							
									CLY	2I		
						LT	GN	PO	HYD	4I		
102.59	110.20	7.61	GRD	MG	Moderate-strong phyllic altered granodiorite with patches of pervasive clay alteration. Clay alteration is also found along fractures. Granodiorite is cut by quartz-carbonate veins that carry pyrite, sphalerite, and some galena.							
						LT	GY				Gn	0.1
						LT	WH		CLY	3I	Sp	0.5
						LT	GN	PA	PHC	4I	Py	2
110.20	118.80	8.60	QFP	FG	Moderate-weak pervasive hydrothermal alteration throughout, leading to higher phenocryst content. Phenocrysts are altered to a dark or light green colour, with only quartz phenocrysts retaining original appearance. Clay alteration is weak along fractures. Contains occasional xenoliths of phyllic granodiorite with disseminated pyrite. Cut by quartz-pyrite stringers and veinlets hosting honey brown sphalerite. These polymetallic stringers/veinlets are most common between 116.5-118.8m.							
						LT	GN	PO	HYD	3I	Py	0.5
						LT	GY		CLY	2I	Sp	0.1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
118.80	128.05	9.25	GRD	MG	Moderate-strong phyllic altered granodiorite with pervasive disseminated pyrite. Cut by calcite veinlets hosting pyrite and honey brown sphalerite until 121m. These veinlets are the same series as those that are found in preceding quartz feldspar porphyry dyke. Also cut by quartz-pyrite veinlets. Patches of argillic alteration are present as distal vein halos, however, these are typically overprinted.							
						LT	GN	PA	PHC	3I	Sp	1
						LT	WH		ARG	2I	Py	2
											Py	2
128.05	134.51	6.46	QFP	FG	Light-medium green hydrothermally altered quartz feldspar porphyry dyke. Phenocrysts are altered to a light green. Weak clay alteration along fractures. This dyke is crosscut by calcite-pyrite-sphalerite veinlets.							
						LT	GN	PO	HYD	4I	Py	0.1
						MD	GN	RX	CLY	1I	Sp	0.1
134.51	135.43	0.92	VEN	MG	BRX Vein: massive white quartz vein hosting massive pyrite. 4cm along top contact is netted by smoky quartz and is host to blebby honey brown sphalerite and galena. Clay alteration along outer edges of interval.							
						LT	WH	MA			Py	25
						MD	BR				Sp	1
											Gn	0.5
135.43	138.48	3.05	GRD	MG	Strongly phyllic altered granodiorite cut by quartz veins/veinlets hosting pyrite +/- honey brown sphalerite. Weak clay alteration along fractures.							
						LT	GN		PHC	4I	Py	5
						LT	GY		CLY	1I		
138.48	139.93	1.45	QFP	FG	Light green/medium tan quartz feldspar porphyry dyke with light reddish patches. Pervasive strong hydrothermal alteration and narrow bands of clay alteration along contact.							
						LT	GN	PO	HYD	4I		
						MD	TN	RX	CLY	1I		
						LT	RD					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
139.93	154.22	14.29	GRD	MG	Wide interval dominated by proximal phyllic and distal argillic vein halos with intermedtiate patches of propylitic/silicic alteration. Trace potassic alteration can be found overprinting argillic and propylitic alterations. Cut by frequent quartz-pyrite veinlets and rare veins.							
						MD	GN		POT	1I		
						LT	GN	PA	PHC	3I	Py	2
						LT	PK		PRO	2I		
									SIL	1I		
						LT	WH		ARG	2I	Py	3
154.22	158.22	4.00	GRD	MG	Granodiorite with pervasive weak propylitic alteration and proximal phyllic and distal argillic halos on few crosscutting veins. Propylitic-associated chlorite is patchy. Cut by few discontinuous pyrite stringers.							
									ARG	1I		
						LT	GN		PHC	1I		
						MD	GN		PRO	3I	Py	0.1
158.22	159.30	1.08	GRD	MG	Wide proximal phyllic and distal argillic halo on a massive pyrite vein.							
									ARG	2I		
						LT	GN		PHC	3I	Py	10
159.30	166.63	7.33	GRD	MG	Interval dominated by propylitic alteration with proximal phyllic and distal argillic on few pyrite-bearing veins. Argillic altered patches can be crumbled.							
						MD	GN	PA	PRO	3I	Py	0.1
						MD	GY		PHC	2I		
						LT	GN		ARG	2I		
166.63	171.50	4.87	GRD	MG	Moderate-strongly phyllic altered granodiorite with overprinted patches of argillic. Cut by quartz-pyrite veins and veinlets. Pervasive disseminated pyrite in groundmass.							
									CLY	1I		
									ARG	2I		
						LT	GN		PHC	4I	Py	5

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
171.50	256.27	84.77	GRD	MG	Relatively fresh granodiorite with patchy weak propylitic and potassic. Cut by occasional quartz-pyrite veins with narrow proximal phyllic and distal argillic halos. These veins are typically far apart from each other, but occasionally, they are close enough for their halos to coalesce.							
						LT	PK		PHC	2I		
						MD	GY	PA	PRO	2I	Py	0.1
						LT	GN		ARG	1I		
						MD	GN		POT	1I		
256.27	272.88	16.61	GRD	MG	Wide proximal phyllic and distal argillic vein halos with short patches of propylitic and potassic altered granodiorite. Veins are quartz-pyrite.							
						LT	GN	PA	PRO	1I	Py	2
						MD	GN		PHC	3I		
						LT	PK		ARG	3I		
						LT	WH		POT	1I		
272.88	277.83	4.95	GRD	MG	Proximal phyllic and distal argillic vein halos with patchy potassic alteration. This interval is dominated by argillic alteration. Cut by quartz-carbonate veins with pyrite.							
						LT	GN		ARG	4I	Py	0.1
						LT	WH		PHC	2I		
						LT	PK		POT	1I		
277.83	289.69	11.86	GRD	MG	Granodiorite with pervasive moderate propylitic alteration and patchy trace potassic.							
						MD	GN		POT	1I		
						LT	PK					
						MD	GY	PA	PRO	3I		
289.69	294.29	4.60	GRD	MG	Proximal phyllic and distal argillic halos on mineralized veins, including 2 significant polymetallic veins. Some patches of propylitic altered granodiorite are found between vein halos. Trace disseminated pyrite in phyllic halos.							
						LT	GN	PA	PHC	3I	Py	1
						LT	WH		ARG	2I	Py	2

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GN		PRO	1I		
294.29	300.22	5.93	GRD	MG	Granodiorite with weak propylitic and patchy trace potassic alteration.							
						MD	GN		POT	1I		
						LT	PK					
						MD	GY		PRO	2I		
300.22	303.89	3.67	GRD	MG	Proximal phyllic and distal argillic halos on mineralized veins. Some patches of propylitic altered granodiorite are found between vein halos. Trace disseminated pyrite in phyllic halos.							
						LT	WH		POT	1I		
						MD	GY		ARG	2I		
						LT	GN	PA	PHC	3I	Py	1

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
0.00	3.95	3.95	0	0	0.00	0	--	--	--	Casing/Overburden; no recovery.
3.95	5.18	1.23	1.23	100	0.00	0	--	3H	2W	
5.18	8.23	3.05	2.93	96	0.36	12	--	3H	2W	
8.23	11.28	3.05	2.97	97	1.18	39	--	3H	2W	
11.28	14.33	3.05	2.89	95	1.32	43	--	3H	2W	
14.33	17.37	3.04	3.03	100	1.64	54	--	4H	2W	
17.37	20.42	3.05	3.04	100	2.06	68	--	4H	1W	
20.42	23.47	3.05	3.03	99	2.12	70	--	4H	1W	
23.47	26.52	3.05	3.03	99	1.78	58	--	4H	1W	
26.52	29.57	3.05	3.01	99	1.48	49	--	4H	1W	
29.57	32.61	3.04	3.01	99	1.63	54	--	3H	1W	
32.61	35.66	3.05	2.97	97	1.17	38	--	3H	1W	
35.66	38.71	3.05	2.86	94	0.77	25	--	3H	2W	
38.71	41.76	3.05	2.72	89	1.49	49	--	3H	1W	
41.76	44.81	3.05	2.63	86	1.51	50	--	3H	1W	
44.81	47.85	3.04	2.06	68	0.17	6	--	3H	1W	
47.85	50.90	3.05	2.13	70	0.74	24	--	3H	1W	
50.90	53.95	3.05	2.71	89	1.09	36	--	3H	1W	
53.95	57.00	3.05	2.89	95	2.13	70	--	3H	1W	
57.00	60.05	3.05	3.03	99	1.68	55	--	3H	1W	
60.05	63.09	3.04	2.98	98	1.60	53	--	3H	1W	
63.09	66.14	3.05	3.01	99	1.20	39	--	3H	1W	
66.14	69.19	3.05	3.05	100	2.15	70	--	3H	1W	
69.19	72.24	3.05	3.05	100	1.56	51	--	3H	1W	
72.24	75.29	3.05	2.9	95	2.01	66	--	3H	1W	
75.29	78.33	3.04	2.85	94	1.02	34	--	3H	1W	
78.33	81.38	3.05	3.01	99	1.13	37	--	3H	1W	
81.38	84.43	3.05	2.99	98	0.25	8	--	3H	1W	
84.43	87.48	3.05	2.91	95	0.42	14	--	3H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
87.48	90.53	3.05	1.55	51	0.20	7	--	3H	1W	
90.53	93.57	3.04	2.71	89	1.50	49	--	3H	1W	
93.57	96.62	3.05	2.21	72	0.99	32	--	2H	1W	
96.62	99.67	3.05	2.4	79	1.03	34	--	3H	1W	
99.67	102.72	3.05	2.81	92	1.34	44	--	3H	1W	
102.72	105.77	3.05	2.85	93	2.44	80	--	3H	1W	
105.77	108.81	3.04	2.97	98	1.57	52	--	3H	1W	
108.81	111.86	3.05	2.7	89	1.68	55	--	3H	1W	
111.86	114.91	3.05	3	98	1.91	63	--	3H	1W	
114.91	117.96	3.05	2.88	94	1.20	39	--	3H	1W	
117.96	121.01	3.05	2.93	96	2.73	90	--	3H	1W	
121.01	124.05	3.04	2.95	97	2.31	76	--	4H	1W	
124.05	127.10	3.05	2.6	85	1.52	50	--	3H	1W	
127.10	130.15	3.05	2.55	84	1.12	37	--	3H	1W	
130.15	133.20	3.05	2.79	91	1.17	38	--	3H	1W	
133.20	136.24	3.04	3.04	100	2.64	87	--	4H	1W	
136.24	139.29	3.05	2.92	96	2.07	68	--	3H	1W	
139.29	142.34	3.05	3.03	99	2.78	91	--	3H	1W	
142.34	145.39	3.05	2.84	93	2.60	85	--	3H	1W	
145.39	148.44	3.05	3.05	100	2.16	71	--	4H	1W	
148.44	151.49	3.05	2.94	96	2.67	88	--	3H	1W	
151.49	154.53	3.04	3.04	100	2.23	73	--	4H	1W	
154.53	157.58	3.05	2.85	93	1.85	61	--	4H	1W	
157.58	160.63	3.05	2.85	93	2.45	80	--	4H	1W	
160.63	163.68	3.05	2.52	83	1.77	58	--	4H	1W	
163.68	166.73	3.05	2.96	97	2.69	88	--	4H	1W	
166.73	169.77	3.04	3.03	100	1.86	61	--	3H	1W	
169.77	172.82	3.05	2.9	95	1.50	49	--	4H	1W	
172.82	175.87	3.05	2.8	92	1.46	48	--	4H	1W	
175.87	178.92	3.05	3.05	100	2.08	68	--	3H	1W	
178.92	181.97	3.05	3.01	99	2.87	94	--	4H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
181.97	185.01	3.04	2.94	97	1.34	44	--	4H	1W	
185.01	188.06	3.05	2.97	97	1.34	44	--	3H	1W	
188.06	191.11	3.05	3.05	100	2.39	78	--	5H	1W	
191.11	194.16	3.05	2.84	93	2.02	66	--	5H	1W	
194.16	197.21	3.05	3.05	100	2.85	93	--	4H	1W	
197.21	200.25	3.04	2.98	98	2.18	72	--	4H	1W	
200.25	203.30	3.05	3	98	1.81	59	--	4H	1W	
203.30	206.35	3.05	2.91	95	0.82	27	--	4H	1W	
206.35	209.40	3.05	3.02	99	2.03	67	--	4H	1W	
209.40	212.45	3.05	2.99	98	1.74	57	--	4H	1W	
212.45	215.49	3.04	2.97	98	2.56	84	--	4H	1W	
215.49	218.54	3.05	3.03	99	2.65	87	--	4H	1W	
218.54	221.59	3.05	2.78	91	1.69	55	--	3H	1W	
221.59	224.64	3.05	2.96	97	1.14	37	--	3H	1W	
224.64	227.69	3.05	2.6	85	1.46	48	--	4H	1W	
227.69	230.73	3.04	2.44	80	2.25	74	--	4H	1W	
230.73	233.78	3.05	2.98	98	2.49	82	--	5H	1W	
233.78	236.83	3.05	3.02	99	2.83	93	--	5H	1W	
236.83	239.88	3.05	3.05	100	3.05	100	--	5H	1W	
239.88	242.93	3.05	3.03	99	3.01	99	--	5H	1W	
242.93	245.97	3.04	2.89	95	2.25	74	--	4H	1W	
245.97	249.02	3.05	3.05	100	2.90	95	--	4H	1W	
249.02	252.07	3.05	2.78	91	2.32	76	--	4H	1W	
252.07	255.12	3.05	1.66	54	1.24	41	--	4H	1W	
255.12	258.17	3.05	3.05	100	2.48	81	--	3H	1W	
258.17	261.21	3.04	3	99	2.73	90	--	4H	1W	
261.21	264.26	3.05	2.88	94	2.37	78	--	3H	1W	
264.26	267.31	3.05	3.04	100	3.04	100	--	4H	1W	
267.31	270.36	3.05	2.95	97	2.87	94	--	3H	1W	
270.36	273.41	3.05	3.03	99	2.99	98	--	3H	1W	
273.41	276.45	3.04	2.74	90	1.87	62	--	3H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
276.45	279.50	3.05	2.84	93	2.08	68	--	3H	1W	
279.50	282.55	3.05	3.05	100	2.40	79	--	4H	1W	
282.55	285.60	3.05	2.96	97	2.14	70	--	4H	1W	
285.60	288.65	3.05	3	98	2.67	88	--	4H	1W	
288.65	291.69	3.04	3.04	100	2.30	76	--	4H	1W	
291.69	294.74	3.05	3.03	99	2.93	96	--	4H	1W	
294.74	297.79	3.05	3.01	99	2.93	96	--	5H	1W	
297.79	300.84	3.05	3.03	99	3.03	99	--	4H	1W	
300.84	303.89	3.05	2.59	85	1.79	59	--	4H	1W	EOH

KL-15-252

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
0.00	0.00	0.00	-QC-	0.00	0	R499865	☐	15-030		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R499884	☐	15-031		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R499891	☐	15-031			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R499901	☐	15-031		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R499910	☐	15-031			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R499917	☐	15-033		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R499934	☐	15-033		KL-STD6	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R499940	☐	15-033			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R499947	☐	15-033			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R499949	☐	15-035		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R499952	☐	15-035			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R499967	☐	15-035			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R499975	☐	15-035		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R499862	☐	15-030			☑	☐	☐
34.53	35.66	1.13	QFP	1.11	98	R499859	☐	15-030			☐	☐	☐
35.66	37.59	1.93	GRD	1.71	89	R499860	☐	15-030			☐	☐	☐
37.59	37.98	0.39	GRD	0.39	100	R499861	☐	15-030			☐	☐	☐
37.98	39.92	1.94	GRD	1.83	94	R499863	☐	15-030			☐	☐	☐
39.92	41.76	1.84	GRD	1.83	99	R499864	☐	15-030			☐	☐	☐
41.76	44.00	2.24	GRD	1.95	87	R499866	☐	15-030			☐	☐	☐
44.00	44.65	0.65	GRD	0.65	100	R499867	☐	15-030			☐	☐	☐
44.65	46.30	1.65	GRD	1.55	94	R499868	☐	15-030			☐	☐	☐
46.30	47.19	0.89	GRD	0.51	57	R499869	☐	15-030			☐	☐	☐
47.19	48.01	0.82	QFP, GRD	0.77	94	R499870	☐	15-030			☐	☐	☐
48.01	50.37	2.36	QFP	1.94	82	R499871	☐	15-030			☐	☐	☐
48.01	50.37	2.36	QFP	1.94	82	R499872	☐	15-030			☐	☐	☑

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
50.37	51.78	1.41	QFP	1.36	96	R499873	☐	15-030			☐	☐	☐
74.71	75.96	1.25	QFP	1.20	96	R499874	☐	15-030			☐	☐	☐
75.96	76.75	0.79	QFP, GRD	0.79	100	R499875	☐	15-030			☐	☐	☐
76.75	77.82	1.07	GRD	0.84	79	R499876	☐	15-030			☐	☐	☐
77.82	78.77	0.95	GRD	0.91	96	R499877	☐	15-031			☐	☐	☐
78.77	81.38	2.61	GRD, QFP	2.27	87	R499878	☐	15-031			☐	☐	☐
81.38	84.43	3.05	GRD	2.35	77	R499879	☐	15-031			☐	☐	☐
81.38	84.43	3.05	GRD	2.35	77	R499880	☐	15-031			☐	☐	☑
84.43	85.31	0.88	GRD	0.87	99	R499881	☐	15-031			☐	☐	☐
85.31	86.25	0.94	GRD, GRD	0.92	98	R499882	☐	15-031			☐	☐	☐
86.25	88.00	1.75	GRD	1.40	80	R499906	☐	15-031			☐	☐	☐
90.38	91.38	1.00	GRD	0.92	92	R499883	☐	15-031			☐	☐	☐
91.38	92.55	1.17	GRD	1.02	87	R499885	☐	15-031			☐	☐	☐
92.55	93.57	1.02	GRD	1.00	98	R499886	☐	15-031			☐	☐	☐
93.57	95.65	2.08	GRD	2.08	100	R499887	☐	15-031			☐	☐	☐
95.65	96.62	0.97	GRD	0.75	77	R499888	☐	15-031			☐	☐	☐
102.59	103.37	0.78	QFP, GRD	0.77	99	R499889	☐	15-031			☐	☐	☐
103.37	104.97	1.60	GRD	1.51	94	R499890	☐	15-031			☐	☐	☐
104.97	106.09	1.12	GRD	1.09	97	R499892	☐	15-031			☐	☐	☐
106.09	107.34	1.25	GRD	1.24	99	R499893	☐	15-031			☐	☐	☐
107.34	108.63	1.29	GRD	1.24	96	R499894	☐	15-031			☐	☐	☐
108.63	109.86	1.23	GRD	0.94	76	R499895	☐	15-031			☐	☐	☐
109.86	110.20	0.34	GRD	0.34	100	R499896	☐	15-031			☐	☐	☐
110.20	111.37	1.17	QFP, GRD	1.17	100	R499897	☐	15-031			☐	☐	☐
110.20	111.37	1.17	QFP, GRD	1.17	100	R499898	☐	15-031			☐	☑	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
111.37	113.53	2.16	QFP	1.99	92	R499899	☐	15-031			☐	☐	☐
113.53	113.87	0.34	QFP	0.34	100	R499900	☐	15-031			☐	☐	☐
113.87	116.24	2.37	QFP	2.26	95	R499902	☐	15-031			☐	☐	☐
116.24	117.23	0.99	QFP	0.92	93	R499903	☐	15-031			☐	☐	☐
117.23	119.03	1.80	QFP	1.66	92	R499904	☐	15-031			☐	☐	☐
119.03	121.10	2.07	GRD	2.04	99	R499905	☐	15-031			☐	☐	☐
121.10	124.05	2.95	GRD	2.86	97	R499907	☐	15-031			☐	☐	☐
124.05	125.76	1.71	GRD	1.52	89	R499908	☐	15-031			☐	☐	☐
125.76	128.05	2.29	GRD	2.01	88	R499909	☐	15-031			☐	☐	☐
128.05	130.15	2.10	GRD, QFP	1.89	90	R499911	☐	15-031			☐	☐	☐
130.15	132.71	2.56	QFP	2.39	93	R499912	☐	15-031			☐	☐	☐
132.71	133.05	0.34	QFP	0.34	100	R499913	☐	15-033			☐	☐	☐
133.05	134.51	1.46	QFP	1.45	99	R499914	☐	15-033			☐	☐	☐
134.51	135.53	1.02	VEN, QFP	1.02	100	R499295	☐	15-037	HG 3		☐	☐	☐
135.53	136.24	0.71	GRD	0.71	100	R499915	☐	15-033			☐	☐	☐
136.24	137.52	1.28	GRD	1.25	98	R499296	☐	15-037	HG 3		☐	☐	☐
136.24	137.52	1.28	GRD	1.25	98	R499297	☐	15-037	HG 3		☐	☐	☑
137.52	138.48	0.96	GRD	0.94	98	R499916	☐	15-033			☐	☐	☐
138.48	139.93	1.45	GRD, QFP	1.42	98	R499918	☐	15-033			☐	☐	☐
139.93	141.40	1.47	QFP, GRD	1.44	98	R499919	☐	15-033			☐	☐	☐
141.40	143.36	1.96	GRD	1.80	92	R499920	☐	15-033			☐	☐	☐
141.40	143.36	1.96	GRD	1.80	92	R499921	☐	15-033			☐	☑	☐
143.36	144.00	0.64	GRD	0.63	98	R499922	☐	15-033			☐	☐	☐
144.00	145.16	1.16	GRD	1.08	93	R499923	☐	15-033			☐	☐	☐
145.16	146.26	1.10	GRD	1.01	92	R499924	☐	15-033			☐	☐	☐
146.26	147.35	1.09	GRD	1.09	100	R499925	☐	15-033			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
146.26	147.35	1.09	GRD	1.09	100	R499926	☐	15-033			☐	☐	☑
147.35	148.14	0.79	GRD	0.79	100	R499927	☐	15-033			☐	☐	☐
148.14	149.36	1.22	GRD	1.20	98	R499928	☐	15-033			☐	☐	☐
149.36	149.67	0.31	GRD	0.30	97	R499929	☐	15-033			☐	☐	☐
149.67	151.10	1.43	GRD	1.37	96	R499930	☐	15-033			☐	☐	☐
151.10	152.24	1.14	GRD	1.14	100	R499931	☐	15-033			☐	☐	☐
158.22	158.74	0.52	GRD, GRD	0.52	100	R499932	☐	15-033			☐	☐	☐
158.74	159.04	0.30	GRD	0.30	100	R499299	☐	15-037	HG 3		☐	☐	☐
159.04	160.17	1.13	GRD	1.04	92	R499933	☐	15-033			☐	☐	☐
160.17	161.11	0.94	GRD	0.90	96	R499935	☐	15-033			☐	☐	☐
164.40	166.85	2.45	GRD	2.36	96	R499936	☐	15-033			☐	☐	☐
166.85	167.45	0.60	GRD	0.60	100	R499937	☐	15-033			☐	☐	☐
167.45	169.77	2.32	GRD	2.07	89	R499938	☐	15-033			☐	☐	☐
169.77	171.21	1.44	GRD	1.44	100	R499939	☐	15-033			☐	☐	☐
176.36	176.90	0.54	GRD	0.54	100	R499941	☐	15-033			☐	☐	☐
176.90	178.20	1.30	GRD	1.27	98	R499942	☐	15-033			☐	☐	☐
178.20	180.97	2.77	GRD	2.77	100	R499943	☐	15-033			☐	☐	☐
180.97	181.76	0.79	GRD	0.79	100	R499944	☐	15-033			☐	☐	☐
181.76	183.19	1.43	GRD	1.41	99	R499945	☐	15-033			☐	☐	☐
183.19	183.65	0.46	GRD	0.46	100	R499946	☐	15-033			☐	☐	☐
195.64	196.91	1.27	GRD	1.27	100	R499948	☐	15-033			☐	☐	☐
196.91	198.00	1.09	GRD	1.07	98	R499950	☐	15-035			☐	☐	☐
198.00	198.57	0.57	GRD	0.56	98	R499951	☐	15-035			☐	☐	☐
198.57	199.33	0.76	GRD	0.75	99	R499953	☐	15-035			☐	☐	☐
206.11	206.57	0.46	GRD	0.46	100	R499954	☐	15-035			☐	☐	☐
206.57	207.24	0.67	GRD	0.60	90	R499955	☐	15-035			☐	☐	☐
207.24	208.25	1.01	GRD	1.01	100	R499956	☐	15-035			☐	☐	☐
258.38	259.09	0.71	GRD	0.70	99	R499957	☐	15-035			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
259.09	259.59	0.50	GRD	0.50	100	R499958	☐	15-035			☐	☐	☐
259.59	261.35	1.76	GRD	1.76	100	R499959	☐	15-035			☐	☐	☐
259.59	261.35	1.76	GRD	1.76	100	R499960	☐	15-035			☐	☑	☐
261.35	262.81	1.46	GRD	1.43	98	R499961	☐	15-035			☐	☐	☐
262.81	263.79	0.98	GRD	0.88	90	R499962	☐	15-035			☐	☐	☐
263.79	264.26	0.47	GRD	0.43	91	R499963	☐	15-035			☐	☐	☐
264.26	265.17	0.91	GRD	0.91	100	R499964	☐	15-035			☐	☐	☐
272.88	273.41	0.53	GRD, GRD	0.53	100	R499965	☐	15-035			☐	☐	☐
273.41	274.02	0.61	GRD	0.61	100	R499966	☐	15-035			☐	☐	☐
274.02	275.95	1.93	GRD	1.79	93	R499968	☐	15-035			☐	☐	☐
275.95	276.80	0.85	GRD	0.85	100	R499969	☐	15-035			☐	☐	☐
288.90	289.95	1.05	GRD	1.02	97	R499970	☐	15-035			☐	☐	☐
289.95	290.55	0.60	GRD	0.58	97	R499302	☐	15-037	HG 3		☐	☐	☐
290.55	292.09	1.54	GRD	1.54	100	R499971	☐	15-035			☐	☐	☐
290.55	292.09	1.54	GRD	1.54	100	R499972	☐	15-035			☐	☐	☑
292.09	292.96	0.87	GRD	0.87	100	R499973	☐	15-035			☐	☐	☐
292.96	293.36	0.40	GRD	0.40	100	R499303	☐	15-037	HG 3		☐	☐	☐
293.36	293.91	0.55	GRD	0.55	100	R499304	☐	15-037	HG 3		☐	☐	☐
293.36	293.91	0.55	GRD	0.55	100	R499305	☐	15-037	HG 3		☐	☐	☑
300.30	301.20	0.90	GRD	0.90	100	R499974	☐	15-035			☐	☐	☐
301.20	301.86	0.66	GRD	0.45	68	R499976	☐	15-035			☐	☐	☐
301.86	303.00	1.14	GRD	1.13	99	R499977	☐	15-035			☐	☐	☐

Klaza - Klaza Project

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		382243	6890654	1302.7	334.37

ZONE: Western Klaza

SECTION:

HOLE: KL-15-253

CLAIM:

Contractor: Platinum

Drill: 2

Core Size: HQ

Casing Depth: 2.84m, Out

Drilling Dates: Jun 25 -

Geology Logged By: D. Walsh

SURVEY			
Depth (m)	Azimuth	Dip	Method
14.32	33.3	-51.2	Reflex
334.36	41	-51	Reflex

TARGET:

SUMMARY			
From (m)	To (m)	Interval (m)	Rock Type
0	2.84	2.84	CAS
2.84	20.42	17.58	GRD
20.42	28.44	8.02	GRD
28.44	34.95	6.51	GRD
34.95	39.44	4.49	GRD
39.44	42.51	3.07	GRD
42.51	52.26	9.75	GRD
52.26	59.73	7.47	GRD
59.73	60.8	1.07	GRD
60.8	68.37	7.57	QFP
68.37	76.83	8.46	GRD
76.83	130.48	53.65	GRD
130.48	132.66	2.18	GRD
132.66	158.98	26.32	GRD
158.98	166.81	7.83	GRD
166.81	172.61	5.8	QFP

SAMPLES	
Numbers:	R498640 to R498700, R499298, R499300 to R499301, R499306 to R499308, R499601 to R499622
Total:	89
Batch:	032, 034, 036, 037
Certificates:	WH15096141, WH15096149, WH15096152, WH15097593, WH15098461

COMMENTS

172.61	188.06	15.45	GRD
188.06	190.62	2.56	QFP
190.62	209.19	18.57	GRD
209.19	211.72	2.53	GRD
211.72	213.38	1.66	QFP
213.38	220.43	7.05	GRD
220.43	221.38	0.95	GRD
221.38	221.57	0.19	QFP
221.57	223.13	1.56	GRD
223.13	316.06	92.93	GRD
316.06	317.94	1.88	GRD
317.94	318.58	0.64	VEN
318.58	321.23	2.65	GRD
321.23	334.37	13.14	GRD

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
2.84	8.85	6.01	GRD	MG	Primarily unaltered granodiorite with patchy moderate argillic alteration. Moderate oxidation along fracture surfaces of unaltered granodiorite with pervasive oxidation throughout argillic alteration. Rubbly patches throughout interval.							
						MD	GY	PA	OXI	3I		
						MD	OR		OXI	4I		
8.85	9.70	0.85	GRD	MG	Pervasively oxidized rubbly argillic alteration.							
						MD	OR		ARG	3I		
									OXI	4I		
9.70	13.57	3.87	GRD	MG	Primarily unaltered granodiorite with patchy moderate argillic alteration. Moderate oxidation along fracture surfaces of unaltered granodiorite with pervasive oxidation throughout argillic alteration. Rubbly patches throughout interval.							
						MD	GY		OXI	3I		
						MD	OR		OXI	4I		
13.57	14.72	1.15	GRD	MG	Pervasively oxidized moderate argillic alteration.							
						MD	OR		OXI	4I		
									ARG	3I		
14.72	20.42	5.70	GRD	MG	Unaltered granodiorite Moderate oxidation along fracture surfaces of unaltered granodiorite. Rubbly patches throughout interval.							
						MD	OR					
						MD	GY		OXI	3I		
20.42	28.44	8.02	GRD	MG	Pervasively oxidized silicified phyllic altered granodiorite with patchy weak propyllitic alteration. Silicification partially obliterates and pervasively oxidation obscures rock textures. Sporadic goethite staining along fracture surfaces.							
						MD	OR					
						MD	GN					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	GN					
						LT	GY					
28.44	34.95	6.51	GRD	MG	Moderately silicified trace to weakly potassic/propyllitic altered granodiorite. Moderate oxidation along fracture surfaces.							
						MD	GY		OXI	3I		
						MD	OR		SIL	3I		
									POT	2I		
									PRO	2I		
									PRO	1I		
									POT	1I		
34.95	39.44	4.49	GRD	MG	Pervasively oxidize alternating patches of moderate phyllic alteration and potassic overprinted moderate argillic alteration. Lower third of the interval is more heavily oxidized, rubbly and contains the Western BYG vein.							
						MD	OR	PA	PHC	3I		
						MD	GN		OXI	3I		
						LT	WH		OXI	4I		
									ARG	3I		
									POT	2I		
39.44	42.51	3.07	GRD	MG	Moderately silicified trace to weakly potassic/propyllitic altered granodiorite. Small moderate phyllic envelopes surrounding quartz/carbonate veins. Moderate oxidation along fracture surfaces.							
						MD	GY					
						MD	PK					
						DK	GN					
42.51	52.26	9.75	GRD	MG	Moderate to strongly silicified weak to moderate phyllic/propyllitic altered granodiorite. Moderate oxidation along fracture surfaces. Silicification partially obliterates rock textures. Hosts sporadic quartz/carbonate +/- sulphide veins.							
						MD	GN		PRO	3I		
						MD	GY		PRO	2I		
						LT	GN		PHC	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						DK	GN		PHC	3I		
									SIL	3I		
									SIL	4I		
									OXI	3I		
52.26	59.73	7.47	GRD	MG	Weakly phyllic altered granodiorite with patchy weak propyllitic alteration. Weak oxidation along fracture surfaces. Sporadic patches of gouge alteration.							
						MD	GN		PRO	2I		
						LT	GN	PA	PHC	2I		
									OXI	2I		
59.73	60.80	1.07	GRD	MG	Weakly silicified moderately propyllitic altered granodiorite.							
						LT	GY		SIL	2I		
						DK	GN		PRO	3I		
60.80	68.37	7.57	QFP	MG	Quartz feldspar porphyry dyke that alternates in patches of medium red and light grey green. Contains multiple gouge patches.							
						MD	RD					
						LT	GN					
						LT	GY					
68.37	75.95	7.58	GRD	MG	Moderate phyllic altered granodiorite with patchy weak propyllitic alteration and moderate silicification. Hosts multiple quartz carbonate veins and quartz breccias.							
						MD	GN		PHC	3I		
						LT	GY		SIL	3I		
						LT	GN		PRO	2I		
						DK	GN					
75.95	76.83	0.88	GRD	MG	Potassic overprinted argillic alteration.							
						MD	PK		ARG	3I		
						LT	WH		POT	2I		
76.83	83.82	6.99	GRD	MG	Trace to weakly potassic/propyllitic altered granodiorite with weak to moderate silicification. Has sporadic patches of weak to moderate argillic alteration and the occasional small phyllic envelope around quartz/carbonate veins.							
						MD	GY		PRO	1I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	PK		POT	1I		
						DK	GN		PRO	2I		
									POT	2I		
									SIL	1I		
									SIL	2I		
83.82	87.27	3.45	GRD	MG	Potassic overprinted weak to moderate argillic alteration with patchy weak propyllitic/potassic alteration.							
						MD	PK		ARG	2I		
						LT	WH	PA	POT	2I		
						LT	GY		POT	3I		
						DK	GN		PRO	2I		
									ARG	3I		
87.27	98.49	11.22	GRD	MG	Trace to weakly potassic/propyllitic altered granodiorite with weak to moderate silicification. Has sporadic patches of weak to moderate argillic alteration and the occasional small phyllic envelope around quartz/carbonate veins. Sporadic rubbly patches.							
						MD	PK		POT	1I		
						MD	GY		PRO	1I		
						DK	GN		PRO	2I		
									POT	2I		
									SIL	1I		
									SIL	2I		
98.49	99.17	0.68	GRD	MG	Silicified moderate phyllic envelope around quartz/carbonate veining. Transitions to weak potassic/argillic alteration distally from vein.							
						MD	GN	EN	PHC	3I		
						MD	PK		POT	2I		
						LT	GN		SIL	3I		
						LT	WH		ARG	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
99.17	110.61	11.44	GRD	MG	Trace to weakly potassic/propyllitic altered granodiorite with weak to moderate silicification. Has sporadic patches of weak to moderate argillic alteration and the occasional small phyllic envelope around quartz/carbonate veins. Sporadic rubbly patches.							
						MD	PK		POT	1I		
						MD	GY		PRO	1I		
						DK	GN		PRO	2I		
									POT	2I		
									SIL	1I		
									SIL	2I		
110.61	111.76	1.15	GRD	MG	Moderate phyllic envelope surrounding a quartz/carbonate/sulphide vein.							
						LT	GN	EN	PHC	3I		
111.76	112.81	1.05	GRD	MG	Strongly silicified weakly propyllitic altered granodiorite.							
						DK	GN		PRO	2I		
						DK	GY		SIL	4I		
112.81	114.58	1.77	GRD	MG	Two moderate phyllic envelopes surrounding quartz/carbonate veining. Envelopes are separated by silicified weakly propyllitic/potassic altered granodiorite.							
						MD	PK		POT	2I		
						MD	GY		SIL	3I		
						LT	GN	EN	PHC	3I		
						DK	GN		PRO	2I		
114.58	123.70	9.12	GRD	MG	Trace to weakly potassic/propyllitic altered granodiorite with weak to moderate silicification. Occasional small phyllic envelope around quartz/carbonate veins.							
						MD	GY		PRO	1I		
						MD	PK		POT	1I		
						DK	GN		PRO	2I		
									POT	2I		
									SIL	1I		
									SIL	2I		
123.70	124.47	0.77	GRD	MG	Moderate phyllic envelope surrounding a smoky quartz/white carbonate breccia.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GN					
						LT	GN	EN	PHC	3I		
124.47	129.10	4.63	GRD	MG	Alternating patches of weak to moderate potassic/argillic alteration and weak potassic/propyllitic alteration.							
						MD	PK		PRO	2I		
						LT	WH	PA	POT	3I		
						DK	GN		POT	2I		
									ARG	2I		
									ARG	3I		
129.10	130.48	1.38	GRD	MG	Trace to weakly potassic/propyllitic altered granodiorite with weak to moderate silicification. Occasional small phyllic envelope around quartz/carbonate veins.							
						MD	GY		PRO	1I		
						MD	PK		POT	1I		
						DK	GN		PRO	2I		
									POT	2I		
									SIL	2I		
									SIL	1I		
130.48	132.66	2.18	GRD	MG	Weak to moderate argillic/potassic altered granodiorite with patchy weak phyllic alteration. Granodiorite is partially gouge altered.							
						MD	PK		POT	3I		
						MD	GY		ARG	3I		
						LT	WH	PA	POT	2I		
						LT	GN		ARG	2I		
									PHC	2I		
132.66	158.98	26.32	GRD	MG	Fault zone where ~40% of the granodiorite has be turn to pebble to cobble sized rubble. Competent granodiorite is a silicified weak propyllitic/potassic alteration. The faulted granodiorite is weak to moderately propyllitic and weakly argillic altered.							
						MD	GY	RB	PRO	2I		
						MD	PK		SIL	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	WH		ARG	2I		
						DK	GN		PRO	3I		
									POT	2I		
158.98	166.81	7.83	GRD	MG	Silicified weakly propyllitic/potassic altered granodiorite.							
						MD	GY		SIL	3I		
						MD	PK		PRO	2I		
						DK	GN		POT	2I		
166.81	172.61	5.80	QFP	FG	Quartz feldspar porphyry dyke. Dyke alternates between light grey/green and medium grey/green.							
						MD	GN					
						MD	GY					
						LT	GY	PO				
						LT	GN					
172.61	176.94	4.33	GRD	MG	Alternating intensity of weak to moderate potassic and propyllitic alteration. Sporadic patches of weak to moderate argillic alteration.							
						MD	PK		POT	2I		
						MD	GN		PRO	2I		
						DK	GN		PRO	3I		
									POT	3I		
177.59	188.06	10.47	GRD	MG	Alternating intensity of weak to moderate potassic and propyllitic alteration. Sporadic patches of weak to moderate argillic alteration.							
						MD	GN		PRO	2I		
						MD	PK		POT	2I		
						DK	GN		PRO	3I		
									POT	3I		
188.06	190.62	2.56	QFP	FG	Medium grey/grey green quartz feldspar porphyry dyke.							
						MD	GY	PO				
190.62	197.20	6.58	GRD	MG	Trace to weakly propyllitic/potassic altered granodiorite.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GY		PRO	1I		
						LT	PK		PRO	2I		
						DK	GN		POT	1I		
									POT	2I		
197.20	198.22	1.02	GRD	MG	Potassic overprinted moderate argillic alteration.							
						MD	PK		ARG	3I		
						LT	WH		POT	2I		
198.22	205.69	7.47	GRD	MG	Trace to weakly propyllitic/potassic altered granodiorite.							
						MD	GY		PRO	1I		
						LT	PK		PRO	2I		
						DK	GN		POT	1I		
									POT	2I		
205.69	207.06	1.37	GRD	MG	Potassic overprinted moderate argillic alteration.							
						MD	PK		ARG	3I		
						LT	WH		POT	2I		
207.06	209.19	2.13	GRD	MG	Trace to weakly propyllitic/potassic altered granodiorite.							
						MD	GY		PRO	1I		
						LT	PK		PRO	2I		
						DK	GN		POT	1I		
									POT	2I		
209.19	211.72	2.53	GRD	MG	Moderate potassic/argillic altered granodiorite.							
						MD	PK		ARG	3I		
						LT	WH		POT	3I		
211.72	213.38	1.66	GRD	MG	Medium red/purple quartz feldspar porphyry dyke. Dyke is light tan at dyke contacts.							
						MD	RD	PO				
						MD	PU					
213.38	220.43	7.05	GRD	MG	Trace to weakly propyllitic/potassic altered granodiorite.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GY		PRO	1I		
						MD	PK		PRO	2I		
						DK	GN		POT	1I		
									POT	2I		
220.43	221.38	0.95	GRD	MG	Weak propyllitic, potassic, argillic alteration transitions to moderate phyllic alteration with proximity to dyke contact.							
						MD	PK		PRO	2I		
						LT	WH		POT	2I		
						LT	GN		PHC	3I		
						DK	GN		ARG	2I		
221.38	221.57	0.19	QFP	FG	Light grey/tan quartz feldspar porphyry dyke.							
						LT	GY	PO				
						LT	TN					
221.57	223.13	1.56	GRD	MG	Moderately phyllic altered granodiorite with patchy weak propyllitic alteration with sporadic patches of partial gouge alteration. Hosts a polymetallic smoky Western Klaza vein.							
						MD	GN		PRO	2I		
						LT	GN		PHC	3I		
						DK	GN					
223.13	232.01	8.88	GRD	MG	Weak to moderately silicified trace to weakly potassic/propyllitic altered granodiorite.							
						MD	GY		SIL	3I		
						MD	PK		PRO	1I		
						LT	GY		SIL	2I		
						DK	GN		PRO	2I		
									POT	2I		
									POT	1I		
232.01	233.68	1.67	GRD	MG	Moderate phyllic envelope around quartz/carbonate/sulphide vein. Phyllic alteration transitions to weak argillic/potassic/propyllitic alteration.							
						MD	PK					
						MD	GN		PRO	2I		
						LT	GN	EN	PHC	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	WH		ARG	2I		
						DK	GN		POT	2I		
233.68	251.62	17.94	GRD	MG	Weak to moderately silicified trace to weakly potassic/propyllitic altered granodiorite.							
						MD	GY		SIL	3I		
						MD	PK		PRO	1I		
						LT	GY		SIL	2I		
						DK	GN		PRO	2I		
									POT	1I		
									POT	2I		
251.62	254.79	3.17	GRD	MG	Alternating patches of potassic overprinted moderate argillic alteration, silicified weak propyllitic/potassic alteration and moderate phyllic alteration.							
						MD	PK		POT	2I		
						MD	GY		PRO	2I		
						LT	GN	PA	ARG	3I		
						LT	WH		PHC	3I		
						DK	GN		ARG	2I		
									SIL	3I		
254.79	258.41	3.62	GRD	MG	Weak to moderately silicified trace to weakly potassic/propyllitic altered granodiorite.							
						MD	PK		PRO	1I		
						MD	GY		SIL	3I		
						LT	GY		SIL	2I		
						DK	GN		PRO	2I		
									POT	2I		
									POT	1I		
258.41	261.03	2.62	GRD	MG	Moderate phyllic envelope around quartz vein. Phyllic alteration transitions to patchy moderate potassic/propyllitic and potassic/argillic alteration.							
						MD	PK		POT	3I		
						LT	GN	EN	PHC	3I		
						LT	WH		ARG	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						DK	GN		POT	2I		
									PRO	3I		
261.03	264.05	3.02	GRD	MG	Weak to moderately silicified trace to weakly potassic/propyllitic altered granodiorite.							
						MD	PK		PRO	1I		
						MD	GY		SIL	3I		
						LT	GY		SIL	2I		
						DK	GN		PRO	2I		
									POT	1I		
									POT	2I		
264.05	264.78	0.73	GRD	MG	Small moderate phyllic envelope surrounding a quartz carbonate vein. Phyllic alteration transitions to potassic/argillic alteration distally from vein.							
						MD	GN	EN	PHC	3I		
						MD	PK					
						LT	GN		ARG	3I		
						LT	WH		POT	2I		
264.78	269.77	4.99	GRD	MG	Weak to moderately silicified trace to weakly potassic/propyllitic altered granodiorite.							
						MD	GY		SIL	3I		
						MD	PK		PRO	1I		
						LT	GY		SIL	2I		
						DK	GN		PRO	2I		
									POT	1I		
									POT	2I		
269.77	270.36	0.59	GRD	MG	Small moderate phyllic envelope surrounding a quartz carbonate vein. Phyllic alteration transitions to potassic/argillic alteration distally from vein.							
						MD	GN	EN	PHC	3I		
						MD	PK					
						LT	GN		ARG	3I		
						LT	WH		POT	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
270.36	271.07	0.71	GRD	MG	Weak to moderately silicified trace to weakly potassic/propyllitic altered granodiorite.							
						MD	GY		SIL	3I		
						MD	PK		PRO	1I		
						LT	GY		SIL	2I		
						DK	GN		PRO	2I		
									POT	1I		
									POT	2I		
271.07	272.23	1.16	GRD	MG	Small moderate phyllic envelope surrounding a quartz carbonate vein. Phyllic alteration transitions to potassic/argillic alteration distally from vein.							
						MD	GN	EN	PHC	3I		
						MD	PK					
						LT	GN		ARG	3I		
						LT	WH		POT	2I		
272.23	281.54	9.31	GRD	MG	Weak to moderately silicified trace to weakly potassic/propyllitic altered granodiorite.							
						MD	GY		SIL	3I		
						MD	PK		PRO	1I		
						LT	GY		SIL	2I		
						DK	GN		PRO	2I		
									POT	1I		
									POT	2I		
281.54	282.39	0.85	GRD	MG	Moderate phyllic envelope around a few quartz/carbonate veins and veinlets.							
						MD	GN					
						LT	GN	EN	PHC	3I		
282.39	285.51	3.12	GRD	MG	Weak to moderately silicified trace to weakly potassic/propyllitic altered granodiorite. Host a few small phyllic envelopes around quartz carbonate veins.							
						MD	GY		SIL	3I		
						MD	PK		PRO	1I		
						LT	GY		SIL	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						DK	GN		PRO	2I		
									POT	2I		
									POT	1I		
285.51	286.24	0.73	GRD	MG	Moderate phyllic envelope surrounding a quartz/carbonate vein and breccia.							
						MD	GN					
						LT	GN	EN	PHC	3I		
286.24	291.89	5.65	GRD	MG	Weak to moderately silicified trace to weakly potassic/propyllitic altered granodiorite. Hosts small phyllic envelopes around multiple carbonate veinlets.							
						MD	GY		SIL	3I		
						MD	PK		PRO	1I		
						LT	GY		SIL	2I		
						DK	GN		PRO	2I		
									POT	2I		
									POT	1I		
291.89	292.34	0.45	GRD	MG	Moderate phyllic envelope surrounding a quartz carbonate vein. Phyllic alteration transition to weak potassic overprinted argillic alteration.							
						MD	PK					
						MD	GN		ARG	3I		
						LT	GN	EN	PHC	3I		
						LT	WH		POT	2I		
292.34	294.18	1.84	GRD	MG	Weak to moderately silicified trace to weakly potassic/propyllitic altered granodiorite. Host small phyllic envelopes around multiple quartz/carbonate veinlets.							
						MD	GY		SIL	3I		
						MD	PK		PRO	1I		
						LT	GY		SIL	2I		
						DK	GN		PRO	2I		
									POT	2I		
									POT	1I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
294.18	294.90	0.72	GRD	MG	Moderate phyllic envelope surrounding two quartz/carbonate veins. Phyllic alteration transitions to potassic/argillic alteration distally from veins.							
						MD	PK					
						MD	GN		ARG	3I		
						LT	GN	EN	PHC	3I		
						LT	WH		POT	3I		
294.90	296.04	1.14	GRD	MG	Weak to moderately silicified trace to weakly potassic/propyllitic altered granodiorite.							
						MD	GY		SIL	3I		
						MD	PK		PRO	1I		
						LT	GY		SIL	2I		
						DK	GN		PRO	2I		
									POT	2I		
									POT	1I		
296.04	296.95	0.91	GRD	MG	Weak phyllic altered granodiorite with patchy weak potassic/argillic alteration.							
						MD	GN		ARG	2I		
						LT	GN		PHC	2I		
									POT	2I		
300.83	302.82	1.99	GRD	MG	Weak to moderately silicified trace to weakly potassic/propyllitic altered granodiorite.							
						MD	GY		SIL	3I		
						MD	PK		PRO	1I		
						LT	GY		SIL	2I		
						DK	GN		PRO	2I		
									POT	1I		
									POT	2I		
302.82	303.76	0.94	GRD	MG	Weak potassic overprinted argillic alteration.							
						MD	PK		ARG	3I		
						LT	WH		POT	2I		
303.76	305.28	1.52	GRD	MG	Weak to moderately silicified trace to weakly potassic/propyllitic altered granodiorite.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GY		SIL	3I		
						MD	PK		PRO	1I		
						LT	GY		SIL	2I		
						DK	GN		PRO	2I		
									POT	1I		
									POT	2I		
305.28	306.50	1.22	GRD	MG	Moderate phyllic envelope around quartz/carbonate breccia. Phyllic alteration transition to potassic overprinted moderate argillic alteration distally from breccia.							
						MD	PK					
						MD	GN		ARG	3I		
						LT	GN	EN	PHC	3I		
						LT	WH		POT	2I		
306.50	312.30	5.80	GRD	MG	Moderate phyllic envelope surrounding a quartz/carbonate breccia. Phyllic alteration transitions to weak potassic/argillic alteration.							
						MD	PK		POT	2I		
						LT	GN	EN	PHC	3I		
						LT	WH		ARG	2I		
312.30	316.06	3.76	GRD	MG	Weak to moderately silicified trace to weakly potassic/propyllitic altered granodiorite. Hosts multiple aplite dykes.							
						MD	GY		SIL	3I		
						MD	PK		PRO	1I		
						LT	GY		SIL	2I		
						DK	GN		PRO	2I		
									POT	2I		
									POT	1I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
317.94	318.58	0.64	VEN	--	Western Klaza zone vein consisting of a multiphase polymetallic crackle breccia. The first 14cm consist of a grey quartz breccia with phyllic granodiorite clasts hosting disseminated pyrite. The next 41cm is a smoky quartz crackle breccia. The center of the breccia has pink rhodochrosite and light tan ankerite breccia running through the center. Smoky quartz has clasts of grey quartz, tan ankerite and phyllic altered granodiorite. The Rhodochrosite/tan ankerite is weakly brecciated by smoky quartz veinlets and stringers. The last 9cm are heavily gouge altered smoky quartz. The breccia hosts disseminated to blebby pyrite, blackjack sphalerite, arsenopyirte and galena and disseminated jamesonite.							
								CR			Gn	2
								BX			Py	5
											Sp	2
											Jm	2
											As	3
318.58	321.23	2.65	GRD	MG	Silicified moderate phyllic altered granodiorite with patchy weak propyllitic alteration. Partial gouge alteration proximal to vein contact. Hosts multiple quartz carbonate breccias.							
						MD	GN		SIL	3I		
						LT	GN		PHC	3I		
						LT	GY		PRO	2I		
321.23	331.03	9.80	GRD	MG	Weak to moderate potassic/propyllitic alteration with patchy weak to moderate potassic/argillic propyllitic alteration.							
						MD	GY	PA	PRO	2I		
						MD	PK		ARG	3I		
						LT	WH		ARG	2I		
						DK	GN		PRO	3I		
									POT	2I		
									POT	3I		
331.97	334.37	2.40	GRD	MG	Weak to moderate potassic/propyllitic alteration with patchy weak to moderate potassic/argillic propyllitic alteration.							
						MD	GY	PA	PRO	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	PK		ARG	3I		
						LT	WH		ARG	2I		
						DK	GN		PRO	3I		
									POT	3I		
									POT	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
2.84	20.42	17.58	GRD	MG	Primarily unaltered granodiorite with patchy moderate argillic alteration. Moderate oxidation along fracture surfaces of unaltered granodiorite with pervasive oxidation throughout argillic alteration. Rubbly patches throughout interval.							
						MD	GY	PA	OXI	3I		
						MD	OR		OXI	4I		
20.42	28.44	8.02	GRD	MG	Pervasively oxidized silicified phyllic altered granodiorite with patchy weak propyllitic alteration. Silicification partially obliterates and pervasively oxidation obscures rock textures. Sporadic goethite staining along fracture surfaces.							
						MD	GN					
						LT	GY					
						MD	OR					
						LT	GN					
28.44	34.95	6.51	GRD	MG	Moderately silicified trace to weakly potassic/propyllitic altered granodiorite. Moderate oxidation along fracture surfaces.							
									POT	2I		
									PRO	1I		
									PRO	2I		
						MD	OR		SIL	3I		
									POT	1I		
						MD	GY		OXI	3I		
34.95	39.44	4.49	GRD	MG	Pervasively oxidize alternating patches of moderate phyllic alteration and potassic overprinted moderate argillic alteration. Lower third of the interval is more heavily oxidized, rubbly and contains the Western BYG vein.							
									POT	2I		
									ARG	3I		
						LT	WH		OXI	4I		
						MD	GN		OXI	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	OR	PA	PHC	3I		
39.44	42.51	3.07	GRD	MG	Moderately silicified trace to weakly potassic/propyllitic altered granodiorite. Small moderate phyllic envelopes surrounding quartz/carbonate veins. Moderate oxidation along fracture surfaces.							
						DK	GN					
						MD	GY					
						MD	PK					
42.51	52.26	9.75	GRD	MG	Moderate to strongly silicified weak to moderate phyllic/propyllitic altered granodiorite. Moderate oxidation along fracture surfaces. Silicification partially obliterates rock textures. Hosts sporadic quartz/carbonate +/- sulphide veins.							
									OXI	3I		
						DK	GN		PHC	3I		
						MD	GN		PRO	3I		
						MD	GY		PRO	2I		
									SIL	4I		
						LT	GN		PHC	2I		
									SIL	3I		
52.26	59.73	7.47	GRD	MG	Weakly phyllic altered granodiorite with patchy weak propyllitic alteration. Weak oxidation along fracture surfaces. Sporadic patches of gouge alteration.							
									OXI	2I		
						LT	GN	PA	PHC	2I		
						MD	GN		PRO	2I		
59.73	60.80	1.07	GRD	MG	Weakly silicified moderately propyllitic altered granodiorite.							
						DK	GN		PRO	3I		
						LT	GY		SIL	2I		
60.80	68.37	7.57	QFP	MG	Quartz feldspar porphyry dyke that alternates in patches of medium red and light grey green. Contains multiple gouge patches.							
						LT	GN					
						LT	GY					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	RD					
68.37	76.83	8.46	GRD	MG	Moderate phyllic altered granodiorite with patchy weak propyllitic alteration and moderate silicification. Hosts multiple quartz carbonate veins quartz breccias. The end of the interval is potassic overprinted argillic alteration.							
						LT	GN		PRO	2I		
						LT	GY		SIL	3I		
						MD	GN		PHC	3I		
						DK	GN					
76.83	130.48	53.65	GRD	MG	Trace to weakly potassic/propyllitic altered granodiorite with weak to moderate silicification. Has sporadic patches of weak to moderate argillic alteration and the occasional small phyllic envelope around quartz/carbonate veins.							
									SIL	1I		
						MD	GY		PRO	1I		
						MD	PK		POT	1I		
									POT	2I		
									SIL	2I		
						DK	GN		PRO	2I		
130.48	132.66	2.18	GRD	MG	Weak to moderate argillic/potassic altered granodiorite with patchy weak phyllic alteration. Granodiorite is partially gouge altered.							
						LT	WH	PA	POT	2I		
									PHC	2I		
						MD	PK		POT	3I		
						LT	GN		ARG	2I		
						MD	GY		ARG	3I		
132.66	158.98	26.32	GRD	MG	Fault zone where ~40% of the granodiorite has be turn to pebble to cobble sized rubble. Competent granodiorite is a silicified weak propyllitic/potassic alteration. The faulted granodiorite is weak to moderately propyllitic and weakly argillic altered.							
						MD	PK		SIL	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	WH		ARG	2I		
						DK	GN		PRO	3I		
						MD	GY	RB	PRO	2I		
									POT	2I		
158.98	166.81	7.83	GRD	MG	Silicified weakly propyllitic/potassic altered granodiorite.							
						MD	PK		PRO	2I		
						DK	GN		POT	2I		
						MD	GY		SIL	3I		
166.81	172.61	5.80	QFP	FG	Quartz feldspar porphyry dyke. Dyke alternates between light grey/green and medium grey/green.							
						LT	GN					
						MD	GY					
						MD	GN					
						LT	GY	PO				
172.61	188.06	15.45	GRD	MG	Alternating intensity of weak to moderate potassic and propyllitic alteration.							
						MD	GN		PRO	2I		
						DK	GN		PRO	3I		
						MD	PK		POT	2I		
									POT	3I		
188.06	190.62	2.56	QFP	FG	Medium grey/grey green quartz feldspar porphyry dyke.							
						MD	GY	PO				
190.62	209.19	18.57	GRD	MG	Trace to weakly propyllitic/potassic altered granodiorite.							
						DK	GN		POT	1I		
									POT	2I		
						LT	PK		PRO	2I		
						MD	GY		PRO	1I		
209.19	211.72	2.53	GRD	MG	Moderate potassic/argillic altered granodiorite.							
						LT	WH		POT	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	PK		ARG	3I		
211.72	213.38	1.66	QFP	FG	Medium red/purple quartz feldspar porphyry dyke. Dyke is light tan at dyke contacts.							
						MD	RD	PO				
						MD	PU					
213.38	220.43	7.05	GRD	MG	Trace to weakly propyllitic/potassic altered granodiorite.							
						MD	GY		PRO	1I		
						MD	PK		PRO	2I		
						DK	GN		POT	1I		
									POT	2I		
220.43	221.38	0.95	GRD	MG	Weak propyllitic, potassic, argillic alteration transitions to moderate phyllic alteration with proximity to dyke contact.							
						LT	GN		PHC	3I		
						DK	GN		ARG	2I		
						MD	PK		PRO	2I		
						LT	WH		POT	2I		
221.38	221.57	0.19	QFP	FG	Light grey/tan quartz feldspar porphyry dyke.							
						LT	TN					
						LT	GY	PO				
221.57	223.13	1.56	GRD	MG	Moderately phyllic altered granodiorite with patchy weak propyllitic alteration with sporadic patches of partial gouge alteration. Hosts a polymetallic smoky Western Klaza vein.							
						LT	GN		PHC	3I		
						MD	GN		PRO	2I		
						DK	GN					
223.13	316.06	92.93	GRD	MG	Weak to moderately silicified trace to weakly potassic/propyllitic altered granodiorite.							
						LT	GY		SIL	2I		
									POT	1I		
						DK	GN		PRO	2I		
						MD	GY		SIL	3I		
									POT	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	PK		PRO	1I		
317.94	318.58	0.64	VEN	--	Western Klaza zone vein consisting of a multiphase polymetallic crackle breccia. The first 14cm consist of a grey quartz breccia with phyllic granodiorite clasts hosting disseminated pyrite. The next 41cm is a smoky quartz crackle breccia. The center of the breccia has pink rhodochrosite and light tan ankerite breccia running through the center. Smoky quartz has clasts of grey quartz, tan ankerite and phyllic altered granodiorite. The Rhodochrosite/tan ankerite is weakly brecciated by smoky quartz veinlets and stringers. The last 9cm are heavily gouge altered smoky quartz. The breccia hosts disseminated to blebby pyrite, blackjack sphalerite, arsenopyirte and galena and disseminated jamesonite.							
											As	3
											Jm	2
											Sp	2
								BX			Py	5
								CR			Gn	2
318.58	321.23	2.65	GRD	MG	Silicified moderate phyllic altered granodiorite with patchy weak propyllitic alteration. Partial gouge alteration proximal to vein contact. Hosts multiple quartz carbonate breccias.							
						MD	GN		SIL	3I		
						LT	GY		PRO	2I		
						LT	GN		PHC	3I		
321.23	334.37	13.14	GRD	MG	Weak to moderate potassic/propyllitic alteration with patchy weak to moderate potassic/argillic propyllitic alteration.							
						LT	WH		ARG	2I		
						MD	GY	PA	PRO	2I		
						MD	PK		ARG	3I		
									POT	2I		
									POT	3I		
						DK	GN		PRO	3I		

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
0.00	2.89	2.89	0	0	0.00	0	--	--	--	Casing
2.89	5.18	2.29	2.01	88	0.76	33	--	3H	2W	
5.18	8.23	3.05	2.61	86	1.36	45	--	3H	2W	
8.23	11.28	3.05	2.69	88	1.85	61	--	3H	2W	
11.28	14.33	3.05	2.74	90	1.52	50	--	3H	2W	
14.33	17.37	3.04	2.71	89	2.39	79	--	4H	2W	
17.37	20.42	3.05	2.62	86	1.92	63	--	4H	2W	
20.42	23.47	3.05	2.57	84	1.49	49	--	3H	2W	
23.47	26.52	3.05	2.9	95	2.30	75	--	3H	2W	
26.52	29.57	3.05	2.91	95	2.63	86	--	4H	2W	
29.57	32.61	3.04	2.79	92	2.23	73	--	4H	2W	
32.61	35.66	3.05	2.84	93	2.57	84	--	4H	1W	
35.66	38.71	3.05	2.64	87	1.90	62	--	4H	2W	
38.71	41.76	3.05	2.91	95	2.18	71	--	4H	1W	
41.76	44.80	3.04	2.76	91	1.78	59	--	4H	2W	
44.80	47.85	3.05	2.97	97	1.56	51	--	4H	2W	
47.85	50.90	3.05	2.47	81	0.65	21	--	4H	1W	
50.90	53.95	3.05	2.54	83	0.82	27	--	4H	1W	
53.95	57.00	3.05	2.64	87	2.02	66	--	4H	1W	
57.00	60.04	3.04	3.04	100	2.87	94	--	3H	1W	
60.04	63.09	3.05	2.78	91	0.97	32	--	3H	1W	
63.09	66.14	3.05	2.69	88	2.14	70	--	4H	1W	
66.14	69.19	3.05	3.05	100	2.23	73	--	4H	1W	
69.19	72.24	3.05	2.91	95	1.91	63	--	4H	1W	
72.24	75.29	3.05	2.78	91	1.47	48	--	3H	1W	
75.29	78.33	3.04	2.34	77	0.74	24	--	3H	1W	
78.33	81.38	3.05	2.74	90	2.38	78	--	3H	1W	
81.38	84.43	3.05	2.98	98	2.20	72	--	4H	1W	
84.43	87.48	3.05	2.63	86	1.40	46	--	3H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
87.48	90.52	3.04	2.97	98	1.85	61	--	4H	1W	
90.52	93.57	3.05	2.9	95	2.26	74	--	4H	1W	
93.57	96.62	3.05	2.27	74	1.16	38	--	4H	1W	
96.62	99.67	3.05	2.85	93	2.35	77	--	4H	1W	
99.67	102.72	3.05	2.49	82	1.17	38	--	4H	1W	
102.72	105.76	3.04	2.62	86	1.80	59	--	5H	1W	
105.76	108.81	3.05	3.01	99	2.22	73	--	5H	1W	
108.81	111.86	3.05	2.87	94	2.51	82	--	4H	1W	
111.86	114.91	3.05	2.82	92	2.33	76	--	4H	1W	
114.91	117.96	3.05	3.03	99	2.95	97	--	5H	1W	
117.96	121.01	3.05	3.05	100	1.78	58	--	5H	1W	
121.01	124.05	3.04	3.04	100	2.52	83	--	5H	1W	
124.05	127.10	3.05	2.43	80	1.65	54	--	3H	1W	
127.10	130.15	3.05	3	98	3.00	98	--	3H	1W	
130.15	133.20	3.05	2.86	94	0.98	32	--	2H	1W	Very broken. 40% of interval made up of rubble or clay-rich fragments.
133.20	136.24	3.04	3.03	100	1.43	47	--	2H	1W	Very broken. 40% of interval made up of rubble or clay-rich fragments.
136.24	139.29	3.05	3.04	100	0.40	13	--	2H	1W	Very broken. 40% of interval made up of rubble or clay-rich fragments.
139.29	142.34	3.05	2.91	95	0.32	10	--	2H	1W	Very broken. 40% of interval made up of rubble or clay-rich fragments.
142.34	145.39	3.05	2.96	97	0.44	14	--	3H	1W	Very broken. 40% of interval made up of rubble or clay-rich fragments.
145.39	148.44	3.05	2.89	95	0.90	30	--	3H	1W	Very broken. 40% of interval made up of rubble or clay-rich fragments.
148.44	151.49	3.05	3.05	100	0.57	19	--	2H	1W	CAVE - PACKER TEST. Few metres of extra 'mud' material. Very broken. 40% of interval made up of rubble or clay-rich fragments.
151.49	154.53	3.04	2.8	92	1.19	39	--	3H	1W	Very broken. 40% of interval made up of rubble or clay-rich fragments.
154.53	157.58	3.05	3.05	100	0.72	24	--	2H	1W	Very broken. 40% of interval made up of rubble or clay-rich fragments.
157.58	160.63	3.05	2.98	98	0.57	19	--	2H	1W	Very broken. 40% of interval made up of rubble or clay-rich fragments.

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
160.63	163.68	3.05	3.01	99	2.54	83	--	5H	1W	
163.68	166.73	3.05	2.92	96	1.87	61	--	5H	1W	
166.73	169.77	3.04	2.99	98	2.19	72	--	3H	1W	
169.77	172.82	3.05	3.05	100	1.57	51	--	3H	1W	
172.82	175.87	3.05	3.05	100	1.62	53	--	3H	1W	
175.87	178.92	3.05	3	98	2.42	79	--	3H	1W	
178.92	181.97	3.05	3	98	2.67	88	--	3H	1W	
181.97	185.01	3.04	2.86	94	1.66	55	--	3H	1W	
185.01	188.06	3.05	2.87	94	2.08	68	--	4H	1W	
188.06	191.11	3.05	2.99	98	1.85	61	--	3H	1W	
191.11	194.16	3.05	2.91	95	2.46	81	--	4H	1W	
194.16	197.21	3.05	3	98	2.63	86	--	4H	1W	
197.21	200.25	3.04	2.84	93	2.41	79	--	5H	1W	
200.25	203.30	3.05	2.83	93	2.10	69	--	5H	1W	
203.30	206.35	3.05	3	98	2.88	94	--	4H	1W	
206.35	209.40	3.05	3.03	99	2.81	92	--	4H	1W	
209.40	212.45	3.05	2.99	98	2.50	82	--	4H	1W	
212.45	215.49	3.04	3.04	100	2.42	80	--	3H	1W	
215.49	218.54	3.05	2.92	96	2.44	80	--	4H	1W	
218.54	221.59	3.05	2.98	98	2.71	89	--	4H	1W	
221.59	224.64	3.05	2.96	97	1.79	59	--	3H	1W	
224.64	227.69	3.05	3.01	99	2.69	88	--	4H	1W	
227.69	230.73	3.04	2.95	97	2.75	90	--	4H	1W	
230.73	233.78	3.05	2.86	94	2.08	68	--	3H	1W	
233.78	236.83	3.05	2.88	94	2.20	72	--	4H	1W	
236.83	239.88	3.05	2.82	92	2.53	83	--	4H	1W	
239.88	242.93	3.05	2.99	98	2.78	91	--	5H	1W	
242.93	245.97	3.04	3.01	99	2.09	69	--	5H	1W	
245.97	249.02	3.05	2.95	97	2.30	75	--	5H	1W	
249.02	252.07	3.05	2.88	94	2.39	78	--	4H	1W	
252.07	255.12	3.05	2.67	88	1.83	60	--	4H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
255.12	258.17	3.05	2.94	96	2.73	90	--	4H	1W	
258.17	261.21	3.04	2.88	95	2.40	79	--	3H	1W	
261.21	264.26	3.05	3.03	99	3.01	99	--	4H	1W	
264.26	267.31	3.05	2.95	97	2.49	82	--	4H	1W	
267.31	270.36	3.05	3.05	100	2.98	98	--	4H	1W	
270.36	273.41	3.05	2.99	98	2.60	85	--	3H	1W	
273.41	276.45	3.04	2.96	97	2.61	86	--	4H	1W	
276.45	279.50	3.05	2.96	97	2.92	96	--	4H	1W	
279.50	282.55	3.05	3	98	2.65	87	--	4H	1W	
282.55	285.60	3.05	3.05	100	2.90	95	--	4H	1W	
285.60	288.65	3.05	2.93	96	2.62	86	--	4H	1W	
288.65	291.69	3.04	2.89	95	2.44	80	--	5H	1W	
291.69	294.74	3.05	3	98	2.73	90	--	5H	1W	
294.74	297.79	3.05	3.02	99	2.83	93	--	5H	1W	
297.79	300.84	3.05	3	98	2.80	92	--	4H	1W	
300.84	303.89	3.05	2.92	96	2.58	85	--	4H	1W	
303.89	306.93	3.04	2.95	97	2.70	89	--	4H	1W	
306.93	309.98	3.05	2.97	97	2.47	81	--	4H	1W	
309.98	313.03	3.05	3.01	99	1.80	59	--	4H	1W	
313.03	316.08	3.05	2.92	96	1.40	46	--	4H	1W	
316.08	319.13	3.05	2.78	91	1.20	39	--	4H	1W	
319.13	322.17	3.04	2.62	86	1.57	52	--	3H	1W	
322.17	325.22	3.05	2.84	93	2.70	89	--	4H	1W	
325.22	328.27	3.05	3.02	99	2.60	85	--	3H	1W	
328.27	331.32	3.05	3.05	100	2.67	88	--	4H	1W	
331.32	334.37	3.05	2.78	91	2.41	79	--	4H	1W	EOH

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
0.00	0.00	0.00	-QC-	0.00	0	R498652	☐	15-032		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R498657	☐	15-032			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R498662	☐	15-032		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R498679	☐	15-034		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R498685	☐	15-034			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R498690	☐	15-034		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R498698	☐	15-034			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R499608	☐	15-036		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R499613	☐	15-036			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R498644	☐	15-032			☑	☐	☐
9.21	9.51	0.30	GRD	0.30	100	R498640	☐	15-032			☐	☐	☐
20.42	21.74	1.32	GRD, GRD	1.32	100	R498641	☐	15-032			☐	☐	☐
21.74	22.49	0.75	GRD	0.75	100	R498642	☐	15-032			☐	☐	☐
22.49	22.79	0.30	GRD	0.30	100	R498643	☐	15-032			☐	☐	☐
22.79	24.24	1.45	GRD	1.45	100	R498645	☐	15-032			☐	☐	☐
24.24	24.61	0.37	GRD	0.37	100	R498646	☐	15-032			☐	☐	☐
24.61	26.07	1.46	GRD	1.43	98	R498647	☐	15-032			☐	☐	☐
24.61	26.07	1.46	GRD	1.43	98	R498648	☐	15-032			☐	☑	☐
26.07	28.43	2.36	GRD	2.33	99	R498649	☐	15-032			☐	☐	☐
35.00	37.13	2.13	GRD	2.13	100	R498650	☐	15-032			☐	☐	☐
37.13	37.65	0.52	GRD	0.49	94	R498651	☐	15-032			☐	☐	☐
37.65	38.66	1.01	GRD	0.97	96	R498653	☐	15-032			☐	☐	☐
38.66	38.99	0.33	GRD	0.33	100	R499298	☐	15-037	HG 3		☐	☐	☐
38.99	39.43	0.44	GRD	0.43	98	R498654	☐	15-032			☐	☐	☐
39.43	41.31	1.88	GRD	1.85	98	R498655	☐	15-032			☐	☐	☐
41.31	41.61	0.30	GRD	0.30	100	R498656	☐	15-032			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
41.61	42.63	1.02	GRD	1.02	100	R498658	☐	15-032			☐	☐	☐
42.63	43.44	0.81	GRD	0.71	88	R498659	☐	15-032			☐	☐	☐
43.44	44.25	0.81	GRD	0.78	96	R498660	☐	15-032			☐	☐	☐
44.25	45.38	1.13	GRD	1.13	100	R498661	☐	15-032			☐	☐	☐
45.38	47.85	2.47	GRD	2.47	100	R498663	☐	15-032			☐	☐	☐
47.85	48.30	0.45	GRD	0.45	100	R498664	☐	15-032			☐	☐	☐
48.30	50.89	2.59	GRD	2.47	95	R498665	☐	15-032			☐	☐	☐
50.89	51.78	0.89	GRD	0.89	100	R498666	☐	15-032			☐	☐	☐
51.78	52.65	0.87	GRD	0.80	92	R498667	☐	15-032			☐	☐	☐
52.65	53.02	0.37	GRD	0.37	100	R498668	☐	15-032			☐	☐	☐
53.02	54.93	1.91	GRD	0.91	48	R498669	☐	15-034			☐	☐	☐
54.93	55.39	0.46	GRD	0.46	100	R498670	☐	15-034			☐	☐	☐
55.39	56.76	1.37	GRD	1.37	100	R498671	☐	15-034			☐	☐	☐
56.76	58.70	1.94	GRD	1.93	99	R498672	☐	15-034			☐	☐	☐
56.76	58.70	1.94	GRD	1.93	99	R498673	☐	15-034			☐	☑	☐
58.70	59.72	1.02	GRD	1.00	98	R498674	☐	15-034			☐	☐	☐
59.72	60.10	0.38	GRD	0.38	100	R498675	☐	15-034			☐	☐	☐
60.10	60.80	0.70	GRD	0.66	94	R498676	☐	15-034			☐	☐	☐
67.82	68.36	0.54	QFP	0.53	98	R498677	☐	15-034			☐	☐	☐
68.36	68.85	0.49	QFP	0.49	100	R498678	☐	15-034			☐	☐	☐
68.85	69.55	0.70	GRD	0.70	100	R498680	☐	15-034			☐	☐	☐
69.55	71.77	2.22	GRD	2.22	100	R498681	☐	15-034			☐	☐	☐
71.77	72.16	0.39	GRD	0.39	100	R498682	☐	15-034			☐	☐	☐
72.16	72.66	0.50	GRD	0.50	100	R498683	☐	15-034			☐	☐	☐
72.66	73.73	1.07	GRD	1.06	99	R498684	☐	15-034			☐	☐	☐
73.73	74.59	0.86	GRD	0.83	97	R499300	☐	15-037	HG 3		☐	☐	☐
74.59	75.45	0.86	GRD	0.86	100	R498686	☐	15-034			☐	☐	☐
75.45	76.72	1.27	GRD	1.27	100	R498687	☐	15-034			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
75.45	76.72	1.27	GRD	1.27	100	R498688	☐	15-034			☐	☐	☑
98.24	98.76	0.52	GRD	0.51	98	R498689	☐	15-034			☐	☐	☐
98.76	99.07	0.31	GRD	0.31	100	R498691	☐	15-034			☐	☐	☐
99.07	99.59	0.52	GRD	0.52	100	R498692	☐	15-034			☐	☐	☐
110.78	111.29	0.51	GRD	0.51	100	R498693	☐	15-034			☐	☐	☐
111.29	111.59	0.30	GRD	0.30	100	R498694	☐	15-034			☐	☐	☐
111.59	112.07	0.48	GRD	0.48	100	R498695	☐	15-034			☐	☐	☐
123.50	124.01	0.51	GRD	0.50	98	R498696	☐	15-034			☐	☐	☐
124.01	124.33	0.32	GRD	0.32	100	R498697	☐	15-034			☐	☐	☐
124.33	124.81	0.48	GRD	0.48	100	R498699	☐	15-034			☐	☐	☐
219.44	220.44	1.00	GRD	1.00	100	R498700	☐	15-034			☐	☐	☐
220.44	221.16	0.72	GRD	0.72	100	R499601	☐	15-034			☐	☐	☐
221.16	221.57	0.41	GRD	0.39	95	R499602	☐	15-034			☐	☐	☐
221.57	222.01	0.44	QFP, GRD	0.44	100	R499301	☐	15-037	HG 3		☐	☐	☐
222.01	223.05	1.04	GRD	1.04	100	R499603	☐	15-034			☐	☐	☐
223.05	223.55	0.50	GRD	0.50	100	R499604	☐	15-034			☐	☐	☐
281.65	282.38	0.73	GRD	0.73	100	R499605	☐	15-036			☐	☐	☐
282.38	284.03	1.65	GRD	1.65	100	R499606	☐	15-036			☐	☐	☐
284.03	285.56	1.53	GRD	1.53	100	R499607	☐	15-036			☐	☐	☐
285.56	285.92	0.36	GRD	0.36	100	R499609	☐	15-036			☐	☐	☐
285.92	287.18	1.26	GRD	1.25	99	R499610	☐	15-036			☐	☐	☐
299.53	300.05	0.52	GRD	0.51	98	R499611	☐	15-036			☐	☐	☐
300.05	300.55	0.50	GRD	0.45	90	R499612	☐	15-036			☐	☐	☐
300.55	300.97	0.42	GRD	0.42	100	R499614	☐	15-036			☐	☐	☐
316.08	316.87	0.79	GRD	0.77	97	R499615	☐	15-036			☐	☐	☐
316.87	317.95	1.08	GRD	1.06	98	R499616	☐	15-036			☐	☐	☐
317.95	318.57	0.62	VEN	0.62	100	R499306	☐	15-037	HG 3		☐	☐	☐
318.57	319.24	0.67	VEN	0.57	85	R499307	☐	15-037	HG 3		☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
319.24	320.07	0.83	GRD	0.83	100	R499308	☐	15-037	HG 3		☐	☐	☐
320.07	320.79	0.72	GRD	0.69	96	R499617	☐	15-036			☐	☐	☐
320.79	322.17	1.38	GRD	1.32	96	R499618	☐	15-036			☐	☐	☐
330.51	331.32	0.81	GRD	0.81	100	R499619	☐	15-036			☐	☐	☐
331.32	331.65	0.33	GRD	0.33	100	R499620	☐	15-036			☐	☐	☐
331.32	331.65	0.33	GRD	0.33	100	R499621	☐	15-036			☐	☐	☑
331.65	332.15	0.50	GRD	0.50	100	R499622	☐	15-036			☐	☐	☐

Klaza - Klaza Project

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		381695	6889914	1302.81	306.93

ZONE: Western BRX

SECTION: BRX 9+450

HOLE: KL-15-254

CLAIM:

Contractor: Platinum

Drill: 1

Core Size: HQ

Casing Depth: 4.5m, Out

Drilling Dates: Jun 29 -

Geology Logged By: T. Cruz

SURVEY			
Depth (m)	Azimuth	Dip	Method
17.37	32.7	-49.9	Reflex
306.93	38.5	-50.7	Reflex

TARGET:

SUMMARY			
From (m)	To (m)	Interval (m)	Rock Type
0	4.5	4.5	CAS
4.5	13.2	8.7	GRD
13.2	14.24	1.04	GRD
14.24	22.32	8.08	GRD
22.32	43.5	21.18	GRD
43.5	113.37	69.87	GRD
113.37	116.08	2.71	GRD
116.08	123.91	7.83	GRD
123.91	137.8	13.89	GRD
137.8	141.04	3.24	GRD
141.04	164.11	23.07	GRD
164.11	166.94	2.83	GRD
166.94	187.35	20.41	GRD
187.35	192.89	5.54	GRD
192.89	223.6	30.71	GRD
223.6	229.24	5.64	GRD

SAMPLES	
Numbers:	R499310 to R499319, R499978 to R500000, R610001 to R610069
Total:	102
Batch:	035, 038, 040, 042, 056
Certificates:	WH15098454, WH15098462, WH15100414, WH15100423, WH15102145, WH15102149

COMMENTS

229.24	287.23	57.99	GRD
287.23	288.12	0.89	VEN
288.12	293.61	5.49	QFP
293.61	294.23	0.62	BXA
294.23	295.18	0.95	QFP
295.18	295.53	0.35	GRD
295.53	296.04	0.51	VEN
296.04	297.95	1.91	GRD
297.95	302.66	4.71	GRD
302.66	306.93	4.27	GRD

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
4.50	13.20	8.70	GRD	MG	Fractured, pervasively oxide stained granodiorite with patchy argillic and phyllic alteration. Oxides overprint all other altns. Weak clay alteration along fractures. Trace geothite on 5% of fracture surfaces. Cut by thinly banded quartz-carbonate veins.							
						MD	OR	PA	ARG	3I		
						MD	BN	FR	OXI	3I	Go	2
						LT	BN	RB	CLY	2I	Li	2
									PHC	2I		
13.20	14.24	1.04	GRD	MG	A silicification overprints patchy proximal phyllic-argillic halos on mineralized vein/vein breccia. Vein breccia at 14m Banded quartz-carbonate vein that is crackle brecciated by grey quartz veinlets/stringers. Blebby pyrite is hosted in quartz, and blebby black jack sphalerite along the quartz-carbonate contacts.							
						MD	BN	BX	SIL	2I	Sp	0.1
						MD	OR		OXI	3I	Py	0.1
									ARG	2I	Go	2
									PHC	2I	Li	2
14.24	17.20	2.96	GRD	MG	Fractured, pervasively oxide stained granodiorite with patchy argillic and phyllic alteration. Oxides overprint all other altns. Weak clay alteration along fractures. Trace geothite on 5% of fracture surfaces. Cut by thinly banded quartz-carbonate veins.							
								PA	ARG	3I	Go	1
								FR	OXI	2I	Li	2
									PHC	2I		
17.20	20.57	3.37	GRD	MG	Weak patchy argillic altered granodiorite with oxide staining on fractures. Cut by carbonate veinlets.							
						MD	GY	PA	OXI	2I	Li	1
						LT	BN		ARG	1I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
20.57	22.32	1.75	GRD	MG	Fractured, pervasively oxide stained granodiorite with patchy argillic and phyllic alteration. Oxides overprint all other altns. Weak clay alteration along fractures. Trace geothite on 5% of fracture surfaces. Cut by thinly banded quartz-carbonate veins.							
						MD	BN	PA	ARG	3I	Go	1
						MD	OR		PHC	2I		
						LT	BN	FR	OXI	2I	Li	1
22.32	34.47	12.15	GRD	MG	Fractured granodiorite, even rubbly in sections, with semi-pervasive oxide staining and weak clay alteration along fractures. There is patchy argillic around rare carbonate veinlets, and oxide staining is stronger in these patches.							
						MD	BN	RB	ARG	1I	Li	5
						MD	OR	FR	OXI	3I		
						MD	GY		CLY	1I		
34.47	43.50	9.03	GRD	MG	Fractured granodiorite, even rubbly in sections, with semi-pervasive oxide staining and weak clay alteration along fractures. There is patchy argillic around rare carbonate veinlets, and oxide staining is stronger in these patches. There are some rubbly, gouged zones where stronger argillic and oxide staining occur.							
						MD	GY	RB	ARG	2I		
						MD	BN	FR	OXI	3I		
						MD	OR		CLY	2I		
43.50	45.65	2.15	GRD	MG	Granodiorite with oxide staining on fracture surfaces.							
						MD	GY		OXI	2I		
						MD	BN					
45.65	47.15	1.50	GRD	MG	Argillic altered granodiorite with weak silicified overprint. Pervasive weak-moderate oxide staining. Cut by barren calcite veining.							
						MD	BN					
						LT	BN		OXI	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
47.15	67.58	20.43	GRD	MG	Granodiorite with oxide staining on fracture surfaces.							
						MD	GY		OXI	2I		
						MD	BN					
67.58	69.74	2.16	GRD	MG	Fresh granodiorite with trace potassic alteration and trace oxide staining on fractures.							
						MD	GY		POT	1I		
						LT	PK		OXI	1I		
69.74	94.07	24.33	GRD	MG	Fresh granodiorite with trace oxide staining on fractures.							
						MD	GY		OXI	1I		
94.07	97.89	3.82	GRD	MG	Patchy phyllic, argillic, and propylitic altered zone with several veins. These veins are white calcite veinlets, and chlorite-hemaite-carbonate veinlets with disseminated pyrite.							
						MD	GN		PRO	2I		
						LT	GN	PA	PHC	2I	Py	0.1
									ARG	2I		
97.89	99.87	1.98	GRD	MG	Fresh granodiorite.							
						MD	GY					
99.87	103.46	3.59	GRD	MG	Trace-weak pervasive argillic with weak propylitic alteration.							
						LT	WH		ARG	2I		
						DK	GN		PRO	2I		
103.46	113.37	9.91	GRD	MG	Fresh granodiorite with patchy trace propylitic alteration.							
						MD	GY		PRO	1I		
						MD	GN					
113.37	116.08	2.71	GRD	MG	Granodiorite with strong crumbling, fracturing, and weak clay alteration along fracture surfaces.							
						MD	GY	RB	CLY	2I		
						LT	GN	FR				

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
116.08	123.91	7.83	GRD	MG	Zone with patches of varying alterations, quartz-carbonate-pyrite veinlets, and gouge. Alterations are generally narrow proximal phyllic and distal argillic halos on veinlets and around gouge. Weak potassic alteration overprints argillic alteration. There are few narrow patches of propylitic alteration .							
						MD	GN		ARG	2I		
						LT	GN	PA	PHC	3I	Py	0.1
						LT	PK	MO	PRO	1I		
						LT	WH		POT	1I		
123.91	131.69	7.78	GRD	MG	Fresh granodiorite with patchy weak propylitic and potassic.							
						MD	GN	PA	PRO	1I		
						MD	GY		POT	1I		
						LT	PK					
131.69	136.38	4.69	GRD	MG	Proximal phyllic and distal argillic halos on quartz-carbonate veins with some disseminated pyrite. There is a trace of potassic overprint on argillic alteration.							
						MD	GN		POT	1I		
						LT	GN	PA	PHC	3I	Py	0.1
						LT	WH		PRO	1I		
						LT	PK		ARG	2I		
136.38	137.80	1.42	GRD	MG	Fresh granodiorite with trace patchy propylitic.							
						MD	GY	PA	PRO	1I		
						MD	GN					
137.80	141.04	3.24	GRD	MG	Granodiorite with patchy phyllic and argillic, with a weakly clay altered section of crumbling. Patchy trace potassic over argillic. Cut by a pair of quartz veinlets with trace disseminated pyrite.							
						MD	GY		CLY	2I		
						LT	WH	RB	PHC	2I		
						LT	GN	PA	ARG	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	PK		POT	1I		
141.04	154.37	13.33	GRD	MG	Mostly fresh to trace propylitic altered granodiorite with narrow proximal phyllic and distal argillic halos. These veins are quartz-carbonate hosting disseminated pyrite.							
						MD	GY	PA	PHC	2I	Py	0.1
						LT	PK		ARG	2I		
						LT	GN		POT	1I		
154.37	155.61	1.24	GRD	MG	Patch of phyllic-argillic alteration surrounding a vein, with trace potassic overprinting argillic. Vein is massive quartz-carbonate hosting trace disseminated pyrite.							
						LT	GN		PHC	3I		
						LT	PK		ARG	2I		
									POT	1I		
155.61	164.11	8.50	GRD	MG	Mostly fresh to trace propylitic altered granodiorite with narrow proximal phyllic and distal argillic halos. These veins are quartz-carbonate hosting disseminated pyrite.							
						MD	GY		ARG	1I		
						LT	GN	PA	PHC	2I		
									POT	1I		
164.11	166.94	2.83	GRD	MG	Rubbly, crumbled fault zone with clay alteration along fractures.							
						MD	GY	FR	CLY	2I		
								RB				
166.94	187.35	20.41	GRD	MG	Mostly fresh granodiorite with narrow proximal phyllic and distal argillic halos on white quartz-carbonate veins with trace disseminated pyrite.							
						MD	GY	PA	PHC	2I	Py	0.1
						LT	GN					
187.35	191.48	4.13	GRD	MG	Bonus vein zone preceding the main BRX vein zone. The quartz veins in this interval are particularly rich in tan ankerite and carry large amounts of zoned honey brown sphalerite. Alteration is patchy proximal phyllic and distal argillic vein halos with intermediary patches of propylitic alteration. Patchy potassic overprints propylitic and argillic.							
						MD	GN		PRO	2I	Sp	0.1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	GN	PA	PHC	3I	Ak	0.1
						LT	PK		ARG	2I	Py	0.1
									POT	1I		
191.48	191.94	0.46	VEN	MG	Complex multiphase vein breccia. Initial blebby pyrite-bearing quartz veining was then brecciated along with phyllic granodiorite, becoming incorporated into a cream carbonate and tan ankerite rich matrix. The tan ankerite is accompanied by large zoned honey brown sphalerite and blebby galena. Finally, these phases are netted by white calcite veinlets. Localized crustiform textures are found in cream-carbonate and tan ankerite.							
						MD	TN	NE			Py	2
						MD	BR				Ca	20
						LT	GN	ZO			Sp	5
						LT	GY	XL			Gn	2
						LT	CR	BX			Ak	10
191.94	192.89	0.95	GRD	MG	Pervasive phyllic altered granodiorite with 4 crosscutting polymetallic quartz-tan ankerite veins. These veins have a similar composition and formation as the preceding major vein.							
						MD	TN				Sp	1
						LT	GN		PHC	3I	Py	1
											Gn	0.1
192.89	203.73	10.84	GRD	MG	Mostly fresh granodiorite with narrow proximal phyllic and distal argillic halos on white quartz-carbonate veins with trace disseminated pyrite.							
						MD	GY	PA	PHC	2I	Py	0.1
						LT	GN					
203.73	208.35	4.62	GRD	MG	Proximal phyllic and distal argillic halos on quartz-carbonate veins hosting pyrite and zoned honey brown sphalerite. Trace-weak potassic alteration overprints argillic.							
						LT	GN	PA	PHC	3I	Sp	0.1
						LT	WH		ARG	3I	Py	0.1
						LT	PK		POT	2I		
208.35	223.60	15.25	GRD	MG	Mostly fresh granodiorite with narrow proximal phyllic and distal argillic halos on white quartz-carbonate veins with trace disseminated pyrite.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GY	PA	PHC	2I	Py	0.1
						LT	GN					
223.60	227.50	3.90	GRD	MG	Patchy proximal phyllic and distal argillic halos on texturally complex mineralized veins. These tend to host pyrite, with additional honey brown sphalerite and trace arsenopyrite.							
						MD	GY		PHC	3I	Sp	1
						LT	GN	PA	PRO	1I	Py	1
											As	0.1
227.50	227.96	0.46	GRD	MG	Bonus vein zone: Massive tan ankerite veins with zoned honey brown sphalerite, acicular jamesonite/sulphosalts, blebby pyrite, and disseminated-blebby arsenopyrite.							
						MD	TN	MA	PHC	3I	Sp	1
						LT	GN	BN			Py	3
											Jm	2
											As	1
227.96	229.24	1.28	GRD	MG	Phyllic and argillic altered halo related to the bonus vein zone and a narrow gouge vein.							
						LT	GN		PHC	3I	Py	0.1
									ARG	2I		
229.24	232.44	3.20	GRD	MG	Fresh granodiorite with patches of weak-trace propylitic alteration.							
						MD	GY	PA	PRO	1I		
						MD	GN					
232.44	236.73	4.29	GRD	MG	Wide proximal phyllic and distal argillic halos on mineralized quartz-carbonate veins. One vein (232.85m) is a grey chalcedony. At 236.4m, a banded quartz-carbonate polymetallic vein is encountered.							
						MD	GY		ARG	3I		
						LT	GN		PHC	3I	Py	1
						LT	WH		POT	2I		
						LT	PK		PRO	1I		
236.73	242.57	5.84	GRD	MG	Fresh granodiorite with patches of weak-trace propylitic alteration.							
						MD	GY	PA	PRO	1I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GN					
242.57	244.65	2.08	GRD	MG	Proximal phyllic and distal argillic halo on a netted calcite vein. Moderate argillic alted granodiorite is often crumbled and has weak potassic overprint.							
						LT	GN		PHC	3I	Py	0.1
						LT	PK		ARG	3I		
									POT	2I		
244.65	251.46	6.81	GRD	MG	Fresh granodiorite with patches of trace-weak propylitic.							
						MD	GY		PRO	1I		
						MD	GN					
251.46	253.23	1.77	GRD	MG	Narrow proximal phyllic and wide distal argillic halo on a pair of banded quartz-carbonate veins. Potassic alteration overprints the argillic halo.							
						LT	GN		PHC	2I		
						LT	WH		ARG	3I		
						LT	PK		POT	2I		
253.23	255.55	2.32	GRD	MG	Fresh granodiorite with patchy propylitic and potassic alteration.							
						MD	GN	PA	PRO	1I		
						MD	GY		POT	1I		
						LT	PK					
255.55	256.89	1.34	GRD	MG	Moderate proximal phyllic and distal argillic halos on quartz-carbonate veins. Weak potassic-propylitic overprint on argillic halo.							
						LT	GN		PHC	3I		
						LT	WH		ARG	2I		
						LT	PK		POT	1I		
									PRO	1I		
256.89	259.39	2.50	GRD	MG	Granodiorite with patchy propylitic, potassic, trace hematitic, and patchy vein-associated argillic alteration.							
						MD	GY	PA	PRO	2I		
						MD	GN		POT	1I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	PK		HEM	1I		
						LT	RD		ARG	2I		
						LT	WH					
259.39	262.70	3.31	GRD	MG	Patchy moderate argillic, potassic, and propylitic alteration around crumbled fractures. Cut by white quartz-calcite veins.							
						MD	GN		POT	2I		
						LT	PK	PA	PRO	2I		
						LT	WH	MO	ARG	3I		
									CLY	1I		
262.70	265.96	3.26	GRD	MG	Fresh granodiorite with trace pervasive propylitic alteration.							
						MD	GY		PRO	1I		
						MD	GN					
265.96	267.40	1.44	GRD	MG	Moderate pervasive argillic alteration with weak potassic overprint. Mafic xenoliths are intensely altered.							
						MD	PK		POT	2I		
						LT	WH	MO	ARG	3I		
267.40	268.90	1.50	GRD	MG	Patchy trace propylitic alteration.							
						MD	GY		PRO	1I		
						MD	GN					
268.90	273.19	4.29	GRD	MG	Variously overprinted moderate propylitic, weak argillic, and moderate potassic.							
						MD	GN	MO	PRO	3I		
						MD	PK		POT	3I		
						LT	WH		ARG	2I		
273.19	275.85	2.66	GRD	MG	Fresh granodiorite with patches of trace propylitic and potassic.							
						MD	GY	PA	PRO	1I		
						MD	GN		POT	1I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	PK					
275.85	278.12	2.27	GRD	MG	Pervasive phyllic alteration with patches of weak argillic and a pervasive silicified overprint.							
						LT	GN		SIL	3I		
						LT	PK		PHC	3I		
									POT	1I		
									ARG	1I		
278.12	282.58	4.46	GRD	MG	Patchy argillic, propylitic, and pervasive weak potassic alteration.							
						MD	GN		ARG	1I		
						MD	PK		PRO	2I		
						LT	WH	PA	PRO	2I		
282.58	283.28	0.70	GRD	MG	A single proximal phyllic and distal argillic halo on a banded and intergrown quartz-carbonate-rhodochrosite vein with semi-massive pyrite. Blebby arsenopyrite along tan ankerite band.							
						LT	GN		PHC	3I	Py	1
						LT	WH		ARG	1I	As	0.5
283.28	285.34	2.06	GRD	MG	Weak-moderate pervasive propylitic and patchy trace potassic altered granodiorite. Cut by quartz-pyrite stringers with dark green chloritic halos.							
						MD	GN		PRO	3I	Py	0.1
						LT	PK		POT	1I		
285.34	287.23	1.89	GRD	MG	Outer phyllic and argillic halo on main BRX vein zone. Consists of overprinting phyllic, argillic, and potassic alteration.							
						MD	PK	MO	PHC	3I		
						LT	GN		ARG	2I		
									POT	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
287.23	288.12	0.89	VEN	MG	BRX Vein 1: Massive white-dark grey quartz vein with bands of massive pyrite and bands of densely concentrated blebby pyrite. Quartz and pyrite contain some clasts of smoky quartz veinlets with pyrite. All sections of the vein show varying frequency of narrow crosscutting calcite veinlets. Some disseminated-blebby arsenopyrite is found intergrown with pyrite. Blebby-disseminated galena, bands of honey brown sphalerite, and bands of arsenopyrite are found along the lower selvedge where the vein contacts multiphase dyke.							
						MD	BR				As	1
						LT	WH	BN			Py	15
						DK	GY	MA			Py	8
											Sp	2
											Gn	0.5
288.12	288.42	0.30	QFP	FG	Dark-medium grey quartz feldspar porphyry dyke phases are present, thinly interbedded nearest the BRX vein contact, and widening to fragments of dark grey dyke contained in medium grey dyke. Dark grey dyke has paler altered phenocrysts. There is mostly clear-grey chalcedony veinlets that run parallel to dyke banding. There are some chalcedony veinlets that net the banded dykes, running perpendicular to banding. There is an unusual orange staining in some chalcedony that bears a zoned appearance, similar to an agate.							
						MD	GY	BN	HYD	4I		
						DK	GY	PO				
								RX				
								NE				
288.42	292.08	3.66	QFP	FG	Medium grey hydrothermally altered qpfd with pale grey-green altered phenocrysts. Cut by fine calcite stringers and veinlets. Patchy weak silicification.							
						MD	GY	PO	HYD	4I		
								RX	SIL	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
292.08	293.61	1.53	QFP	FG	Light tan phase of quartz feldspar porphyry dyke that grades between dominant tan to a dark maroon in colour. Pervasive strong hydrothermal alteration and lower phenocryst content than previous dyke. Weak clay alteration along upper dyke contact. Light tan is dominant at ends of intervals, with maroon bands concentrated at the centre of the section.							
						MD	TN	BN				
						LT	TN	PO	HYD	5I		
						DK	MR	RX				
293.61	293.91	0.30	BXA	FG	Multiple phases of hydrothermally altered quartz feldspar porphyry dyke brecciated by white quartz-chalcedony. Contains clasts of poorly sorted subrounded dyke, vein, and granodiorite.							
						MD	GY	RX			Sp	0.1
						LT	GY	BX	HYD	5I	Py	1
						LT	WH					
293.91	294.23	0.32	BXA	FG	Mainly significantly mineralized phyllic granodiorite and BRX vein clasts brecciated by white chalcedony-quartz veining. Vein clasts consist of grey quartz hosting blebby-banded honey brown sphalerite, blebby arsenopyrite, blebby to semi-massive pyrite, and blebby-disseminated galena.							
						MD	GY	NE			Gn	0.5
						MD	BR				As	2
						LT	WH				Sp	5
						DK	GY	BX			Py	8
294.23	295.18	0.95	QFP	FG	Light green-grey quartz feldspar porphyry dyke with significant chilled margin at granodiorite contact. Phenocrysts are denser and large with distance from contact. Strong hydrothermal alteration throughout.							
						MD	GY					
						LT	GY	RX				
						LT	GN	PO	HYD	4I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
295.18	295.53	0.35	GRD	MG	Light green strongly phyllic altered granodiorite with disseminated pyrite and a crosscutting mineralized black quartz breccia.							
						LT	GN	BX	PHC	4I	Py	3
						DK	BK				Py	2
295.53	296.04	0.51	VEN	MG	BRX Vein 3: White-light grey-dark grey massive quartz vein with densely packed sulphides between 295.53-295.70m. This first section is dominated by dark grey quartz with densely disseminated-blebby sulphides, which are often intergrown with one another. The main exception to the intergrowth relationships is galena, which tends to form as large blebs and isolated bands. Sphalerite (both blackjack and honey brown, with black jack being dominant), pyrite, and arsenopyrite are all intergrown with one another in large blebby masses. These closely packed sulphides and quartz are weakly netted by fine carbonate stringers. 295.70-296.04m shows blebby pyrite and pyrite vein fragments.							
						MD	BR				As	2
						LT	GY	BX			Py	6
						DK	GY	NE			Sp	4
						DK	BL				Gn	1
296.04	297.95	1.91	GRD	MG	Strongly phyllic altered granodiorite with trace disseminated pyrite in groundmass. Cut by quartz-carbonate veins and veinlets. Localized clay alteration along fractures.							
						LT	GN		PHC	4I	Py	0.1
									CLY	2I		
297.95	302.66	4.71	GRD	MG	Section dominated by a wide distal argillic and narrow proximal phyllic halo on a barren banded quartz-carbonate vein. Argillic is overprinted by moderate potassic alteration and patchy trace propylitic.							
						MD	PK	MO	POT	3I		
						MD	GN		PRO	1I		
						LT	WH	PA	ARG	3I		
						LT	GN		PHC	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
302.66	306.93	4.27	GRD	MG	Granodiorite with trace patchy propylitic, weak patchy potassic and narrow phyllic-argillic vein halos. Cut by two main vein types. One is a set of fine quartz stringers with disseminated pyrite and narrow dark green chloritic halos. The other set is white weakly crustiform quartz-carbonate veinlets.							
						MD	GY	PA	PRO	2I	Py	0.1
						MD	GN		PHC	1I		
						LT	PK					
						LT	GN		POT	1I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
4.50	13.20	8.70	GRD	MG	Fractured, pervasively oxide stained granodiorite with patchy argillic and phyllic alteration. Oxides overprint all other altns. Weak clay alteration along fractures. Trace geothite on 5% of fracture surfaces. Cut by thinly banded quartz-carbonate veins.							
									PHC	2I		
						LT	BN	RB	CLY	2I	Li	2
						MD	BN	FR	OXI	3I	Go	2
						MD	OR	PA	ARG	3I		
13.20	14.24	1.04	GRD	MG	A silicification overprints patchy proximal phyllic-argillic halos on mineralized vein/vein breccia. Vein breccia at 14m Banded quartz-carbonate vein that is crackle brecciated by grey quartz veinlets/stringers. Blebby pyrite is hosted in quartz, and blebby black jack sphalerite along the quartz-carbonate contacts.							
									ARG	2I	Go	2
									PHC	2I	Li	2
						MD	OR		OXI	3I	Py	0.1
						MD	BN	BX	SIL	2I	Sp	0.1
14.24	22.32	8.08	GRD	MG	Fractured, pervasively oxide stained granodiorite with patchy argillic and phyllic alteration. Oxides overprint all other altns. Weak clay alteration along fractures. Trace geothite on 5% of fracture surfaces. Cut by thinly banded quartz-carbonate veins.							
								PA	ARG	3I	Go	1
								FR	OXI	2I	Li	2
									PHC	2I		
22.32	43.50	21.18	GRD	MG	Fractured granodiorite, even rubbly in sections, with semi-pervasive oxide staining and weak clay alteration along fractures. There is patchy argillic around rare carbonate veinlets, and oxide staining is stronger in these patches. There are some rubbly, gouged zones where stronger argillic and oxide staining occur.							
						MD	GY		CLY	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	OR	FR	OXI	3I		
						MD	BN	RB	ARG	1I	Li	5
43.50	113.37	69.87	GRD	MG	Relatively unaltered granodiorite with narrow patches of argillic and weak-moderate oxidation along fractures. Oxide staining disappears with depth. Cut by narrow calcite veinlets accompanied by argillic alteration. Few patches of potassic alteration.							
						MD	GY	FR	ARG	2I		
						MD	BN		OXI	2I		
113.37	116.08	2.71	GRD	MG	Granodiorite with strong crumbling, fracturing, and weak clay alteration along fracture surfaces.							
						LT	GN	FR				
						MD	GY	RB	CLY	2I		
116.08	123.91	7.83	GRD	MG	Zone with patches of varying alterations, quartz-carbonate-pyrite veinlets, and gouge. Alterations are generally narrow proximal phyllic and distal argillic halos on veinlets and around gouge. Weak potassic alteration overprints argillic alteration. There are few narrow patches of propylitic alteration .							
						LT	WH		POT	1I		
						LT	GN	PA	PHC	3I	Py	0.1
						LT	PK	MO	PRO	1I		
						MD	GN		ARG	2I		
123.91	137.80	13.89	GRD	MG	Fresh granodiorite with patchy weak propylitic and potassic.							
						MD	GN	PA	PRO	1I		
						LT	PK					
						MD	GY		POT	1I		
137.80	141.04	3.24	GRD	MG	Granodiorite with patchy phyllic and argillic, with a weakly clay altered section of crumbling. Patchy trace potassic over argillic. Cut by a pair of quartz veinlets with trace disseminated pyrite.							
						LT	PK		POT	1I		
						LT	WH	RB	PHC	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GY		CLY	2I		
						LT	GN	PA	ARG	2I		
141.04	164.11	23.07	GRD	MG	Mostly fresh to trace propylitic altered granodiorite with narrow proximal phyllic and distal argillic halos. These veins are quartz-carbonate hosting disseminated pyrite.							
						LT	GN		POT	1I		
						LT	PK		ARG	2I		
						MD	GY	PA	PHC	2I	Py	0.1
164.11	166.94	2.83	GRD	MG	Rubbly, crumbled fault zone with clay alteration along fractures.							
								RB				
						MD	GY	FR	CLY	2I		
166.94	187.35	20.41	GRD	MG	Mostly fresh granodiorite with narrow proximal phyllic and distal argillic halos on white quartz-carbonate veins with trace disseminated pyrite.							
						LT	GN					
						MD	GY	PA	PHC	2I	Py	0.1
187.35	192.89	5.54	GRD	MG	Bonus vein zone preceding the main BRX vein zone. The quartz veins in this interval are particularly rich in tan ankerite and carry large amounts of zoned honey brown sphalerite. Alteration is patchy proximal phyllic and distal argillic vein halos with intermediary patches of propylitic alteration. Patchy potassic overprints propylitic and argillic.							
									POT	1I		
						MD	GN		PRO	2I	Sp	0.5
						LT	PK		ARG	2I	Py	0.5
						LT	GN	PA	PHC	3I	Ak	1
192.89	223.60	30.71	GRD	MG	Mostly fresh granodiorite with narrow proximal phyllic and distal argillic halos on white quartz-carbonate veins with trace disseminated pyrite.							
						MD	GY	PA	PHC	2I	Py	0.1
						LT	GN					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
223.60	229.24	5.64	GRD	MG	Bonus vein zone: Proximal phyllic and distal argillic halos around several well mineralized quartz-carbonate veins. There are patches of weakly propylitic granodiorite between halos. The bonus veins are dominated by massive ankerite, hosting zoned honey brown sphalerite, acicular jamesonite/sulphosalts, blebby pyrite, and disseminated-blebby arsenopyrite.							
						MD	GY	PA	PHC	3I	Py	2
											Jm	0.1
						LT	GN		ARG	1I	Sp	2
						LT	TN		PRO	1I	As	0.1
229.24	287.23	57.99	GRD	MG	Mostly fresh or weakly propylitic/potassic altered granodiorite with proximal phyllic and distal argillic halos around veins. The veins tend to be white quartz-carbonate with pyrite. Some argillic halos are overprinted by trace-weak potassic alteration.							
						LT	WH		ARG	2I		
						LT	PK		POT	1I		
						LT	GN		PRO	1I		
						MD	GY	PA	PHC	2I	Py	0.1
						MD	GN					
287.23	288.12	0.89	VEN	MG	BRX Vein 1: Massive white-dark grey quartz vein with bands of massive pyrite and bands of densely concentrated blebby pyrite. Quartz and pyrite contain some clasts of smoky quartz veinlets with pyrite. All sections of the vein show varying frequency of narrow crosscutting calcite veinlets. Some disseminated-blebby arsenopyrite is found intergrown with pyrite. Blebby-disseminated galena, bands of honey brown sphalerite, and bands of arsenopyrite are found along the lower selvedge where the vein contacts multiphase dyke.							
						LT	WH	BN			Py	15
											Gn	0.5
											Sp	2
						MD	BR				As	1
						DK	GY	MA			Py	8

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
288.12	293.61	5.49	QFP	FG	Multiple phases of quartz feldspar porphyry dykes, distinguishable by variance in colour and phenocryst content. Overall, dominant dyke is a medium grey with strong pervasive hydrothermal alteration leading to primary texture obliteration. Central section varies from maroon to tan. Several dyke phases are brecciated along upper contact with BRX vein. Patchy weak silicification.							
						MD	TN	RX	SIL	2I		
						DK	MR		CLY	1I		
						MD	GY	PO	HYD	4I		
293.61	294.23	0.62	BXA	FG	BRX Vein 2: Multiphase quartz feldspar porphyry dykes in a light-medium grey, brecciated by white chalcedony-quartz with contains poorly sorted, subrounded clasts of dyke, phyllic granodiorite, and some significant polymetallic BRX vein fragments.							
						DK	GY					
						LT	WH				As	2
						MD	GY	RX	PHC	2I	Sp	2
						LT	GY	BX	HYD	5I	Py	8
294.23	295.18	0.95	QFP	FG	Light green-grey quartz feldspar porphyry dyke with significant chilled margin at granodiorite contact. Phenocrysts are denser and large with distance from contact. Strong hydrothermal alteration throughout.							
						MD	GY					
						LT	GY	RX				
						LT	GN	PO	HYD	4I		
295.18	295.53	0.35	GRD	MG	Light green strongly phyllic altered granodiorite with disseminated pyrite and a crosscutting mineralized black quartz breccia.							
						DK	BK				Py	2
						LT	GN	BX	PHC	4I	Py	3

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
295.53	296.04	0.51	VEN	MG	BRX Vein 3: White-light grey-dark grey massive quartz vein with densely packed sulphides between 295.53-295.70m. This first section is dominated by dark grey quartz with densely disseminated-blebby sulphides, which are often intergrown with one another. The main exception to the intergrowth relationships is galena, which tends to form as large blebs and isolated bands. Sphalerite (both blackjack and honey brown, with black jack being dominant), pyrite, and arsenopyrite are all intergrown with one another in large blebby masses. These closely packed sulphides and quartz are weakly netted by fine carbonate stringers. 295.70-296.04m shows blebby pyrite and pyrite vein fragments.							
						DK	GY	NE			Sp	4
						MD	BR				As	2
						DK	BL				Gn	1
						LT	GY	BX			Py	6
296.04	297.95	1.91	GRD	MG	Strongly phyllic altered granodiorite with trace disseminated pyrite in groundmass. Cut by quartz-carbonate veins and veinlets. Localized clay alteration along fractures.							
						LT	GN		PHC	4I	Py	0.1
									CLY	2I		
297.95	302.66	4.71	GRD	MG	Section dominated by a wide distal argillic and narrow proximal phyllic halo on a barren banded quartz-carbonate vein. Argillic is overprinted by moderate potassic alteration and patchy trace propylitic.							
						LT	WH	PA	ARG	3I		
						MD	PK	MO	POT	3I		
						LT	GN		PHC	2I		
						MD	GN		PRO	1I		
302.66	306.93	4.27	GRD	MG	Granodiorite with trace patchy propylitic, weak patchy potassic and narrow phyllic-argillic vein halos. Cut by two main vein types. One is a set of fine quartz stringers with disseminated pyrite and narrow dark green chloritic halos. The other set is white weakly crustiform quartz-carbonate veinlets.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GY	PA	PRO	2I	Py	0.1
						MD	GN		PHC	1I		
						LT	GN		POT	1I		
						LT	PK					

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
0.00	4.50	4.50	0	0	0.00	0	--	--	--	
4.50	5.18	0.68	0.6	88	0.00	0	--	3H	3W	
5.18	8.23	3.05	2.06	68	0.23	8	--	3H	3W	
8.23	11.28	3.05	2.09	69	0.99	32	--	3H	3W	
11.28	14.33	3.05	2.69	88	2.00	66	--	3H	3W	
14.33	17.37	3.04	2.41	79	1.61	53	--	3H	3W	
17.37	20.42	3.05	2.4	79	1.48	49	--	3H	2W	
20.42	23.47	3.05	2.59	85	1.11	36	--	4H	1W	
23.47	26.52	3.05	1.78	58	0.94	31	--	3H	1W	
26.52	29.57	3.05	1.68	55	0.20	7	--	3H	1W	
29.57	32.61	3.04	1.97	65	1.30	43	--	3H	1W	
32.61	35.66	3.05	2.77	91	1.26	41	--	3H	1W	
35.66	38.71	3.05	2.18	71	0.67	22	--	3H	1W	
38.71	41.76	3.05	2.43	80	0.48	16	--	3H	1W	
41.76	44.81	3.05	1.75	57	0.56	18	--	3H	1W	
44.81	47.85	3.04	2.67	88	1.15	38	--	3H	1W	
47.85	50.90	3.05	2.68	88	1.07	35	--	4H	1W	
50.90	53.95	3.05	2.82	92	1.39	46	--	4H	1W	
53.95	57.00	3.05	2.55	84	1.43	47	--	4H	1W	
57.00	60.05	3.05	2.84	93	2.20	72	--	4H	1W	
60.05	63.09	3.04	3.03	100	2.33	77	--	5H	1W	
63.09	66.14	3.05	2.98	98	2.76	90	--	5H	1W	
66.14	69.19	3.05	2.86	94	1.77	58	--	4H	1W	
69.19	72.24	3.05	2.94	96	1.69	55	--	5H	1W	
72.24	75.29	3.05	2.87	94	1.55	51	--	5H	1W	
75.29	78.33	3.04	3.02	99	1.56	51	--	4H	1W	
78.33	81.38	3.05	2.9	95	2.84	93	--	4H	1W	
81.38	84.43	3.05	3.05	100	2.78	91	--	4H	1W	
84.43	87.43	3.00	2.82	94	2.67	89	--	5H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
87.43	90.53	3.10	2.85	92	1.51	49	--	4H	1W	
90.53	93.57	3.04	2.81	92	1.74	57	--	4H	1W	
93.57	96.62	3.05	2.86	94	1.84	60	--	3H	1W	
96.62	99.67	3.05	2.66	87	0.98	32	--	4H	1W	
99.67	102.71	3.04	2.75	90	1.46	48	--	3H	1W	
102.71	105.76	3.05	3.05	100	1.41	46	--	4H	1W	
105.76	108.81	3.05	2.93	96	1.70	56	--	4H	1W	
108.81	111.86	3.05	2.79	91	2.40	79	--	4H	1W	
111.86	114.91	3.05	2.8	92	0.71	23	--	4H	1W	
114.91	117.96	3.05	2.24	73	1.01	33	--	3H	1W	
117.96	121.00	3.04	2.86	94	1.73	57	--	3H	1W	
121.00	124.05	3.05	2.99	98	1.32	43	--	3H	1W	
124.05	127.10	3.05	3.05	100	2.02	66	--	4H	1W	
127.10	130.15	3.05	3.02	99	2.18	71	--	4H	1W	
130.15	133.20	3.05	2.94	96	2.51	82	--	5H	1W	
133.20	136.25	3.05	3	98	1.41	46	--	4H	1W	
136.25	139.29	3.04	3.04	100	1.15	38	--	3H	1W	
139.29	142.34	3.05	3.02	99	1.47	48	--	4H	1W	
142.34	145.39	3.05	3.04	100	1.75	57	--	4H	1W	
145.39	148.44	3.05	2.99	98	2.34	77	--	4H	1W	
148.44	151.49	3.05	3.03	99	2.59	85	--	4H	1W	
151.49	154.53	3.04	3.04	100	2.15	71	--	5H	1W	
154.53	157.58	3.05	3.02	99	2.28	75	--	5H	1W	
157.58	160.63	3.05	2.91	95	2.43	80	--	5H	1W	
160.63	163.68	3.05	3.01	99	1.96	64	--	3H	1W	
163.68	166.73	3.05	3.05	100	0.28	9	--	3H	1W	
166.73	169.77	3.04	3.02	99	1.22	40	--	4H	1W	
169.77	172.82	3.05	3.05	100	1.83	60	--	4H	1W	
172.82	175.87	3.05	3.01	99	2.73	90	--	4H	1W	
175.87	178.92	3.05	3.03	99	1.87	61	--	4H	1W	
178.92	181.97	3.05	2.91	95	2.18	71	--	3H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
181.97	185.01	3.04	2.98	98	1.63	54	--	4H	1W	
185.01	188.06	3.05	2.92	96	1.55	51	--	4H	1W	
188.06	191.11	3.05	3.05	100	1.17	38	--	4H	1W	
191.11	194.16	3.05	3.03	99	1.46	48	--	4H	1W	
194.16	197.21	3.05	3.05	100	0.96	31	--	4H	1W	
197.21	200.25	3.04	2.89	95	1.55	51	--	4H	1W	
200.25	203.30	3.05	3.05	100	2.14	70	--	4H	1W	
203.30	206.35	3.05	2.96	97	1.48	49	--	4H	1W	
206.35	209.40	3.05	3.01	99	2.40	79	--	3H	1W	
209.40	212.45	3.05	3.05	100	1.49	49	--	4H	1W	
212.45	215.49	3.04	3	99	2.43	80	--	5H	1W	
215.49	218.54	3.05	3.04	100	2.45	80	--	5H	1W	
218.54	221.59	3.05	2.99	98	2.89	95	--	5H	1W	
221.59	224.64	3.05	2.92	96	2.37	78	--	5H	1W	
224.64	227.69	3.05	3.05	100	2.68	88	--	4H	1W	
227.69	230.73	3.04	3.03	100	2.19	72	--	4H	1W	
230.73	233.78	3.05	3.05	100	2.93	96	--	4H	1W	
233.78	236.83	3.05	2.99	98	1.81	59	--	4H	1W	
236.83	239.88	3.05	3	98	2.49	82	--	5H	1W	
239.88	242.93	3.05	2.99	98	2.04	67	--	3H	1W	
242.93	245.97	3.04	2.72	89	0.43	14	--	3H	1W	
245.97	249.02	3.05	2.95	97	1.99	65	--	4H	1W	
249.02	252.07	3.05	2.93	96	1.77	58	--	4H	1W	
252.07	255.12	3.05	2.99	98	2.44	80	--	5H	1W	
255.12	258.17	3.05	3	98	2.23	73	--	4H	1W	
258.17	261.21	3.04	3.04	100	2.25	74	--	3H	1W	
261.21	264.26	3.05	3	98	1.38	45	--	4H	1W	
264.26	267.31	3.05	2.92	96	1.80	59	--	4H	1W	
267.31	270.36	3.05	3.03	99	2.94	96	--	4H	1W	
270.36	273.41	3.05	3	98	3.00	98	--	4H	1W	
273.41	276.45	3.04	3.02	99	3.02	99	--	4H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
276.45	279.50	3.05	3	98	2.26	74	--	4H	1W	
279.50	282.55	3.05	3.03	99	2.30	75	--	4H	1W	
282.55	285.60	3.05	3.01	99	2.65	87	--	4H	1W	
285.60	288.65	3.05	3.05	100	1.80	59	--	3H	1W	
288.65	291.69	3.04	3.04	100	2.28	75	--	4H	1W	
291.69	294.74	3.05	3.02	99	1.60	52	--	3H	1W	
294.74	297.79	3.05	3.05	100	1.70	56	--	3H	1W	
297.79	300.84	3.05	3.05	100	2.41	79	--	3H	1W	
300.84	303.89	3.05	2.98	98	2.88	94	--	4H	1W	
303.89	306.93	3.04	3.04	100	2.68	88	--	4H	1W	

KL-15-254

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
0.00	0.00	0.00	-QC-	0.00	0	R499316	☐	15-056	HG 4		☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R499992	☐	15-038		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R610002	☐	15-038		KL-STD6	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R610006	☐	15-038			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R610019	☐	15-038			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R610023	☐	15-040		KL-STD6	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R610037	☐	15-040			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R610059	☐	15-042		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R610061	☐	15-042			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R499313	☐	15-056	HG 4	ME-140	☐	☐	☐
13.18	13.82	0.64	GRD	0.64	100	R499978	☐	15-035			☐	☐	☐
13.82	14.12	0.30	GRD	0.29	97	R499979	☐	15-035			☐	☐	☐
14.12	15.08	0.96	GRD	0.95	99	R499980	☐	15-035			☐	☐	☐
36.95	37.25	0.30	GRD	0.28	93	R499981	☐	15-035			☐	☐	☐
45.82	47.15	1.33	GRD	1.33	100	R499982	☐	15-035			☐	☐	☐
131.85	132.28	0.43	GRD	0.42	98	R499983	☐	15-035			☐	☐	☐
132.28	134.85	2.57	GRD	2.52	98	R499984	☐	15-035			☐	☐	☐
134.85	136.31	1.46	GRD	1.46	100	R499985	☐	15-038			☐	☐	☐
144.36	144.66	0.30	GRD	0.29	97	R499986	☐	15-038			☐	☐	☐
144.66	145.72	1.06	GRD	1.06	100	R499987	☐	15-038			☐	☐	☐
144.66	145.72	1.06	GRD	1.06	100	R499988	☐	15-038			☐	☑	☐
145.72	146.16	0.44	GRD	0.42	95	R499989	☐	15-038			☐	☐	☐
157.06	157.58	0.52	GRD	0.49	94	R499990	☐	15-038			☐	☐	☐
157.58	158.76	1.18	GRD	1.17	99	R499991	☐	15-038			☐	☐	☐
158.76	159.20	0.44	GRD	0.31	70	R499993	☐	15-038			☐	☐	☐
179.56	180.24	0.68	GRD	0.66	97	R499994	☐	15-038			☐	☐	☐
184.30	184.82	0.52	GRD	0.49	94	R499995	☐	15-038			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
184.82	185.14	0.32	GRD	0.29	91	R499996	☐	15-038			☐	☐	☐
185.14	186.22	1.08	GRD	1.04	96	R499997	☐	15-038			☐	☐	☐
185.14	186.22	1.08	GRD	1.04	96	R499998	☐	15-038			☐	☐	☑
186.22	186.52	0.30	GRD	0.30	100	R499999	☐	15-038			☐	☐	☐
186.52	187.79	1.27	GRD	1.15	91	R500000	☐	15-038			☐	☐	☐
187.79	188.73	0.94	GRD	0.91	97	R610001	☐	15-038			☐	☐	☐
188.73	189.64	0.91	GRD	0.91	100	R610003	☐	15-038			☐	☐	☐
189.64	190.75	1.11	GRD	1.04	94	R610004	☐	15-038			☐	☐	☐
190.75	191.48	0.73	GRD	0.71	97	R610005	☐	15-038			☐	☐	☐
191.48	191.94	0.46	GRD	0.45	98	R499310	☐	15-056	HG 4		☐	☐	☐
191.94	192.59	0.65	GRD	0.65	100	R499311	☐	15-056	HG 4		☐	☐	☐
192.59	192.89	0.30	GRD	0.29	97	R610007	☐	15-038			☐	☐	☐
192.89	194.21	1.32	GRD, GRD	1.24	94	R610008	☐	15-038			☐	☐	☐
194.21	194.51	0.30	GRD	0.30	100	R610009	☐	15-038			☐	☐	☐
194.51	196.08	1.57	GRD	1.48	94	R610010	☐	15-038			☐	☐	☐
196.08	197.34	1.26	GRD	1.19	94	R610011	☐	15-038			☐	☐	☐
197.34	199.46	2.12	GRD	1.93	91	R610012	☐	15-038			☐	☐	☐
199.46	199.90	0.44	GRD	0.36	82	R610013	☐	15-038			☐	☐	☐
199.90	201.64	1.74	GRD	1.74	100	R610014	☐	15-038			☐	☐	☐
201.64	204.05	2.41	GRD	2.41	100	R610015	☐	15-038			☐	☐	☐
204.05	205.22	1.17	GRD	1.16	99	R610016	☐	15-038			☐	☐	☐
205.22	205.93	0.71	GRD	0.50	70	R610017	☐	15-038			☐	☐	☐
205.93	206.51	0.58	GRD	0.58	100	R610018	☐	15-038			☐	☐	☐
206.51	207.50	0.99	GRD	0.98	99	R610020	☐	15-038			☐	☐	☐
221.50	223.60	2.10	GRD	1.96	93	R610042	☐	15-040			☐	☐	☐
223.60	223.92	0.32	GRD, GRD	0.31	97	R610021	☐	15-040			☐	☐	☐
223.92	224.73	0.81	GRD	0.75	93	R610022	☐	15-040			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
224.73	225.45	0.72	GRD	0.72	100	R610024	☐	15-040			☐	☐	☐
225.45	226.69	1.24	GRD	1.24	100	R610025	☐	15-040			☐	☐	☐
226.69	227.50	0.81	GRD	0.79	98	R610026	☐	15-040			☐	☐	☐
227.50	227.96	0.46	GRD	0.46	100	R499312	☐	15-056	HG 4		☐	☐	☐
227.96	228.46	0.50	GRD	0.50	100	R610027	☐	15-040			☐	☐	☐
228.46	229.24	0.78	GRD	0.68	87	R610028	☐	15-040			☐	☐	☐
229.24	230.73	1.49	GRD, GRD	1.47	99	R610029	☐	15-040			☐	☐	☐
229.24	230.73	1.49	GRD, GRD	1.47	99	R610030	☐	15-040			☐	☑	☐
230.73	232.44	1.71	GRD	1.71	100	R610031	☐	15-040			☐	☐	☐
232.44	233.44	1.00	GRD	1.00	100	R610032	☐	15-040			☐	☐	☐
233.44	235.27	1.83	GRD	1.82	99	R610033	☐	15-040			☐	☐	☐
233.44	235.27	1.83	GRD	1.82	99	R610034	☐	15-040			☐	☐	☑
235.27	236.15	0.88	GRD	0.84	95	R610035	☐	15-040			☐	☐	☐
236.15	236.46	0.31	GRD	0.31	100	R610036	☐	15-040			☐	☐	☐
236.46	236.83	0.37	GRD	0.36	97	R610038	☐	15-040			☐	☐	☐
242.57	243.55	0.98	GRD	0.98	100	R610039	☐	15-040			☐	☐	☐
243.55	244.15	0.60	GRD	0.54	90	R610040	☐	15-040			☐	☐	☐
244.15	244.65	0.50	GRD	0.48	96	R610041	☐	15-040			☐	☐	☐
251.52	252.07	0.55	GRD	0.55	100	R610043	☐	15-040			☐	☐	☐
252.07	253.23	1.16	GRD	1.16	100	R610044	☐	15-040			☐	☐	☐
253.23	255.78	2.55	GRD	2.55	100	R610045	☐	15-040			☐	☐	☐
255.78	256.47	0.69	GRD	0.67	97	R610046	☐	15-040			☐	☐	☐
256.47	256.89	0.42	GRD	0.40	95	R610047	☐	15-042			☐	☐	☐
281.86	282.71	0.85	GRD	0.84	99	R610048	☐	15-042			☐	☐	☐
282.71	283.03	0.32	GRD	0.31	97	R499314	☐	15-056	HG 4		☐	☐	☐
283.03	283.93	0.90	GRD	0.90	100	R610049	☐	15-042			☐	☐	☐
283.93	285.34	1.41	GRD	1.40	99	R610050	☐	15-042			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
283.93	285.34	1.41	GRD	1.40	99	R610051	☐	15-042			☐	☑	☐
285.34	286.64	1.30	GRD	1.30	100	R610052	☐	15-042			☐	☐	☐
286.64	287.23	0.59	GRD	0.59	100	R610053	☐	15-042			☐	☐	☐
287.23	288.12	0.89	GRD, VEN	0.83	93	R499315	☐	15-056	HG 4		☐	☐	☐
288.12	288.42	0.30	VEN, QFP	0.29	97	R610054	☐	15-042			☐	☐	☐
288.42	290.12	1.70	QFP	1.56	92	R610055	☐	15-042			☐	☐	☐
290.12	292.08	1.96	QFP	1.83	93	R610056	☐	15-042			☐	☐	☐
292.08	293.61	1.53	QFP	1.53	100	R610057	☐	15-042			☐	☐	☐
293.61	293.91	0.30	QFP, BXA	0.29	97	R499317	☐	15-056	HG 4		☐	☐	☐
293.91	294.23	0.32	BXA	0.32	100	R499318	☐	15-056	HG 4		☐	☐	☐
294.23	295.17	0.94	QFP, BXA	0.87	93	R610058	☐	15-042			☐	☐	☐
295.17	295.53	0.36	QFP	0.35	97	R610060	☐	15-042			☐	☐	☐
295.53	296.01	0.48	VEN, GRD	0.48	100	R499319	☐	15-056	HG 4		☐	☐	☐
296.01	296.56	0.55	VEN	0.52	95	R610062	☐	15-042			☐	☐	☐
296.56	297.95	1.39	GRD	1.39	100	R610063	☐	15-042			☐	☐	☐
297.95	300.51	2.56	GRD, GRD	2.53	99	R610064	☐	15-042			☐	☐	☐
297.95	300.51	2.56	GRD, GRD	2.53	99	R610065	☐	15-042			☐	☐	☑
300.51	302.40	1.89	GRD	1.82	96	R610066	☐	15-042			☐	☐	☐
302.40	303.53	1.13	GRD	1.13	100	R610067	☐	15-042			☐	☐	☐
303.53	305.42	1.89	GRD	1.89	100	R610068	☐	15-042			☐	☐	☐
305.42	306.93	1.51	GRD	1.46	97	R610069	☐	15-042			☐	☐	☐

Klaza - Klaza Project

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		382624	6890299	1366.63	377.04

ZONE: Central Klaza

SECTION:

HOLE: KL-15-255

CLAIM:

Contractor: Platinum

Drill: 2

Core Size: HQ

Casing Depth: 5.95m, Out

Drilling Dates: Jun 30 - Aug 04, 2015

Geology Logged By: D. Walsh

SURVEY			
Depth (m)	Azimuth	Dip	Method
14.32	199.4	-50.4	Reflex
377.03	41.8	-49.6	Reflex

TARGET:

SUMMARY			
From (m)	To (m)	Interval (m)	Rock Type
0	5.95	5.95	CAS
5.95	66.14	60.19	GRD
66.14	100.08	33.94	GRD
100.08	104.5	4.42	GRD
104.5	110.48	5.98	GRD
110.48	129.4	18.92	GRD
129.4	132.75	3.35	GRD
132.75	159.14	26.39	GRD
159.14	164.6	5.46	GRD
164.6	278.27	113.67	GRD
278.27	283.55	5.28	QFP
283.55	284.34	0.79	GRD
284.34	291.11	6.77	QFP
291.11	293.18	2.07	GRD
293.18	294.36	1.18	QFP
294.36	298.52	4.16	GRD

SAMPLES	
Numbers:	R499309, R499320 to R499324, R499623 to R499751
Total:	135
Batch:	036, 039, 041, 043, 044, 056
Certificates:	WH15098461, WH15098463, WH15100419, WH15100426, WH15102117, WH15102145, WH15102149, WH15106373, WH15109554, WH15109580

COMMENTS

298.52	298.92	0.4	VEN
298.92	300.2	1.28	GRD
300.2	302.16	1.96	GRD
302.16	306.78	4.62	GRD
306.78	308.85	2.07	GRD
308.85	312.32	3.47	GRD
312.32	313.99	1.67	GRD
313.99	322.69	8.7	QFP
322.69	324.29	1.6	GRD
324.29	328.56	4.27	GRD
328.56	330.67	2.11	GRD
330.67	355.97	25.3	GRD
355.97	357.61	1.64	GRD
357.61	358.4	0.79	BXA
358.4	361.12	2.72	GRD
361.12	377.04	15.92	GRD

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
5.95	6.38	0.43	GRD	MG	Unaltered granodiorite with moderate oxidation and patchy goethite staining along fracture surfaces. Oxidation intensity decreases with depth. Granodiorite is fairly competent, few fractures or rubbly patches.							
						MD	OR					
						LT	GY		OXI	3I		
6.38	6.81	0.43	GRD	MG	Pervasively oxidized rubbly weak argillic altered granodiorite.							
						MD	OR	RB	OXI	3I		
						MD	GY					
6.81	11.17	4.36	GRD	MG	Unaltered granodiorite with moderate oxidation and patchy goethite staining along fracture surfaces.							
						MD	OR					
						LT	GY		OXI	3I		
11.17	11.71	0.54	GRD	MG	Pervasively oxidized rubbly weak argillic altered granodiorite. Sporadic patches of goethite staining.							
						MD	GY	RB	OXI	3I		
						MD	OR					
						MD	BN					
11.71	56.82	45.11	GRD	MG	Unaltered granodiorite with moderate oxidation and patchy goethite staining along fracture surfaces.							
						MD	OR					
						LT	GY		OXI	3I		
56.82	57.22	0.40	GRD	MG	Moderate phyllic and weak propyllitic envelope surrounding a quartz/carbonate/sulphide vein.							
						MD	GN	EN	PHC	3I		
						DK	GN		PRO	2I		
57.22	57.68	0.46	GRD	MG	Unaltered granodiorite with moderate oxidation along fracture surfaces.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	OR					
						LT	GY		OXI	3I		
57.68	58.18	0.50	GRD	MG	Moderate phyllic and weak propyllitic envelope surrounding a quartz/carbonate/sulphide vein.							
						MD	GN	EN	PHC	3I		
						DK	GN		PRO	2I		
58.18	66.14	7.96	GRD	MG	Unaltered granodiorite with moderate oxidation and patchy goethite staining along fracture surfaces.							
						MD	OR					
						LT	GY		OXI	3I		
66.14	68.76	2.62	GRD	MG	Trace propyllitic/potassic altered granodiorite.							
						MD	GY		PRO	1I		
						MD	PK					
						DK	GN		POT	1I		
68.76	69.56	0.80	GRD	MG	Weak argillic/propyllitic altered granodiorite with two quartz/carbonate veinlets.							
						LT	WH		ARG	2I		
						DK	GN		PRO	2I		
69.56	75.87	6.31	GRD	MG	Trace propyllitic/potassic altered granodiorite.							
						MD	GY		PRO	1I		
						MD	PK					
						DK	GN		POT	1I		
75.87	76.45	0.58	GRD	MG	Moderate propyllitic envelope around a quartz/carbonate/haematite vein. Propyllitic alteration transitions to weak argillic/potassic alteration distally from vein.							
						MD	PK		POT	2I		
						LT	WH		ARG	2I		
						DK	GN	EN	PRO	3I		
76.45	79.96	3.51	GRD	MG	Trace propyllitic/potassic altered granodiorite.							
						MD	PK					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GY		PRO	1I		
						DK	GN		POT	1I		
79.96	80.74	0.78	GRD	MG	Silicified moderate phyllic envelope surrounding a quartz/sulphide vein. Phyllic alteration around vein hosts disseminated pyrite. Phyllic alteration transitions to weak potassic/argillic alteration distally from vein.							
						MD	PK					
						MD	GN		PHC	3I		
						LT	GN	EN	SIL	3I	Py	1
						LT	WH					
80.74	81.72	0.98	GRD	MG	Trace propyllitic/potassic altered granodiorite.							
						MD	GY		PRO	1I		
						MD	PK					
						DK	GN		POT	1I		
81.72	82.30	0.58	GRD	MG	Moderate phyllic alteration hosting multiple quartz/carbonate/pyrite veinlets.							
						MD	GN	EN	PHC	3I		
						LT	GN					
82.30	89.00	6.70	GRD	MG	Trace propyllitic/potassic altered granodiorite.							
						MD	PK					
						MD	GY		PRO	1I		
						DK	GN		POT	1I		
89.00	91.17	2.17	GRD	MG	Moderate phyllic altered granodiorite with patches of weak propyllitic alteration. Hosts multiple quartz/sulphide veins.							
						MD	GN		PRO	2I		
						LT	GN		PHC	3I		
						DK	GN					
91.17	100.08	8.91	GRD	MG	Trace propyllitic/potassic altered granodiorite.							
						MD	PK					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GY		PRO	1I		
						DK	GN		POT	1I		
100.08	104.50	4.42	GRD	MG	Moderate phyllic altered granodiorite with occasional patchy weak potassic/propyllitic/argillic alteration. Hosts multiple quartz/carbonate +/- sulphide veins.							
						MD	GN		PHC	3I		
						LT	GN		PRO	2I		
						LT	WH		POT	2I		
									ARG	2I		
104.50	110.48	5.98	GRD	MG	Moderate potassic/argillic alteration with patches of weak potassic/propyllitic alteration and small moderate phyllic envelopes around quartz/carbonate veining.							
						MD	PK		POT	3I		
						LT	WH	PA	ARG	3I		
						LT	GN		PRO	2I		
						DK	GN		POT	2I		
									PHC	3I		
110.48	115.74	5.26	GRD	MG	Trace to weakly potassic/propyllitic altered granodiorite. Small phyllic envelopes around occasional quartz/carbonate veining.							
						MD	GY		PRO	1I		
						MD	PK		PRO	2I		
						DK	GN		POT	1I		
									POT	2I		
115.74	116.62	0.88	GRD	MG	Weakly potassic and moderately argillic altered granodiorite.							
						MD	PK		ARG	3I		
						LT	WH		POT	2I		
116.62	120.82	4.20	GRD	MG	Trace to weakly potassic/propyllitic altered granodiorite. Small phyllic envelopes around occasional quartz/carbonate veining.							
						MD	PK		PRO	2I		
						MD	GY		PRO	1I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						DK	GN		POT	1I		
									POT	2I		
120.82	125.88	5.06	GRD	MG	Moderate potassic/argillic alteration with patchy weak propyllitic alteration and small moderate phyllic envelopes around occasional quartz/carbonate veining.							
						MD	PK		POT	3I		
						LT	GN		PHC	3I		
						LT	WH		ARG	3I		
						DK	GN		PRO	2I		
125.88	129.40	3.52	GRD	MG	Trace to weakly potassic/propyllitic altered granodiorite.							
						MD	GY		PRO	1I		
						MD	PK		PRO	2I		
						DK	GN		POT	1I		
									POT	2I		
129.40	132.75	3.35	GRD	MG	Moderate phyllic altered granodiorite hosting multiple quartz/carbonate/sulphide veins.							
						MD	GN		PHC	3I		
						LT	GN					
132.75	149.81	17.06	GRD	MG	Trace propyllitic/potassic altered granodiorite.							
						MD	PK					
						LT	GY		PRO	1I		
						DK	GN		POT	1I		
149.81	155.72	5.91	GRD	MG	Alternating patches of weak to moderate phyllic/propyllitic and weak to moderate potassic/argillic alteration. Core has rubbly patches.							
						MD	GN		PHC	3I		
						MD	PK		POT	2I		
						LT	GN	PA	PHC	2I		
						LT	WH		PRO	3I		
						DK	GN		PRO	2I		
									ARG	2I		
									ARG	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
									POT	3I		
155.72	159.14	3.42	GRD	MG	Trace propyllitic/potassic altered granodiorite.							
						MD	PK					
						LT	GY		PRO	1I		
						DK	GN		POT	1I		
159.14	164.60	5.46	GRD	MG	Moderate phyllic altered granodiorite with patchy weak propyllitic alteration. Hosts a quartz/carbonate/massive sulphide vein near the end of the interval.							
						MD	GN		PRO	2I		
						LT	GN		PHC	3I		
						DK	GN					
164.60	178.92	14.32	GRD	MG	Trace propyllitic/potassic altered granodiorite.							
						LT	GY		PRO	1I		
									POT	1I		
178.92	179.47	0.55	GRD	MG	Silicified moderately phyllic alteration envelope surrounding a polymetallic quartz/carbonate vein.							
						MD	GN		PHC	3I		
						LT	GN	EN	SIL	3I		
179.47	197.84	18.37	GRD	MG	Trace propyllitic/potassic altered granodiorite.							
						LT	GY		PRO	1I		
									POT	1I		
197.84	198.37	0.53	GRD	MG	Silicified moderately phyllic alteration envelope surrounding a polymetallic quartz/carbonate vein.							
						MD	GN		PHC	3I		
						LT	GN	EN	SIL	3I		
198.37	204.59	6.22	GRD	MG	Trace propyllitic/potassic altered granodiorite.							
						LT	GY		PRO	1I		
									POT	1I		
204.59	205.16	0.57	GRD	MG	Moderate phyllic envelope around a polymetallic quartz vein. Phyllic alteration transitions to weak potassic and moderate argillic alteration.							
						MD	PK					
						MD	GN		ARG	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	GN	EN	PHC	3I		
						LT	WH		POT	2I		
205.16	208.32	3.16	GRD	MG	Silicified moderate phyllic altered granodiorite with patchy weak propyllitic alteration. Occasional partial to strong gouge alteration of core. Sporadic quartz +/- carbonate veining.							
						MD	GN		PHC	3I		
						LT	GN		ARG	2I		
						DK	GN					
208.32	220.52	12.20	GRD	MG	Trace propyllitic/potassic altered granodiorite.							
						LT	GY		PRO	1I		
									POT	1I		
220.52	223.23	2.71	GRD	MG	Moderate propyllitic, weak potassic/argillic altered granodiorite with small moderate phyllic envelopes around quartz/carbonate veining.							
						MD	GN		POT	2I		
						MD	PK					
						LT	WH		ARG	2I		
						LT	GN		PHC	3I		
						DK	GN		PRO	3I		
223.23	228.28	5.05	GRD	MG	Trace propyllitic/potassic altered granodiorite.							
						LT	GY		PRO	1I		
									POT	1I		
228.28	228.89	0.61	GRD	MG	Moderate phyllic and weak argillic altered granodiorite hosting multiple quartz/carbonate veinlets.							
						MD	GN		PHC	3I		
						LT	WH					
						LT	GN		ARG	2I		
228.89	235.48	6.59	GRD	MG	Trace propyllitic/potassic altered granodiorite.							
						LT	GY		PRO	1I		
									POT	1I		
235.48	237.40	1.92	GRD	MG	Weakly propyllitic and potassic overprinted moderate argillic altered granodiorite.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	PK		PRO	2I		
						LT	WH		ARG	2I		
						DK	GN		POT	2I		
237.40	239.49	2.09	GRD	MG	Trace propyllitic/potassic altered granodiorite.							
						LT	GY		PRO	1I		
									POT	1I		
239.49	240.61	1.12	GRD	MG	Moderately argillic altered granodiorite with a weak potassic/propyllitic overprint.							
						MD	PK		PRO	2I		
						LT	WH		ARG	3I		
						DK	GN		POT	2I		
240.61	241.24	0.63	GRD	MG	Silicified moderately phyllic/propyllitic altered granodiroite hosting a few quartz/carbonate veins and veinlets.							
						MD	GN		PRO	3I		
						LT	GN		PHC	3I		
						DK	GN					
241.24	263.01	21.77	GRD	MG	Trace propyllitic/potassic altered granodiorite.							
						LT	GY		PRO	1I		
									POT	1I		
263.01	264.44	1.43	GRD	MG	Moderately phyllic altered granodiorite with patchy weak to moderate propyllitic alteration. Hosts a polymetallic quartz/carbonate vein and multiple quartz pyrite veinlets.							
						MD	GN		PHC	3I		
						LT	GN		PRO	2I		
						DK	GN		PRO	3I		
264.44	278.27	13.83	GRD	MG	Trace propyllitic/potassic altered granodiorite.							
						LT	GY		PRO	1I		
									POT	1I		
278.27	283.55	5.28	QFP	FG	Light to medium grey/green quartz feldspar porphyry dyke.							
						MD	GN					
						MD	GY					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	GY	PO				
						LT	GN					
283.55	284.34	0.79	GRD	MG	Weakly potassic/propyllitic altered granodiorite.							
						MD	GY		PRO	2I		
						MD	PK		POT	2I		
						DK	GN					
284.34	291.11	6.77	QFP	FG	Medium grey/green quartz feldspar porphyry dyke.							
						MD	GY	PO				
						MD	GN					
291.11	293.18	2.07	GRD	MG	Alternating patches of moderate propyllitic, weak argillic potassic alteration transition to weak propyllitic moderate phyllic alteration with proximity to lower dyke contact. Last 21cm of interval are a gouge altered smoky quartz sulphide breccia.							
						MD	PK		ARG	2I		
						LT	GN		PHC	3I		
						LT	WH		PRO	3I		
						DK	GN		PRO	3I		
									POT	2I		
293.18	294.36	1.18	QFP	MG	Light grey quartz feldspar porphyry dyke.							
						LT	GY	PO				
294.36	298.52	4.16	GRD	MG	Moderate phyllic altered granodiorite with patchy weak propylitic alteration and weak argillic/potassic alteration.							
						MD	PK					
						MD	GN		PRO	2I		
						LT	WH		ARG	2I		
						LT	GN		PHC	3I		
						DK	GN		POT	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
298.52	298.92	0.40	VEN	--	Multiphase Central Klaza Zone vein. Vein is made up of three parts. The first is 12cm of grey to smoky quartz vein hosting disseminated to blebby pyrite and arsenopyrite. The second part is 6cm of tan ankerite vein hosting disseminated to blebby pyrite, sphalerite and galena. The third part is 22cm of weakly gouge altered grey to smoky quartz breccia with sand to pebble sized clasts of quartz, ankerite and phyllic altered granodiorite that hosts disseminated pyrite. Breccia is cut bay 0.5cm orange/brown chalcedony vein let oriented @ 60 degrees TCA.							
								BX			Py	15
											Sp	3
											As	3
											Gn	3
298.92	300.20	1.28	GRD	MG	Silicified moderately propyllitic/phyllic altered granodiorite.							
						MD	GN		SIL	3I		
						LT	GN		PHC	3I		
						DK	GN		PRO	3I		
300.20	302.16	1.96	GRD	MG	Weakly potassic/propyllitic altered granodiorite.							
						MD	GY		PRO	2I		
						MD	PK		POT	2I		
						DK	GN					
302.16	306.78	4.62	GRD	MG	Moderate phyllic altered granodiorite with patchy weak to moderate propyllitic alteration. Interval contains patches of partial gouge alteration.							
						MD	GN		PHC	3I		
						LT	GN		PRO	3I		
						LT	GY					
						DK	GN		PRO	2I		
306.78	308.85	2.07	GRD	MG	Silicified alternating patches of weak propyllitic potassic alteration and weak to moderate phyllic/propyllitic alteration.							
						MD	GY	PA	PHC	3I		
						MD	PK		PRO	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	GN		PRO	2I		
						DK	GN		PHC	2I		
									POT	2I		
									SIL	3I		
308.85	312.32	3.47	GRD	MG	Stongly silicified, moderate to strongly propyllitic altered granodiorite.							
						DK	GN		PRO	3I		
									PRO	4I		
									SIL	4I		
312.32	313.99	1.67	GRD	MG	Weak propyllitic/potassic alteration transitioning to moderate phyllic propyllitic alteration with proximity to dyke contact.							
						MD	GY		PRO	2I		
						MD	PK		POT	2I		
						LT	GN		PHC	3I		
						DK	GN		PRO	3I		
313.99	322.69	8.70	QFP	FG	Quartz feldspar porphyry dyke starts off as light grey/tan and transitions to medium grey/green in color.							
						MD	GY					
						MD	GN					
						LT	GY	PO				
						LT	TN					
322.69	324.29	1.60	GRD	MG	Weakly potassic/propyllitic altered granodiorite. Granodiorite its weakly potassic/propyllitic overprinted weak argillic proximal to dyke contact.							
						MD	GY		PRO	2I		
						MD	PK		ARG	2I		
						LT	WH					
						DK	GN		POT	2I		
324.29	328.56	4.27	GRD	MG	Moderate to strongly silicified moderate to strongly propyllitic altered granodiorite with patchy moderate phyllic alteration.							
						MD	GY		SIL	3I		
						LT	GN		SIL	4I		
						DK	GN		PHC	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
									PRO	4I		
									PRO	3I		
328.56	330.67	2.11	GRD	MG	Weak to moderately phyllic/propyllitic altered granodiorite.							
						MD	GN		PHC	2I		
						LT	GN		PHC	3I		
						DK	GN		PRO	2I		
									PRO	3I		
330.67	335.15	4.48	GRD	MG	Weak to moderately silicified weak potassic/propyllitic altered granodiorite.							
						MD	GY		PRO	2I		
						MD	PK		SIL	2I		
						DK	GN		POT	2I		
									SIL	3I		
335.15	336.80	1.65	GRD	MG	Strongly silicified moderate propyllitic envelope around a chlorite/hematite stained quartz/carbonate vein. Silicified propyllitic alteration transitions to silicified phyllic overprinted argillic alteration distally from vein.							
						MD	GY		SIL	3I		
						LT	GN		PRO	3I		
						DK	GN	EN	SIL	4I		
									PHC	3I		
									ARG	2I		
336.80	339.20	2.40	GRD	MG	Silicified moderately propyllitic altered granodiorite with sporadic hematite staining along fracture surfaces.							
						MD	GY		PRO	3I	He	1
						DK	GN		SIL	3I		
									SIL	4I		
339.20	342.63	3.43	GRD	MG	Silicified alternating patches of moderate potassic/propyllitic alteration and moderate phyllic alteration.							
						MD	GY	PA	PRO	3I		
						MD	PK		PHC	3I		
						LT	GN		SIL	3I		
						DK	GN		POT	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
342.63	348.82	6.19	GRD	MG	Weak to moderately silicified weak potassic/propyllitic altered granodiorite.							
						MD	GY		PRO	2I		
						MD	PK		SIL	2I		
						DK	GN		POT	2I		
									SIL	3I		
348.82	352.95	4.13	GRD	MG	Moderately phyllic altered granodiorite with patchy weak propyllitic alteration. Hosts multiple quartz/carbonate +/- sulphide veins.							
						LT	GN		PHC	3I		
									PRO	2I		
352.95	354.05	1.10	GRD	MG	Weak to moderately silicified weak potassic/propyllitic altered granodiorite.							
						MD	GY		PRO	2I		
						MD	PK		SIL	2I		
						DK	GN		POT	2I		
									SIL	3I		
354.05	355.15	1.10	GRD	MG	Moderately phyllic altered granodiorite with patchy weak propyllitic alteration. Hosts multiple quartz/carbonate +/- sulphide veins.							
						LT	GN		PHC	3I		
									PRO	2I		
355.15	355.97	0.82	GRD	MG	Weak to moderately silicified weak potassic/propyllitic altered granodiorite.							
						MD	GY		PRO	2I		
						MD	PK		SIL	2I		
						DK	GN		POT	2I		
									SIL	3I		
355.97	357.61	1.64	GRD	MG	Moderately phyllic altered granodiorite hosting multiple quartz/carbonate +/-sulphide veins.							
						LT	GN		PHC	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
357.61	358.40	0.79	BXA	--	Multiphase Central Klaza zone breccia. There appears to be five phases of the breccia. The first is a massive pyrite/arsenopyrite phase. The second phase is the emplacement of a tan ankerite vein along the lower selvedge with associated sphalerite and galena. The galena is found interstitial to the arsenopyrite. The third phase is smoky quartz which brecciates the first two phases. The fourth phase is brecciation by chalcedony/jasper. The upper portion of the breccia is brecciated by light grey chalcedony and the lower half of the breccia is brecciated by dark grey and deep red chalcedony/jasper. The final phase id weak brecciation by white carbonate stringers throughout the interval.							
								BX			As	15
											Sp	3
											Py	10
											Gn	5
358.40	361.12	2.72	GRD	MG	Moderately phyllic altered granodiorite. Host a few quartz/carbonate/sulphide veins							
						LT	GN		PHC	3I		
361.12	361.41	0.29	GRD	MG	Weakly potassic/propyllitic altered granodiorite.							
						MD	PK					
						MD	GY		PRO	2I		
						DK	GN		POT	2I		
361.41	363.36	1.95	GRD	MG	Moderately phyllic altered granodiorite hosting disseminated pyrite. Rock textures are significantly obliterated for most of the interval by fluids(?) and silica flooding. Obliterated portions hosts disseminated pyrite. Hosts multiple quartz/carbonate/sulphide veins.							
									PHC	3I	Py	5
363.36	368.39	5.03	GRD	MG	Weakly potassic/propyllitic altered granodiorite.							
						MD	GY					
						MD	PK		PRO	2I		
						DK	GN		POT	2I		
368.39	369.39	1.00	GRD	MG	Moderately potassic/propyllitic altered granodiorite.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	PK					
						MD	GY		PRO	3I		
						DK	GN		POT	3I		
369.39	370.49	1.10	GRD	MG	Silicified moderately propyllitic altered granodiorite.							
						MD	GY		PRO	3I		
						DK	GN		SIL	3I		
370.49	370.90	0.41	GRD	MG	Patch of moderate phyllic alteration.							
						LT	GN		PHC	3I		
370.90	377.04	6.14	GRD	MG	Weakly potassic/propyllitic altered granodiorite.							
						MD	PK					
						MD	GY		PRO	2I		
						DK	GN		POT	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
5.95	66.14	60.19	GRD	MG	Unaltered granodiorite with moderate oxidation and patchy goethite staining along fracture surfaces. Oxidation intensity decreases with depth. Granodiorite is fairly competent, few fractures or rubbly patches.							
						LT	GY		OXI	3I		
						MD	OR					
66.14	100.08	33.94	GRD	MG	Trace propyllitic/potassic altered granodiorite.							
						MD	PK					
						DK	GN		POT	1I		
						MD	GY		PRO	1I		
100.08	104.50	4.42	GRD	MG	Moderate phyllic altered granodiorite with occasional patchy weak potassic/propyllitic/argillic alteration. Hosts multiple quartz/carbonate +/- sulphide veins.							
						LT	GN		PRO	2I		
						LT	WH		POT	2I		
									ARG	2I		
						MD	GN		PHC	3I		
104.50	110.48	5.98	GRD	MG	Moderate potassic/argillic alteration with patches of weak potassic/propyllitic alteration and small moderate phyllic envelopes around quartz/carbonate veining.							
									PHC	3I		
						LT	GN		PRO	2I		
						DK	GN		POT	2I		
						LT	WH	PA	ARG	3I		
						MD	PK		POT	3I		
110.48	129.40	18.92	GRD	MG	Trace to weakly potassic/propyllitic altered granodiorite. Small phyllic envelopes around occasional quartz/carbonate veining.							
									POT	2I		
						MD	PK		PRO	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GY		PRO	1I		
						DK	GN		POT	1I		
129.40	132.75	3.35	GRD	MG	Moderate phyllic altered granodiorite hosting multiple quartz/carbonate/sulphide veins.							
						MD	GN		PHC	3I		
						LT	GN					
132.75	159.14	26.39	GRD	MG	Trace propyllitic/potassic altered granodiorite.							
						DK	GN		POT	1I		
						LT	GY		PRO	1I		
						MD	PK					
159.14	164.60	5.46	GRD	MG	Moderate phyllic altered granodiorite with patchy weak propyllitic alteration. Hosts a quartz/carbonate/massive sulphide vein near the end of the interval.							
						LT	GN		PHC	3I		
						DK	GN					
						MD	GN		PRO	2I		
164.60	278.27	113.67	GRD	MG	Trace propyllitic/potassic altered granodiorite. Moderate phyllic envelopes around quartz/carbonate +/- sulphide veining.							
						LT	GY		PRO	1I		
									POT	1I		
278.27	283.55	5.28	QFP	FG	Light to medium grey/green quartz feldspar porphyry dyke.							
						MD	GN					
						LT	GY	PO				
						MD	GY					
						LT	GN					
283.55	284.34	0.79	GRD	MG	Weakly potassic/propyllitic altered granodiorite.							
						DK	GN					
						MD	GY		PRO	2I		
						MD	PK		POT	2I		
284.34	291.11	6.77	QFP	FG	Medium grey/green quartz feldspar porphyry dyke.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GY	PO				
						MD	GN					
291.11	293.18	2.07	GRD	MG	Alternating patches of moderate propyllitic, weak argillic potassic alteration transition to weak propyllitic moderate phyllic alteration with proximity to lower dyke contact. Last 21cm of interval are a gouge altered smoky quartz sulphide breccia.							
						LT	GN	PA	PHC	3I		
						LT	WH		PRO	3I		
						DK	GN		PRO	3I		
						MD	PK		ARG	2I		
									POT	2I		
293.18	294.36	1.18	QFP	MG	Light grey quartz feldspar porphyry dyke.							
						LT	GY	PO				
294.36	298.52	4.16	GRD	MG	Moderate phyllic altered granodiorite with patchy weak propylitic alteration and weak argillic/potassic alteration.							
						MD	PK					
						LT	GN		PHC	3I		
						LT	WH		ARG	2I		
						DK	GN		POT	2I		
						MD	GN		PRO	2I		
298.52	298.92	0.40	VEN	--	Multiphase Central Klaza Zone vein. Vein is made up of three parts. The first is 12cm of grey to smoky quartz vein hosting disseminated to blebby pyrite and arsenopyrite. The second part is 6cm of tan ankerite vein hosting disseminated to blebby pyrite, sphalerite and galena. The third part is 22cm of weakly gouge altered grey to smoky quartz breccia with sand to pebble sized clasts of quartz, ankerite and phyllic altered granodiorite that hosts disseminated pyrite. Breccia is cut bay 0.5cm orange/brown chalcedony vein let oriented @ 60 degrees TCA.							
											Sp	3
								BX			Py	15
											Gn	3

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
											As	3
298.92	300.20	1.28	GRD	MG	Silicified moderately propyllitic/phyllic altered granodiorite.							
						DK	GN		PRO	3I		
						LT	GN		PHC	3I		
						MD	GN		SIL	3I		
300.20	302.16	1.96	GRD	MG	Weakly potassic/propyllitic altered granodiorite.							
						MD	GY		PRO	2I		
						MD	PK		POT	2I		
						DK	GN					
302.16	306.78	4.62	GRD	MG	Moderate phyllic altered granodiorite with patchy weak to moderate propyllitic alteration. Interval contains patches of partial gouge alteration.							
						MD	GN		PHC	3I		
						LT	GN		PRO	3I		
						DK	GN		PRO	2I		
						LT	GY					
306.78	308.85	2.07	GRD	MG	Silicified alternating patches of weak propyllitic potassic alteration and weak to moderate phyllic/propyllitic alteration.							
						MD	GY	PA	PHC	3I		
						DK	GN		PHC	2I		
						LT	GN		PRO	2I		
						MD	PK		PRO	3I		
									POT	2I		
									SIL	3I		
308.85	312.32	3.47	GRD	MG	Stongly silicified, moderate to strongly propyllitic altered granodiorite.							
									PRO	4I		
						DK	GN		PRO	3I		
									SIL	4I		
312.32	313.99	1.67	GRD	MG	Weak propyllitic/potassic alteration transitioning to moderate phyllic propyllitic alteration with proximity to dyke contact.							
						MD	GY		PRO	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	PK		POT	2I		
						DK	GN		PRO	3I		
						LT	GN		PHC	3I		
313.99	322.69	8.70	QFP	FG	Quartz feldspar porphyry dyke starts off as light grey/tan and transitions to medium grey/green in color.							
						MD	GN					
						MD	GY					
						LT	GY	PO				
						LT	TN					
322.69	324.29	1.60	GRD	MG	Weakly potassic/propyllitic altered granodiorite. Granodiorite its weakly potassic/propyllitic overprinted weak argillic proximal to dyke contact.							
						MD	GY		PRO	2I		
						MD	PK		ARG	2I		
						LT	WH					
						DK	GN		POT	2I		
324.29	328.56	4.27	GRD	MG	Moderate to strongly silicified moderate to strongly propyllitic altered granodiorite with patchy moderate phyllic alteration.							
						DK	GN		PHC	3I		
						MD	GY		SIL	3I		
						LT	GN		SIL	4I		
									PRO	3I		
									PRO	4I		
328.56	330.67	2.11	GRD	MG	Weak to moderately phyllic/propyllitic altered granodiorite.							
									PRO	3I		
						LT	GN		PHC	3I		
						DK	GN		PRO	2I		
						MD	GN		PHC	2I		
330.67	355.97	25.30	GRD	MG	Weak to moderately silicified weak potassic/propyllitic altered granodiorite.							
						MD	PK		SIL	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GY		PRO	2I		
						DK	GN		POT	2I		
									SIL	3I		
355.97	357.61	1.64	GRD	MG	Moderately phyllic altered granodiorite hosting multiple quartz/carbonate +/-sulphide veins.							
						LT	GN		PHC	3I		
357.61	358.40	0.79	BXA	--	Polymictic Central Klaza zone breccia. There appears to be five phases of the breccia. The first is a massive pyrite/arsenopyrite phase. The second phase is the emplacement of a tan ankerite vein along the lower selvedge with associated sphalerite and galena. The galena is found interstitial to the arsenopyrite. The third phase is smoky quartz which brecciates the first two phases. The fourth phase is brecciation by chalcedony/jasper. The upper portion of the breccia is brecciated by light grey chalcedony and the lower half of the breccia is brecciated by dark grey and deep red chalcedony/jasper. The final phase id weak brecciation by white carbonate stringers throughout the interval.							
											Py	10
											Gn	5
											Sp	3
								BX			As	15
358.40	361.12	2.72	GRD	MG	Moderately phyllic altered granodiorite. Host a few quartz/carbonate/sulphide veins							
						LT	GN		PHC	3I		
361.12	377.04	15.92	GRD	MG	Weakly potassic/propyllitic altered granodiorite.							
						DK	GN		POT	2I		
						MD	PK					
						MD	GY		PRO	2I		

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
0.00	5.95	5.95	0	0	0.00	0	--	--	--	
5.95	8.23	2.28	2.08	91	1.19	52	--	3H	3W	
8.23	11.28	3.05	2.82	92	1.84	60	--	3H	2W	
11.28	14.33	3.05	2.88	94	2.21	72	--	3H	2W	
14.33	17.37	3.04	2.95	97	2.52	83	--	4H	2W	
17.37	20.42	3.05	2.93	96	1.87	61	--	4H	1W	
20.42	23.47	3.05	2.85	93	2.38	78	--	5H	1W	
23.47	26.52	3.05	2.94	96	2.39	78	--	5H	1W	
26.52	29.57	3.05	3.03	99	2.35	77	--	5H	1W	
29.57	32.61	3.04	2.9	95	1.84	61	--	3H	1W	
32.61	35.66	3.05	2.96	97	1.86	61	--	4H	1W	
35.66	38.71	3.05	2.86	94	2.52	83	--	4H	1W	
38.71	41.76	3.05	2.96	97	2.58	85	--	4H	1W	
41.76	44.81	3.05	3.05	100	2.82	92	--	5H	1W	
44.81	47.85	3.04	3.04	100	2.46	81	--	5H	1W	
47.85	50.90	3.05	2.88	94	2.54	83	--	4H	1W	
50.90	53.95	3.05	3	98	2.46	81	--	4H	1W	
53.95	57.00	3.05	2.81	92	2.21	72	--	4H	1W	
57.00	60.04	3.04	2.82	93	2.16	71	--	4H	1W	
60.04	63.09	3.05	3.05	100	2.60	85	--	5H	1W	
63.09	66.14	3.05	3.01	99	1.76	58	--	4H	1W	
66.14	69.19	3.05	3.02	99	2.83	93	--	4H	1W	
69.19	72.24	3.05	2.94	96	2.47	81	--	4H	1W	
72.24	75.28	3.04	2.96	97	2.49	82	--	4H	1W	
75.28	78.33	3.05	2.93	96	2.43	80	--	4H	1W	
78.33	81.38	3.05	3.04	100	3.04	100	--	4H	1W	
81.38	84.43	3.05	2.86	94	2.62	86	--	4H	1W	
84.43	87.48	3.05	2.94	96	2.79	91	--	5H	1W	
87.48	90.53	3.05	3.03	99	2.57	84	--	4H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
90.53	93.57	3.04	3.03	100	2.56	84	--	5H	1W	
93.57	96.62	3.05	2.91	95	2.71	89	--	5H	1W	
96.62	99.67	3.05	2.88	94	1.85	61	--	5H	1W	
99.67	102.72	3.05	3	98	2.46	81	--	4H	1W	
102.72	105.77	3.05	3.05	100	1.89	62	--	5H	1W	
105.77	108.81	3.04	3.03	100	2.08	68	--	4H	1W	
108.81	111.86	3.05	2.98	98	2.39	78	--	4H	1W	
111.86	114.91	3.05	2.92	96	2.31	76	--	5H	1W	
114.91	117.96	3.05	2.98	98	2.30	75	--	5H	1W	
117.96	121.01	3.05	3.04	100	2.38	78	--	5H	1W	
121.01	124.05	3.04	2.97	98	1.99	65	--	3H	1W	
124.05	127.10	3.05	2.88	94	2.43	80	--	3H	1W	
127.10	130.15	3.05	3	98	2.74	90	--	4H	1W	
130.15	133.20	3.05	2.98	98	2.68	88	--	4H	1W	
133.20	136.25	3.05	2.98	98	2.92	96	--	4H	1W	
136.25	139.29	3.04	2.99	98	2.70	89	--	4H	1W	
139.29	142.34	3.05	2.9	95	2.76	90	--	5H	1W	
142.34	145.39	3.05	3.03	99	2.80	92	--	4H	1W	
145.39	148.44	3.05	3.04	100	2.95	97	--	4H	1W	
148.44	151.49	3.05	3	98	1.30	43	--	3H	1W	
151.49	154.53	3.04	2.76	91	0.75	25	--	3H	1W	
154.53	157.58	3.05	2.96	97	0.73	24	--	3H	1W	
157.58	160.63	3.05	3.04	100	1.58	52	--	3H	1W	
160.63	163.68	3.05	2.88	94	1.40	46	--	3H	1W	
163.68	166.73	3.05	3.03	99	2.11	69	--	4H	1W	
166.73	169.77	3.04	3.04	100	3.04	100	--	5H	1W	
169.77	172.82	3.05	3.03	99	2.98	98	--	5H	1W	
172.82	175.87	3.05	3.02	99	2.83	93	--	5H	1W	
175.87	178.92	3.05	3.01	99	2.19	72	--	5H	1W	
178.92	181.97	3.05	3.03	99	3.01	99	--	4H	1W	
181.97	185.01	3.04	3	99	2.56	84	--	5H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
185.01	188.06	3.05	3.05	100	2.79	91	--	5H	1W	
188.06	191.11	3.05	2.98	98	2.62	86	--	5H	1W	
191.11	194.16	3.05	3.05	100	2.86	94	--	5H	1W	
194.16	197.21	3.05	3.01	99	3.01	99	--	5H	1W	
197.21	200.25	3.04	2.99	98	1.78	59	--	4H	1W	
200.25	203.30	3.05	3.04	100	2.58	85	--	5H	1W	
203.30	206.35	3.05	3.05	100	2.39	78	--	4H	1W	
206.35	209.40	3.05	3.04	100	2.20	72	--	4H	1W	
209.40	212.45	3.05	2.98	98	2.61	86	--	3H	1W	
212.45	215.49	3.04	3.04	100	2.28	75	--	4H	1W	
215.49	218.54	3.05	2.97	97	2.67	88	--	4H	1W	
218.54	221.59	3.05	2.97	97	2.24	73	--	4H	1W	
221.59	224.64	3.05	3.02	99	2.87	94	--	4H	1W	
224.64	227.69	3.05	2.96	97	2.56	84	--	5H	1W	
227.69	230.73	3.04	2.95	97	2.53	83	--	5H	1W	
230.73	233.78	3.05	3.03	99	2.78	91	--	5H	1W	
233.78	236.83	3.05	2.96	97	2.47	81	--	4H	1W	
236.83	239.88	3.05	2.98	98	2.58	85	--	5H	1W	
239.88	242.93	3.05	2.98	98	2.76	90	--	4H	1W	
242.93	245.97	3.04	3.04	100	2.54	84	--	4H	1W	
245.97	249.02	3.05	3.02	99	2.43	80	--	5H	1W	
249.02	252.07	3.05	3.03	99	1.23	40	--	5H	1W	
252.07	255.12	3.05	2.89	95	1.80	59	--	5H	1W	
255.12	258.17	3.05	2.95	97	1.72	56	--	5H	1W	
258.17	261.21	3.04	3.04	100	1.24	41	--	5H	1W	
261.21	264.26	3.05	3.05	100	1.70	56	--	4H	1W	
264.26	267.31	3.05	3.03	99	1.28	42	--	4H	1W	
267.31	270.36	3.05	2.9	95	2.12	70	--	5H	1W	
270.36	273.41	3.05	2.97	97	1.87	61	--	5H	1W	
273.41	276.45	3.04	3	99	2.69	88	--	5H	1W	
276.45	279.50	3.05	3.01	99	1.32	43	--	4H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
279.50	282.55	3.05	2.98	98	2.40	79	--	4H	1W	
282.55	285.60	3.05	3.05	100	1.78	58	--	4H	1W	
285.60	288.65	3.05	2.79	91	1.63	53	--	4H	1W	
288.65	291.69	3.04	3.04	100	1.65	54	--	4H	1W	
291.69	294.74	3.05	3.03	99	2.43	80	--	4H	1W	
294.74	297.79	3.05	3.05	100	2.31	76	--	4H	1W	
297.79	300.84	3.05	2.95	97	1.85	61	--	4H	1W	
300.84	303.89	3.05	3.04	100	2.21	72	--	3H	1W	
303.89	306.93	3.04	3	99	2.30	76	--	4H	1W	
306.93	309.98	3.05	3.05	100	1.84	60	--	4H	1W	
309.98	313.03	3.05	3.03	99	1.48	49	--	4H	1W	
313.03	316.08	3.05	3.02	99	2.50	82	--	4H	1W	
316.08	319.13	3.05	3.03	99	2.59	85	--	4H	1W	
319.13	322.17	3.04	3.04	100	2.68	88	--	4H	1W	
322.17	325.22	3.05	2.96	97	1.87	61	--	4H	1W	
325.22	328.27	3.05	2.99	98	0.97	32	--	4H	1W	
328.27	331.32	3.05	2.91	95	1.18	39	--	3H	1W	
331.32	334.37	3.05	2.99	98	1.73	57	--	4H	1W	
334.37	337.41	3.04	3.04	100	2.32	76	--	4H	1W	
337.41	340.46	3.05	3.05	100	1.52	50	--	3H	1W	
340.46	343.51	3.05	3.05	100	2.23	73	--	4H	1W	
343.51	346.56	3.05	3.05	100	2.96	97	--	4H	1W	Bit Change at 1145'
346.56	349.61	3.05	2.99	98	2.76	90	--	3H	1W	
349.61	352.65	3.04	3.02	99	2.58	85	--	4H	1W	
352.65	355.70	3.05	3.05	100	2.78	91	--	4H	1W	
355.70	358.75	3.05	3	98	2.22	73	--	4H	1W	
358.75	361.80	3.05	3	98	2.57	84	--	3H	1W	
361.80	364.85	3.05	3.03	99	2.70	89	--	4H	1W	
364.85	367.89	3.04	2.76	91	2.03	67	--	4H	1W	
367.89	370.94	3.05	3.05	100	2.60	85	--	4H	1W	
370.94	373.99	3.05	3.01	99	2.80	92	--	4H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
373.99	377.04	3.05	2.98	98	2.82	92	--	4H	1W	

KL-15-255

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
0.00	0.00	0.00	-QC-	0.00	0	R499672	☐	15-039			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R499742	☐	15-043		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R499738	☐	15-043			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R499721	☐	15-043		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R499708	☐	15-041			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R499705	☐	15-041		KL-STD6	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R499321	☐	15-056	HG 4	KL-STD6	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R499682	☐	15-041			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R499746	☐	15-043			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R499668	☐	15-039		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R499661	☐	15-039			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R499653	☐	15-039		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R499637	☐	15-036			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R499629	☐	15-036		KL-STD6	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R499324	☐	15-056	HG 4		☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R499692	☐	15-041		KL-STD5	☐	☐	☐
55.87	56.87	1.00	GRD	1.00	100	R499623	☐	15-036			☐	☐	☐
56.87	57.17	0.30	GRD	0.30	100	R499624	☐	15-036			☐	☐	☐
57.17	57.77	0.60	GRD	0.50	83	R499625	☐	15-036			☐	☐	☐
57.77	58.09	0.32	GRD	0.32	100	R499626	☐	15-036			☐	☐	☐
58.09	59.15	1.06	GRD	1.03	97	R499627	☐	15-036			☐	☐	☐
79.12	80.13	1.01	GRD	1.01	100	R499628	☐	15-036			☐	☐	☐
80.13	80.56	0.43	GRD	0.43	100	R499630	☐	15-036			☐	☐	☐
80.56	81.78	1.22	GRD	1.22	100	R499631	☐	15-036			☐	☐	☐
80.56	81.78	1.22	GRD	1.22	100	R499632	☐	15-036			☐	☑	☐
81.78	82.26	0.48	GRD	0.48	100	R499633	☐	15-036			☐	☐	☐
82.26	83.29	1.03	GRD	1.03	100	R499634	☐	15-036			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
88.73	89.29	0.56	GRD	0.56	100	R499635	☐	15-036			☐	☐	☐
89.29	89.59	0.30	GRD	0.30	100	R499636	☐	15-036			☐	☐	☐
89.59	89.98	0.39	GRD	0.39	100	R499638	☐	15-036			☐	☐	☐
89.98	90.39	0.41	GRD	0.41	100	R499639	☐	15-036			☐	☐	☐
90.39	91.13	0.74	GRD	0.74	100	R499640	☐	15-036			☐	☐	☐
91.13	92.19	1.06	GRD	1.06	100	R499641	☐	15-039			☐	☐	☐
99.88	100.40	0.52	GRD	0.52	100	R499642	☐	15-039			☐	☐	☐
100.40	101.08	0.68	GRD	0.68	100	R499643	☐	15-039			☐	☐	☐
101.08	101.38	0.30	GRD	0.30	100	R499644	☐	15-039			☐	☐	☐
101.38	101.77	0.39	GRD	0.39	100	R499645	☐	15-039			☐	☐	☐
101.77	102.09	0.32	GRD	0.32	100	R499646	☐	15-039			☐	☐	☐
102.09	102.47	0.38	GRD	0.38	100	R499647	☐	15-039			☐	☐	☐
102.47	103.88	1.41	GRD	1.41	100	R499648	☐	15-039			☐	☐	☐
102.47	103.88	1.41	GRD	1.41	100	R499649	☐	15-039			☐	☑	☐
103.88	104.41	0.53	GRD	0.53	100	R499650	☐	15-039			☐	☐	☐
104.41	105.77	1.36	GRD	1.36	100	R499651	☐	15-039			☐	☐	☐
128.86	129.44	0.58	GRD	0.58	100	R499652	☐	15-039			☐	☐	☐
129.44	130.10	0.66	GRD	0.66	100	R499654	☐	15-039			☐	☐	☐
130.10	130.79	0.69	GRD	0.69	100	R499655	☐	15-039			☐	☐	☐
130.79	131.25	0.46	GRD	0.46	100	R499656	☐	15-039			☐	☐	☐
130.79	131.25	0.46	GRD	0.46	100	R499657	☐	15-039			☐	☐	☑
131.25	131.76	0.51	GRD	0.51	100	R499658	☐	15-039			☐	☐	☐
131.76	132.29	0.53	GRD	0.51	96	R499659	☐	15-039			☐	☐	☐
132.29	132.59	0.30	GRD	0.30	100	R499660	☐	15-039			☐	☐	☐
132.59	132.90	0.31	GRD	0.31	100	R499662	☐	15-039			☐	☐	☐
132.90	133.76	0.86	GRD	0.86	100	R499663	☐	15-039			☐	☐	☐
133.76	134.15	0.39	GRD	0.39	100	R499664	☐	15-039			☐	☐	☐
134.15	135.08	0.93	GRD	0.93	100	R499665	☐	15-039			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
158.20	159.14	0.94	GRD	0.89	95	R499666	☐	15-039			☐	☐	☐
159.14	160.96	1.82	GRD, GRD	1.82	100	R499667	☐	15-039			☐	☐	☐
160.96	162.01	1.05	GRD	0.84	80	R499669	☐	15-039			☐	☐	☐
162.01	162.90	0.89	GRD	0.89	100	R499670	☐	15-039			☐	☐	☐
162.90	163.59	0.69	GRD	0.69	100	R499671	☐	15-039			☐	☐	☐
163.59	163.89	0.30	GRD	0.30	100	R499309	☐	15-056	HG 4		☐	☐	☐
163.89	165.24	1.35	GRD	1.35	100	R499673	☐	15-039			☐	☐	☐
165.24	165.54	0.30	GRD	0.30	100	R499674	☐	15-039			☐	☐	☐
165.54	166.54	1.00	GRD	1.00	100	R499675	☐	15-039			☐	☐	☐
177.56	178.58	1.02	GRD	1.02	100	R499676	☐	15-039			☐	☐	☐
178.58	179.09	0.51	GRD	0.51	100	R499677	☐	15-041			☐	☐	☐
179.09	179.39	0.30	GRD	0.30	100	R499678	☐	15-041			☐	☐	☐
179.39	179.89	0.50	GRD	0.50	100	R499679	☐	15-041			☐	☐	☐
197.38	197.88	0.50	GRD	0.50	100	R499680	☐	15-041			☐	☐	☐
197.88	198.18	0.30	GRD	0.30	100	R499681	☐	15-041			☐	☐	☐
198.18	198.68	0.50	GRD	0.50	100	R499683	☐	15-041			☐	☐	☐
198.68	200.25	1.57	GRD	1.49	95	R499684	☐	15-041			☐	☐	☐
200.25	203.30	3.05	GRD	3.05	100	R499685	☐	15-041			☐	☐	☐
200.25	203.30	3.05	GRD	3.05	100	R499686	☐	15-041			☐	☑	☐
203.30	204.63	1.33	GRD	1.33	100	R499687	☐	15-041			☐	☐	☐
204.63	204.93	0.30	GRD	0.30	100	R499688	☐	15-041			☐	☐	☐
204.93	205.43	0.50	GRD	0.50	100	R499689	☐	15-041			☐	☐	☐
205.43	207.82	2.39	GRD	2.39	100	R499690	☐	15-041			☐	☐	☐
207.82	208.47	0.65	GRD	0.65	100	R499691	☐	15-041			☐	☐	☐
208.47	208.90	0.43	GRD	0.43	100	R499693	☐	15-041			☐	☐	☐
208.90	209.37	0.47	GRD	0.47	100	R499694	☐	15-041			☐	☐	☐
209.37	210.32	0.95	GRD	0.95	100	R499695	☐	15-041			☐	☐	☐
210.32	211.43	1.11	GRD	1.10	99	R499696	☐	15-041			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
210.32	211.43	1.11	GRD	1.10	99	R499697	☐	15-041			☐	☐	☑
211.43	213.15	1.72	GRD	1.61	94	R499698	☐	15-041			☐	☐	☐
213.15	213.83	0.68	GRD	0.68	100	R499699	☐	15-041			☐	☐	☐
222.33	222.83	0.50	GRD	0.50	100	R499700	☐	15-041			☐	☐	☐
222.83	223.13	0.30	GRD	0.30	100	R499701	☐	15-041			☐	☐	☐
223.13	223.63	0.50	GRD	0.50	100	R499702	☐	15-041			☐	☐	☐
262.22	262.72	0.50	GRD	0.50	100	R499703	☐	15-041			☐	☐	☐
262.72	263.24	0.52	GRD	0.52	100	R499704	☐	15-041			☐	☐	☐
263.24	263.58	0.34	GRD	0.34	100	R499706	☐	15-041			☐	☐	☐
263.58	263.92	0.34	GRD	0.34	100	R499707	☐	15-041			☐	☐	☐
263.92	265.53	1.61	GRD	1.61	100	R499709	☐	15-041			☐	☐	☐
291.11	292.34	1.23	QFP, GRD	1.21	98	R499710	☐	15-041			☐	☐	☐
292.34	292.84	0.50	GRD	0.50	100	R499711	☐	15-041			☐	☐	☐
292.84	293.18	0.34	GRD	0.34	100	R499320	☐	15-056	HG 4		☐	☐	☐
293.18	294.37	1.19	QFP, GRD	1.19	100	R499712	☐	15-041			☐	☐	☐
294.37	294.89	0.52	GRD	0.52	100	R499713	☐	15-043			☐	☐	☐
294.89	296.52	1.63	GRD	1.63	100	R499714	☐	15-043			☐	☐	☐
296.52	297.31	0.79	GRD	0.79	100	R499715	☐	15-043			☐	☐	☐
297.31	298.49	1.18	GRD	1.18	100	R499716	☐	15-043			☐	☐	☐
298.49	298.94	0.45	GRD	0.45	100	R499322	☐	15-056	HG 4		☐	☐	☐
298.94	299.87	0.93	GRD	0.92	99	R499717	☐	15-043			☐	☐	☐
298.94	299.87	0.93	GRD	0.92	99	R499718	☐	15-043			☐	☐	☑
299.87	300.94	1.07	GRD	1.00	93	R499719	☐	15-043			☐	☐	☐
300.94	302.86	1.92	GRD	1.92	100	R499720	☐	15-043			☐	☐	☐
302.86	304.43	1.57	GRD	1.57	100	R499722	☐	15-043			☐	☐	☐
304.43	305.30	0.87	GRD	0.87	100	R499723	☐	15-043			☐	☐	☐
305.30	305.89	0.59	GRD	0.59	100	R499724	☐	15-043			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
305.89	306.78	0.89	GRD	0.89	100	R499725	☐	15-043			☐	☐	☐
306.78	308.94	2.16	GRD, GRD	2.16	100	R499726	☐	15-043			☐	☐	☐
308.94	310.24	1.30	GRD	1.27	98	R499727	☐	15-043			☐	☐	☐
310.24	312.32	2.08	GRD	2.08	100	R499728	☐	15-043			☐	☐	☐
312.32	313.36	1.04	GRD, GRD	1.04	100	R499729	☐	15-043			☐	☐	☐
313.36	314.00	0.64	GRD	0.64	100	R499730	☐	15-043			☐	☐	☐
322.69	324.31	1.62	GRD, QFP	1.62	100	R499731	☐	15-043			☐	☐	☐
322.69	324.31	1.62	GRD, QFP	1.62	100	R499732	☐	15-043			☐	☑	☐
324.31	325.45	1.14	GRD	1.11	97	R499733	☐	15-043			☐	☐	☐
325.45	327.77	2.32	GRD	2.32	100	R499734	☐	15-043			☐	☐	☐
327.77	329.84	2.07	GRD	2.05	99	R499735	☐	15-043			☐	☐	☐
347.23	349.00	1.77	GRD	1.72	97	R499736	☐	15-043			☐	☐	☐
349.00	350.14	1.14	GRD	1.14	100	R499737	☐	15-043			☐	☐	☐
350.14	351.41	1.27	GRD	1.27	100	R499739	☐	15-043			☐	☐	☐
351.41	352.92	1.51	GRD	1.51	100	R499740	☐	15-043			☐	☐	☐
352.92	354.22	1.30	GRD	1.30	100	R499741	☐	15-043			☐	☐	☐
354.22	354.89	0.67	GRD	0.66	99	R499743	☐	15-043			☐	☐	☐
354.89	356.41	1.52	GRD	1.52	100	R499744	☐	15-043			☐	☐	☐
356.41	357.44	1.03	GRD	1.03	100	R499745	☐	15-043			☐	☐	☐
357.44	358.40	0.96	GRD	0.96	100	R499323	☐	15-056	HG 4		☐	☐	☐
358.40	359.77	1.37	BXA, GRD	1.37	100	R499747	☐	15-043			☐	☐	☐
359.77	361.46	1.69	GRD	1.63	96	R499748	☐	15-043			☐	☐	☐
361.46	362.07	0.61	GRD	0.61	100	R499749	☐	15-044			☐	☐	☐
362.07	363.33	1.26	GRD	1.22	97	R499750	☐	15-044			☐	☐	☐
363.33	364.85	1.52	GRD	1.52	100	R499751	☐	15-044			☐	☐	☐

Klaza - Klaza Project

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		381484	6889905	1272.24	428.85

ZONE: Western BRX

SECTION: BRX 9+250

HOLE: KL-15-256

CLAIM:

Contractor: Platinum

Drill: 1

Core Size: HQ

Casing Depth: 5m, Out

Drilling Dates: Jul 04 - Jul 08, 2015

Geology Logged By: T. Cruz

SURVEY			
Depth (m)	Azimuth	Dip	Method
17.37	21.9	-49.3	Reflex
428.85	38.1	-52.1	Reflex

TARGET:

SUMMARY			
From (m)	To (m)	Interval (m)	Rock Type
0	5	5	CAS
5	62.65	57.65	GRD
62.65	82.53	19.88	GRD
82.53	100.19	17.66	GRD
100.19	105.67	5.48	GRD
105.67	135.47	29.8	GRD
135.47	138.05	2.58	GRD
138.05	199.96	61.91	GRD
199.96	203.83	3.87	GRD
203.83	241.53	37.7	GRD
241.53	248.16	6.63	GRD
248.16	301.92	53.76	GRD
301.92	316.45	14.53	GRD
316.45	345.41	28.96	GRD
345.41	350.03	4.62	GRD
350.03	352.72	2.69	GRD

SAMPLES	
Numbers:	R499325 to R499327, R499335 to R499336, R499338, R610070 to R610181
Total:	118
Batch:	042, 045, 046, 049, 056
Certificates:	WH15100423, WH15102118, WH15102119, WH15102133, WH15102145, WH15102149

COMMENTS

352.72	353.46	0.74	GRD
353.46	356.43	2.97	GRD
356.43	359.53	3.1	GRD
359.53	363.97	4.44	GRD
363.97	384.25	20.28	GRD
384.25	401.6	17.35	GRD
401.6	412.67	11.07	GRD
412.67	416.21	3.54	GRD
416.21	419.96	3.75	GRD
419.96	423.15	3.19	GRD
423.15	428.85	5.7	GRD

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
5.00	35.66	30.66	GRD	MG	Intensely surface weathered and oxidized argillic granodiorite. Most of the interval is incompetent and crumbled, or barely cohesive where there is significant clay. Almost all of recovery is easily penetrated using a scribe. Few pieces of intact rock remain.							
						MD	OR		ARG	4I		
						MD	BN		OXI	4I		
						DK	BN		CLY	3I		
35.66	36.22	0.56	GRD	MG	Moderate pervasive argillic altd granodiorite that has remained competent and hard.							
						MD	GY	FR	ARG	3I		
						LT	BN		OXI	2I		
						LT	WH					
36.22	62.65	26.43	GRD	MG	Intensely surface weathered and oxidized argillic granodiorite. Most of the interval is incompetent and crumbled, or barely cohesive where there is significant clay. Almost all of recovery is easily penetrated using a scribe. Few pieces of intact rock remain.							
						MD	BN		ARG	4I		
						DK	BN		OXI	4I		
									CLY	2I		
62.65	68.83	6.18	GRD	MG	Fresh granodiorite with trace-weak oxide on fractures.							
						MD	GY		OXI	1I		
						LT	BN					
68.83	72.11	3.28	GRD	MG	Moderately argillic and potassic overprinted granodiorite with trace oxide staining on some fractures.							
						LT	WH		ARG	3I		
						LT	PK		POT	2I		
						LT	BN		OXI	1I		
72.11	76.24	4.13	GRD	MG	Fresh granodiorite with clay alteration around gouge with trace oxide staining.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GY		CLY	1I		
									OXI	1I		
76.24	82.53	6.29	GRD	MG	Pervasive moderately argillic altered granodiorite with patchy potassic and narrow phyllic halos on quartz-carbonate veins.							
						LT	WH	MO	ARG	3I		
						LT	PK		PHC	1I		
						LT	GN		POT	2I		
82.53	100.19	17.66	GRD	MG	Fresh granodiorite with patches of trace-weak propylitic alteration and few proximal phyllic and distal argillic halos around white quartz-carbonate veins. Few patches of trace potassic.							
						MD	GY	PA	PRO	1I		
						MD	GN		ARG	1I		
						LT	PK		POT	1I		
						LT	GN					
						LT	WH		PHC	1I		
100.19	102.71	2.52	GRD	MG	Pervasive phyllic and weak-moderate argillic alteration near upper end of interval. A weak propylitic overprint is found throughout, with trace potassic overprinting argillic alteration. Disseminated pyrite throughout phyllic alteration.							
						MD	GN		POT	1I		
						LT	PK		PRO	3I		
						LT	WH		PHC	3I		
						LT	GN		ARG	2I	Py	1
102.71	103.29	0.58	VEN	MG	Complex multiphase pryite-bearing breccia. Initial phase of black breccia hosting fine pervasive disseminated pyrite was brecciated by wide white-pink quartz-carbonate veins (calcite-rhodochrosite-tan ankerite with central band of quartz, hosting blebby pyrite and disseminated arsenopyrite). These were then partially brecciated/netted by grey chalcedony, and the final phase of brecciation involves barren white calcite veinlets.							
						MD	GN	XL				
						LT	PK	BX			As	0.5

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	WH	BN			Py	3
						DK	BK	CR				
								NE				
103.29	105.67	2.38	GRD	MG	Pervasive phyllic and patchy weak-moderate argillic alteration. A weak propylitic overprint is found throughout, with trace potassic overprinting argillic alteration. Cut by banded-vuggy white-pink quartz-carbonate veins.							
						MD	GN		POT	1I		
						LT	GN		ARG	2I	Py	0.1
						LT	WH		PRO	3I		
						LT	PK		PHC	3I		
105.67	107.65	1.98	GRD	MG	Fresh granodiorite with narrow phyllic halos on barren quartz-carbonate veins.							
						MD	GN	PA	PHC	2I		
						LT	GN					
107.65	108.81	1.16	GRD	MG	Proximal phyllic and distal argillic halos around white-pink vuggy quartz-carbonate veins. Trace disseminated pyrite in quartz bands.							
						LT	GN	PA	PHC	3I	Py	0.1
						LT	WH		ARG	2I		
108.81	110.79	1.98	GRD	MG	Fresh granodiorite with trace propylitic alteration.							
						MD	GN		PRO	1I		
						MD	GY					
110.79	111.67	0.88	GRD	MG	Proximal phyllic and distal argillic halo around red-stained chalcedony vein and banded quartz-carbonate veinlets.							
						LT	GN		PHC	2I		
						LT	RD					
111.67	115.44	3.77	GRD	MG	Fresh granodiorite with trace propylitic alteration and trace hematite staining on fractures.							
						MD	GY		PRO	1I	He	0.5
						MD	RD					
						MD	GN		HEM	1I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
115.44	117.58	2.14	GRD	MG	Wide distal argillic and narrow phyllic halo around white-pink quartz-carbonate vein. Trace potassic overprint throughout.							
						LT	WH		ARG	3I		
						LT	PK		PHC	2I		
						LT	GN		POT	1I		
117.58	119.43	1.85	GRD	MG	Fresh granodiorite with trace propylitic alteration.							
						MD	GY		PRO	1I		
						MD	GN					
119.43	122.05	2.62	GRD	MG	Fresh granodiorite cut by several pink aplite dykes that are at least 20cm wide.							
						MD	GY					
						MD	PK					
122.05	129.03	6.98	GRD	MG	Fresh granodiorite with trace propylitic alteration and narrow phyllic halos on quartz-carbonate veins.							
						MD	GY	PA	PHC	2I		
						LT	GN		PRO	2I		
129.03	131.66	2.63	GRD	MG	Proximal phyllic and distal argillic halos around gouge and quartz-carbonate veins. Also cut by aplite dykes. Trace patchy potassic and propylitic overprint.							
						LT	GN	PA	PHC	3I		
						LT	WH		ARG	3I		
						LT	PK		PRO	1I		
									CLY	2I		
									POT	1I		
131.66	132.26	0.60	GRD	MG	Granodiorite with unusually strong pervasive potassic alteration that partially obliterates textures and weak propylitic alteration.							
						LT	PK	RX	POT	4I		
						LT	GN		PRO	1I		
132.26	135.47	3.21	GRD	MG	Fresh granodiorite with patchy trace propylitic and potassic alteration, accompanied by narrow phyllic-argillic halos on white quartz-carbonate veinlets.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GY	PA	PRO	1I		
						MD	GN		POT	1I		
						LT	PK					
135.47	138.05	2.58	GRD	MG	Proximal phyllic and distal argillic halos on barren quartz-carbonate veins, with short sections of gouge.							
						LT	GN		PHC	4I		
						LT	WH		ARG	2I		
									CLY	2I		
138.05	149.07	11.02	GRD	MG	Fresh granodiorite with patches of trace propylitic and potassic alteration. Cut by rare veining with proximal phyllic and distal argillic halos.							
						MD	GY	PA	PRO	1I		
						MD	GN		POT	1I		
						LT	PK		PHC	1I		
						LT	GN		ARG	1I		
149.07	150.43	1.36	GRD	MG	Proximal phyllic and distal argillic halo around few white-cream quartz-carbonate veins. Trace propylitic and potassic overprints.							
						MD	GN		PRO	2I		
						LT	GN	PA	ARG	2I		
						LT	PK		PHC	2I		
									POT	1I		
150.43	160.81	10.38	GRD	MG	Fresh granodiorite with patches of trace propylitic and potassic alteration. Cut by rare veining with proximal phyllic and distal argillic halos.							
						MD	GY		PRO	1I		
						MD	GN		POT	1I		
						LT	PK		PHC	1I		
						LT	GN		ARG	1I		
160.81	162.20	1.39	GRD	MG	Granodiorite with moderate pervasive propylitic and hematite alteration stemming from fractures.							
						MD	RD		HEM	2I		
						DK	GN	FR	PRO	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
162.20	166.64	4.44	GRD	MG	Fresh granodiorite with patchy trace propylitic and trace greenish clay alteration along some fractures.							
						MD	GY		PRO	1I		
						MD	GN		CLY	1I		
166.64	168.63	1.99	GRD	MG	Proximal phyllic and distal argillic halo on a massive quartz-crustiform carbonate vein. There is weak potassic and phyllic overprinting argillic halo.							
						LT	WH	MO	ARG	3I		
						LT	GN		PHC	3I		
						LT	PK		POT	1I		
168.63	177.02	8.39	GRD	MG	Fresh granodiorite with patchy trace propylitic and narrow phyllic halos on few quartz-carbonate veins.							
						MD	GY	PA	PRO	1I		
						MD	GN		PHC	1I		
						LT	GN					
177.02	178.92	1.90	GRD	MG	Granodiorite cut by a long, low angle fracture with some carbonate-chlorite infill. It is haloed by weak argillic alteration and salmon-coloured hematite staining, bordered by green chlorite-propylitic alteration.							
						MD	GN	FR	ARG	2I		
						MD	OR		PRO	2I		
									HEM	2I		
178.92	191.55	12.63	GRD	MG	Fresh granodiorite with patchy trace propylitic and narrow phyllic halos on few quartz-carbonate veins.							
						MD	GY	PA	PRO	1I		
						MD	GN		PHC	1I		
						LT	GN					
191.55	192.43	0.88	GRD	MG	Fractured granodiorite with pervasive moderate propylitic alteration and weak semi-pervasive hematite alteration.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GN	FR	PRO	3I		
						MD	RD					
						DK	GN		HEM	2I		
192.43	197.65	5.22	GRD	MG	Fresh granodiorite with patchy trace propylitic and narrow phyllic halos on few quartz-carbonate veins.							
						MD	GN	PA	PRO	1I		
						MD	GN					
						LT	GN		POT	1I		
197.65	199.96	2.31	GRD	MG	Strongly propylitic altered granodiorite with moderate hematite alteration along fractures. Textures are lost in the halo of a narrow red-stained quartz breccia. Associated strong propylitic and moderate hematite alteration bleaches the granodiorite to a green.							
						MD	GN		HEM	3I		
						MD	RD					
						DK	GN	FR	PRO	4I		
199.96	203.83	3.87	GRD	MG	Granodiorite with pervasive strong-moderate phyllic alteration, many vein features, and semi pervasive clay alteration . Veining is typically white quartz-carbonate with disseminated-blebby pyrite. Some coherent granodiorite fragments retain weak hematite staining.							
						LT	GN	CR	PHC	4I		
									CLY	3I		
									HEM	1I		
203.83	219.67	15.84	GRD	MG	Fresh granodiorite with patchy trace propylitic and narrow phyllic halos on few quartz-carbonate veins.							
						MD	GY	PA	PRO	1I		
						MD	GN		PHC	1I		
219.67	221.36	1.69	GRD	MG	Moderately phyllic altered granodiorite with patchy propylitic overprint, cut by white-grey quartz-carbonate veins. The veins are generally barren, with few hosting trace disseminated pyrite.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GN		PRO	1I		
						LT	GN	PA	PHC	3I	Py	0.1
221.36	235.03	13.67	GRD	MG	Fresh granodiorite with patchy trace propylitic and narrow phyllic halos on few quartz-carbonate veins.							
						MD	GY	PA	PRO	1I		
						MD	GN		PHC	1I		
235.03	239.23	4.20	GRD	MG	Proximal phyllic and distal argillic halos on quartz carbonate veins. Most are barren, however, one carries black jack sphalerite, pyrite, and galena. Weak patchy propylitic and potassic often overprints argillic and phyllic alteration.							
						MD	GN		POT	1I		
						LT	GN	PA	PHC	2I	Sp	0.1
						LT	PK	MO	ARG	3I	Py	0.1
						LT	WH		PRO	1I	Gn	0.1
239.23	241.53	2.30	GRD	MG	Fresh granodiorite with patchy trace propylitic and narrow phyllic halos on few quartz-carbonate veins.							
						MD	GY		PRO	1I		
						MD	GN					
241.53	248.16	6.63	GRD	MG	Proximal phyllic and distal argillic vein halos with potassic and propylitic alterations overprinting argillic halos. Cut by banded grey quartz-white/cream carbonate veins hosting blebby-disseminated pyrite.							
						MD	GN		PRO	1I		
						LT	GN	PA	PHC	3I	Py	0.1
						LT	WH	MO	ARG	3I		
						LT	PK		POT	2I		
248.16	253.94	5.78	GRD	MG	Generally fresh granodiorite with patches of trace-weak propylitic and potassic alteration, cut by occasional quartz-carbonate-pyrite veins with proximal phyllic and distal argillic halos.							
						MD	GY	PA	PHC	2I	Py	0.1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GN		POT	1I		
						LT	GN		PRO	1I		
									ARG	2I		
253.94	261.12	7.18	GRD	MG	Patchy proximal phyllic and distal argillic halos around white quartz-carbonate veins, some of which bear disseminated pyrite. There is potassic overprinting argillic, and intermediary patches of propylitic altered granodiorite.							
						MD	GY		POT	1I		
						LT	WH	PA	PHC	2I	Py	0.1
						LT	PK	MO	ARG	3I		
						LT	GN		PRO	1I		
261.12	272.47	11.35	GRD	MG	Generally fresh granodiorite with patches of trace-weak propylitic and potassic alteration, cut by occasional aplite dykes and quartz-carbonate-pyrite veins with proximal phyllic and distal argillic halos.							
						MD	GY	PA	PHC	1I		
						MD	GN		PRO	1I		
						LT	PK		POT	1I		
						LT	GN		ARG	1I		
272.47	273.86	1.39	GRD	MG	Patchy proximal phyllic and distal argillic halos around white quartz-carbonate veins, some of which bear disseminated pyrite. There is potassic overprinting argillic, and intermediary patches of propylitic altered granodiorite.							
						MD	GN		ARG	2I		
						LT	GN	PA	PHC	3I		
						LT	WH		POT	1I		
						LT	PK		PRO	1I		
273.86	276.35	2.49	GRD	MG	Fresh granodiorite with patchy weak-trace propylitic and potassic alteration.							
						MD	GN		PRO	1I		
						MD	GY		POT	1I		
						LT	PK					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
276.35	279.30	2.95	GRD	MG	Patchy proximal phyllic and distal argillic halos around white quartz-carbonate veins, some of which bear disseminated pyrite. There is potassic overprinting argillic, and intermediary patches of propylitic altered granodiorite.							
						LT	GN	MO	PHC	2I	Py	0.1
						LT	WH		ARG	3I		
						LT	PK		POT	1I		
279.30	281.10	1.80	GRD	MG	Generally fresh granodiorite with trace potassic and propylitic alteration.							
						MD	GN		POT	1I		
						MD	GY		PRO	1I		
						LT	PK					
281.10	282.38	1.28	GRD	MG	Patchy proximal phyllic and distal argillic halos around white quartz-carbonate veins, some of which bear disseminated pyrite. There is potassic overprinting argillic alteration.							
						LT	GN		PHC	3I	Py	0.1
						LT	WH		ARG	2I		
						LT	PK		POT	1I		
282.38	300.28	17.90	GRD	MG	Fresh granodiorite with patchy trace potassic and propylitic.							
						MD	GY	PA	PRO	1I		
						MD	GN		POT	1I		
						LT	PK					
300.28	301.92	1.64	GRD	MG	Pervasive phyllic and argillic alteration around several quartz-carbonate veins.							
						LT	GN		PHC	3I	Py	0.1
						LT	WH		ARG	2I		
301.92	304.69	2.77	GRD	MG	Crumbled faulted granodiorite with pervasive moderate argillic alteration and weak propylitic overprint. Occasional phyllic overprint in quartz-carbonate vein halos.							
						MD	GY	SN	PHC	2I		
						LT	GN	RB	PRO	2I		
						LT	WH	FR	ARG	4I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
304.69	307.81	3.12	GRD	MG	Alternating patches of moderate argillic and weak phyllic alteration, with some propylitic vein halos. Cut by a carbonate-chalcedony breccia at 306.5m. Intense potassic alteration at 306.8m. Later quartz veinlets have narrow propylitic halos.							
						LT	GN	PA	ARG	3I		
						LT	PK	MO	PHC	2I		
						LT	WH	BX	POT	2I		
									PRO	1I		
307.81	313.38	5.57	GRD	MG	Mostly fresh granodiorite with patchy weak argillic alteration near rubbly sections with slickenside surfaces. Cut by rare quartz-carbonate veinlets.							
						MD	GY	RB	ARG	2I		
								FR				
313.38	316.45	3.07	GRD	MG	Weak-moderate pervasive argillic altered granodiorite with fractures and some dry crumbling.							
						MD	GY	RB	ARG	2I		
						LT	WH	FR				
316.45	321.57	5.12	GRD	MG	Fresh granodiorite with patchy trace propylitic, cut by an aplite dyke and quartz-carbonate veins with narrow phyllic halos.							
						MD	GY	PA	PRO	1I		
						MD	GN		PHC	1I		
						LT	GN					
321.57	326.58	5.01	GRD	MG	Phyllic granodiorite with intermediary patches of argillic alteration. Related to many crosscutting white-grey quartz-carbonate veinlets hosting trace disseminated pyrite.							
						LT	GN		PHC	3I	Py	0.1
						LT	WH		ARG	2I		
326.58	336.60	10.02	GRD	MG	Fresh granodiorite with patchy trace propylitic, cut by an aplite dyke and quartz-carbonate veins with narrow phyllic halos.							
						MD	GY	PA	PHC	1I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GN		ARG	1I		
						LT	GN		PRO	1I		
336.60	337.39	0.79	GRD	MG	Faulted granodiorite with weak-trace clay alteration and intense fracturing/crumbling.							
						MD	GY	RB	CLY	2I		
						LT	GN	FR				
337.39	338.89	1.50	GRD	MG	Fresh granodiorite with pervasive trace-weak propylitic alteration.							
						MD	GN		PRO	2I		
						MD	GY					
338.89	340.67	1.78	GRD	MG	Granodiorite with argillic-dominant proximal phyllic and distal argillic vein halos. Cut by aplite dykes, massive calcite veins, and banded quartz-carbonate veins. Only banded quartz-carbonate veins host trace disseminated pyrite.							
						MD	GY					
						LT	WH	PA	ARG	3I		
						LT	GN		PHC	2I		
340.67	345.41	4.74	GRD	MG	Fractured and weakly faulted granodiorite with trace-weak patchy propylitic. Cut by an irregularly banded quartz-carbonate vein with blebby pyrite.							
						MD	GY	FR	PRO	1I	Py	0.1
						MD	GN		PHC	1I		
						LT	GN					
345.41	350.03	4.62	GRD	MG	Wide proximal phyllic and distal argillic halo on a breccia, fractured gouge zone,aplite dyklets, and crosscutting quartz veinlets. Trace patchy potassic.							
						LT	GN	PA	PHC	3I		
						LT	PK	FR	CLY	1I		
						LT	WH	BX	ARG	2I		
									POT	1I		
350.03	352.72	2.69	GRD	MG	Fresh granodiorite with trace patchy propylitic alteration, cut by several pink aplite dykes.							
						MD	GY	PA	PRO	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GN					
						MD	PK					
352.72	353.46	0.74	GRD	MG	Pervasive weak argillic altered granodiorite with significant faulting, resulting in a fractured and crumbled interval.							
						MD	GY	FR	ARG	3I		
						LT	GY	RB				
								SN				
353.46	356.43	2.97	GRD	MG	Fresh granodiorite with patchy trace propylitic, cut by quartz-carbonate veins with narrow proximal phyllic and distal argillic halos.							
						MD	GY		PRO	1I		
						MD	GN		ARG	1I		
						LT	GN		PHC	1I		
						LT	WH					
356.43	359.53	3.10	GRD	MG	Granodiorite with weak patchy argillic alteration and significant faulting resulting in crumbling and intense fracturing. Cut by few white quartz-carbonate veinlets.							
						MD	GY	FR	ARG	2I		
						LT	GY	CR	PRO	1I		
									PHC	1I		
359.53	363.97	4.44	GRD	MG	Moderately phyllic altered granodiorite cut by several mineralized (pyrite-bearing) quartz-carbonate veins. Patches of weak argillic alteration are overprinted by phyllic.							
						LT	GN	PA	PHC	4I	Py	0.1
								FR	ARG	1I		
363.97	368.67	4.70	GRD	MG	Generally fresh granodiorite with patchy trace propylitic and isolated proximal phyllic and distal argillic vein halos on quartz-carbonate veins.							
						MD	GY	PA	PRO	2I		
						MD	GN		PHC	2I		
						LT	GN		ARG	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
368.67	369.47	0.80	GRD	MG	Phyllic altered granodiorite cut by a banded quartz-carbonate vein with coarsely intergrown crystals.							
						LT	WH		ARG	2I		
						LT	GN		PHC	3I	Py	0.1
369.47	372.31	2.84	GRD	MG	Generally fresh granodiorite with patchy trace propylitic and isolated proximal phyllic and distal argillic vein halos on quartz-carbonate veins.							
						MD	GY	PA	PRO	1I		
						MD	GN		PHC	1I		
						LT	GN		ARG	1I		
372.31	373.31	1.00	GRD	MG	Phyllic alteration halo around 3 quartz-carbonate veinlets and a gouge zone.							
						LT	GN		PHC	3I	Py	0.1
373.31	384.25	10.94	GRD	MG	Generally fresh granodiorite with patchy trace propylitic and isolated proximal phyllic and distal argillic vein halos on quartz-carbonate veins and aplite dykelets.							
						MD	GY	PA	PRO	1I		
						MD	GN		PHC	1I		
						LT	GN		POT	1I		
						LT	PK		ARG	1I		
384.25	401.60	17.35	GRD	MG	Overlapping proximal phyllic and distal argillic halos on mineralized quartz-carbonate veins. Patches of trace-moderate potassic alteration are found overprinting argillic alteration, and patchy weak propylitic alteration overprints argillic and some phyllic. Veins tend to host blebby-disseminated pyrite.							
						MD	GN		POT	2I		
						LT	GN	PA	PHC	3I	Py	0.1
						LT	WH	MO	ARG	3I		
						LT	PK		PRO	1I		
401.60	412.67	11.07	GRD	MG	Generally fresh granodiorite with patchy trace propylitic and potassic alteration.							
						MD	GY	PA	PRO	2I		
						MD	GN					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
412.67	416.21	3.54	GRD	MG	Phyllic granodiorite cut by few pyrite-bearing veins and gouge zones. Occasional patches of argillic with potassic overprint. Trace disseminated pyrite in groundmass.							
						LT	GN	PA	PHC	3I	Py	0.1
						LT	PK		ARG	1I		
									POT	1I		
416.21	416.76	0.55	VEN	MG	BRX Vein Breccia. Clasts of phyllic granodiorite and quartz-pyrite veins are cemented by white carbonate-tan ankerite matrix which carries blebby pyrite and honey brown sphalerite. Some disseminated-blebby arsenopyrite is found along carbonate edges. There is clay in crackled bands, but most clay alteration is focused in phyllic granodiorite clasts.							
						LT	TN	CR	PHC	2I	Sp	3
						LT	WH	BX	CLY	2I	Py	3
						DK	GY				As	1
416.76	419.46	2.70	GRD	MG	Intensely fractured granodiorite with pervasive phyllic and patchy argillc/propylitic/potassic overprints. Clay gouge is formed in crackled bands, with some slickensides. Gouge carries some granodiorite clasts and few clasts of the preceding BRX vein zone.							
						LT	PK	RB	POT	2I		
						LT	GN	PA	PHC	3I	Py	0.1
						LT	GY	FR	CLY	3I		
									PRO	1I		
419.46	419.96	0.50	VEN	MG	BRX Vein Breccia. Massive pyrite veining contains clasts of phyllic granodiorite and mineralized carbonate veins. Phyllic granodiorite hosts blebby-disseminated pyrite. Carbonate veining contains blebby galena, blebby honey brown sphalerite, and blebby chalcopyrite.							
						MD	BR	BN			Py	20
						DK	GY	BX			Cp	0.1
											Gn	0.5
											Sp	0.1
419.96	423.15	3.19	GRD	MG	Phyllic granodiorite cut by few pyrite-bearing veins and gouge zones. Occasional patches of argillic with potassic overprint. Trace disseminated pyrite in groundmass.							
						LT	GN	PA	PHC	3I	Py	0.1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	WH		ARG	1I		
						LT	PK		POT	1I		
423.15	428.85	5.70	GRD	MG	Fresh granodiorite with patches of weak propylitic, cut by quartz-carbonate veins with proximal phyllic and distal argillic halos. EOH							
						MD	GY	PA	PRO	1I		
						MD	GN					
						LT	GN		POT	1I		
						LT	WH		PHC	1I		
						LT	PK		ARG	1I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
5.00	62.65	57.65	GRD	MG	Intensely surface weathered and oxidized argillic granodiorite. Most of the interval is incompetent and crumbled, or barely cohesive where there is significant clay. Almost all of recovery is easily penetrated using a scribe. Few pieces of intact rock remain.							
						DK	BN		CLY	3I		
						MD	OR		ARG	4I		
						MD	BN		OXI	4I		
62.65	82.53	19.88	GRD	MG	Patchily altered granodiorite with few quartz-carbonate veins. Patches are argillic dominated with potassic overprint, some of which have narrow phyllic halos on quartz-carbonate veins. Trace oxide staining on fractures, frequency decreasing with depth.							
						LT	WH	MO	PHC	2I		
						LT	PK		OXI	1I		
						MD	GY	PA	ARG	3I		
						LT	GN		POT	2I		
82.53	100.19	17.66	GRD	MG	Fresh granodiorite with patches of trace-weak propylitic alteration and few proximal phyllic and distal argillic halos around white quartz-carbonate veins. Few patches of trace potassic.							
						MD	GY	PA	PRO	1I		
						LT	GN					
						LT	PK		POT	1I		
						MD	GN		ARG	1I		
						LT	WH		PHC	1I		
100.19	105.67	5.48	GRD	MG	Proximal phyllic and distal argillic halo around some significant polymetallic veining. Weak potassic alteration overprints argillic, with a weak patchy propylitic overprint on the entire interval. Weak patchy silicification takes place near the main vein. There is fracture-associated weak clay alteration closer to the major vein.							
						MD	GN		ARG	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
									PRO	2I		
						LT	PK		POT	1I		
						LT	WH		CLY	1I		
						LT	GN		PHC	3I	Py	3
105.67	135.47	29.80	GRD	MG	Mostly fresh granodiorite with trace propylitic or potassic alteration, cut by phyllic/argillic halos around few barren quartz-carbonate veins. Cut by several aplite dykes near 120m.							
						MD	GN		POT	1I		
						MD	GY	PA	PRO	1I		
									PHC	2I		
									ARG	2I		
135.47	138.05	2.58	GRD	MG	Proximal phyllic and distal argillic halos on barren quartz-carbonate veins, with short sections of gouge.							
						LT	WH		ARG	2I		
						LT	GN		PHC	4I		
									CLY	2I		
138.05	199.96	61.91	GRD	MG	Fresh granodiorite with patches of trace propylitic and potassic alteration. Cut by rare veining with proximal phyllic and distal argillic halos.							
						LT	PK		PHC	1I		
						MD	GN		POT	1I		
						LT	GN		ARG	1I		
						MD	GY	PA	PRO	1I		
199.96	203.83	3.87	GRD	MG	Granodiorite with pervasive strong-moderate phyllic alteration, many vein features, and semi pervasive clay alteration . Veining is typically white quartz-carbonate with disseminated-blebby pyrite. Some coherent granodiorite fragments retain weak hematite staining.							
									HEM	1I		
									CLY	3I		
						LT	GN	CR	PHC	4I		
203.83	241.53	37.70	GRD	MG	Fresh granodiorite with patchy trace propylitic and narrow phyllic halos on few quartz-carbonate veins.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GY	PA	PRO	1I		
						MD	GN		PHC	1I		
241.53	248.16	6.63	GRD	MG	Proximal phyllic and distal argillic vein halos with potassic and propylitic alterations overprinting argillic halos. Cut by banded grey quartz-white/cream carbonate veins hosting blebby-disseminated pyrite.							
						MD	GN		PRO	1I		
						LT	GN	PA	PHC	3I	Py	0.1
						LT	WH	MO	ARG	3I		
						LT	PK		POT	2I		
248.16	301.92	53.76	GRD	MG	Generally fresh granodiorite with patches of trace-weak propylitic and potassic alteration, cut by occasional quartz-carbonate-pyrite veins with proximal phyllic and distal argillic halos.							
						LT	GN		PRO	1I		
						MD	GN		POT	1I		
									ARG	2I		
						MD	GY	PA	PHC	2I	Py	0.1
301.92	316.45	14.53	GRD	MG	Wide fault with minimal gouge, but patches of extensive crumbling. Many slickensides are observed. Dominant alteration is argillic, with some propylitic. Phyllic halos occur around crosscutting veining and brecciation. Patches of weak-trace hematite staining and potassic alteration occur.							
						MD	GY					
						LT	WH					
						MD	GN					
						LT	PK					
316.45	345.41	28.96	GRD	MG	Mostly fresh granodiorite with patchy propylitic and potassic alteration, cut by quartz-carbonate veins with proximal phyllic and distal argillic halos.							
						LT	WH		POT	1I		
						LT	GN		ARG	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GN		PHC	2I		
						MD	GY	PA	PRO	1I		
345.41	350.03	4.62	GRD	MG	Wide proximal phyllic and distal argillic halo on a breccia, fractured gouge zone,aplite dyklets, and crosscutting quartz veinlets. Trace patchy potassic.							
						LT	PK	FR	CLY	1I		
						LT	GN	PA	PHC	3I		
						LT	WH	BX	ARG	2I		
									POT	1I		
350.03	352.72	2.69	GRD	MG	Fresh granodiorite with trace patchy propylitic alteration, cut by several pink aplite dykes.							
						MD	GY	PA	PRO	2I		
						MD	GN					
						MD	PK					
352.72	353.46	0.74	GRD	MG	Pervasive weak argillic altered granodiorite with significant faulting, resulting in a fractured and crumbled interval.							
								SN				
						LT	GY	RB				
						MD	GY	FR	ARG	3I		
353.46	356.43	2.97	GRD	MG	Fresh granodiorite with patchy trace propylitic, cut by quartz-carbonate veins with narrow proximal phyllic and distal argillic halos.							
						MD	GN		ARG	1I		
						LT	GN		PHC	1I		
						LT	WH					
						MD	GY		PRO	1I		
356.43	359.53	3.10	GRD	MG	Granodiorite with weak patchy argillic alteration and significant faulting resulting in crumbling and intense fracturing. Cut by few white quartz-carbonate veinlets.							
						LT	GY	CR	PRO	1I		
						MD	GY	FR	ARG	2I		
									PHC	1I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
359.53	363.97	4.44	GRD	MG	Moderately phyllic altered granodiorite cut by several mineralized (pyrite-bearing) quartz-carbonate veins. Patches of weak argillic alteration are overprinted by phyllic.							
						LT	GN	PA	PHC	4I	Py	0.1
								FR	ARG	1I		
363.97	384.25	20.28	GRD	MG	Generally fresh granodiorite with patchy trace propylitic and isolated proximal phyllic and distal argillic vein halos on quartz-carbonate veins.							
						MD	GN		PHC	2I		
						LT	GN		ARG	2I		
						MD	GY	PA	PRO	2I		
384.25	401.60	17.35	GRD	MG	Overlapping proximal phyllic and distal argillic halos on mineralized quartz-carbonate veins. Patches of trace-moderate potassic alteration are found overprinting argillic alteration, and patchy weak propylitic alteration overprints argillic and some phyllic. Veins tend to host blebby-disseminated pyrite.							
						MD	GN		POT	2I		
						LT	PK		PRO	1I		
						LT	GN	PA	PHC	3I	Py	0.1
						LT	WH	MO	ARG	3I		
401.60	412.67	11.07	GRD	MG	Generally fresh granodiorite with patchy trace propylitic and potassic alteration.							
						MD	GY	PA	PRO	2I		
						MD	GN					
412.67	416.21	3.54	GRD	MG	Phyllic granodiorite cut by few pyrite-bearing veins and gouge zones. Occasional patches of argillic with potassic overprint. Trace disseminated pyrite in groundmass.							
									POT	1I		
						LT	GN	PA	PHC	3I	Py	0.1
						LT	PK		ARG	1I		
416.21	419.96	3.75	GRD	MG	BRX Vein Zone: Veins sandwich a rubbly gouged section of phyllic granodiorite. Veins are breccias with crackled gouge in irregular bands, and host significant pyrite and honey brown sphalerite.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	BR	CR				
						LT	GY	FR	CLY	3I	Sp	1
						LT	GN	BX	PHC	3I	Py	2
						DK	GY	RB			As	0.1
419.96	423.15	3.19	GRD	MG	Phyllic granodiorite cut by few pyrite-bearing veins and gouge zones. Occasional patches of argillic with potassic overprint. Trace disseminated pyrite in groundmass.							
						LT	WH		ARG	1I		
						LT	GN	PA	PHC	3I	Py	0.1
						LT	PK		POT	1I		
423.15	428.85	5.70	GRD	MG	Fresh granodiorite with patches of weak propylitic, cut by quartz-carbonate veins with proximal phyllic and distal argillic halos. EOH							
						MD	GY	PA	PRO	1I		
						LT	GN		POT	1I		
						LT	WH		PHC	1I		
						LT	PK		ARG	1I		
						MD	GN					

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
0.00	5.18	5.18	0	0	0.00	0	--	--	--	Casing/overburden. No recovery.
5.18	8.23	3.05	1.88	62	0.00	0	--	1H	4W	
8.23	11.28	3.05	2.31	76	0.00	0	--	1H	4W	
11.28	14.33	3.05	2.2	72	0.00	0	--	1H	4W	
14.33	17.37	3.04	2.49	82	0.00	0	--	1H	5W	
17.37	20.42	3.05	2.6	85	0.00	0	--	1H	5W	
20.42	23.47	3.05	2.73	90	0.00	0	--	1H	4W	
23.47	26.52	3.05	2.26	74	0.00	0	--	1H	5W	
26.52	29.57	3.05	2.43	80	0.00	0	--	1H	4W	
29.57	32.61	3.04	2.65	87	0.00	0	--	1H	5W	
32.61	35.66	3.05	2.7	89	0.12	4	--	1H	4W	
35.66	38.71	3.05	2.63	86	0.59	19	--	2H	3W	
38.71	41.76	3.05	2.36	77	0.00	0	--	1H	4W	
41.76	44.81	3.05	2.6	85	0.49	16	--	2H	4W	
44.81	47.85	3.04	2.8	92	0.12	4	--	1H	4W	
47.85	50.90	3.05	2.25	74	0.00	0	--	1H	4W	
50.90	53.95	3.05	2.31	76	0.00	0	--	1H	4W	
53.95	57.00	3.05	2.35	77	0.00	0	--	3H	3W	
57.00	60.05	3.05	2.44	80	0.11	4	--	3H	3W	
60.05	63.09	3.04	2.89	95	0.51	17	--	3H	2W	
63.09	66.14	3.05	2.82	92	1.10	36	--	4H	2W	
66.14	69.19	3.05	3	98	1.98	65	--	4H	1W	
69.19	72.24	3.05	3.05	100	2.76	90	--	3H	1W	
72.24	75.29	3.05	2.92	96	1.15	38	--	3H	1W	
75.29	78.33	3.04	3.04	100	2.51	83	--	3H	1W	
78.33	81.38	3.05	2.98	98	2.84	93	--	3H	1W	
81.38	84.43	3.05	2.86	94	1.81	59	--	3H	1W	
84.43	87.48	3.05	3.03	99	1.97	65	--	3H	1W	
87.48	90.53	3.05	3.05	100	2.83	93	--	4H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
90.53	93.57	3.04	3.03	100	1.67	55	--	3H	1W	
93.57	96.62	3.05	3.05	100	2.45	80	--	4H	1W	
96.62	99.67	3.05	2.91	95	1.70	56	--	4H	1W	
99.67	102.72	3.05	3.05	100	2.53	83	--	3H	1W	
102.72	105.77	3.05	3.03	99	2.17	71	--	3H	1W	
105.77	108.81	3.04	2.99	98	2.85	94	--	4H	1W	
108.81	111.86	3.05	3.02	99	2.45	80	--	4H	1W	
111.86	114.91	3.05	2.9	95	2.29	75	--	4H	1W	
114.91	117.96	3.05	3.05	100	2.50	82	--	4H	1W	
117.96	121.01	3.05	3.03	99	2.43	80	--	4H	1W	
121.01	124.05	3.04	3.04	100	1.90	63	--	4H	1W	
124.05	127.10	3.05	3.02	99	2.76	90	--	4H	1W	
127.10	130.15	3.05	3.03	99	2.00	66	--	3H	1W	
130.15	133.20	3.05	3.02	99	2.59	85	--	4H	1W	
133.20	136.25	3.05	3.05	100	2.01	66	--	4H	1W	
136.25	139.29	3.04	2.96	97	2.31	76	--	4H	1W	
139.29	142.34	3.05	3.01	99	2.68	88	--	4H	1W	
142.34	145.39	3.05	3.05	100	2.73	90	--	4H	1W	
145.39	148.44	3.05	3.05	100	2.97	97	--	4H	1W	
148.44	151.49	3.05	2.99	98	2.77	91	--	3H	1W	
151.49	154.53	3.04	3.01	99	2.75	90	--	4H	1W	
154.53	157.58	3.05	3.04	100	2.90	95	--	4H	1W	
157.58	160.63	3.05	3	98	2.63	86	--	3H	1W	
160.63	163.68	3.05	3.05	100	1.27	42	--	4H	1W	
163.68	166.73	3.05	3.04	100	0.66	22	--	5H	1W	
166.73	169.77	3.04	3.04	100	2.20	72	--	4H	1W	
169.77	172.82	3.05	3.05	100	2.67	88	--	5H	1W	
172.82	175.87	3.05	3.05	100	2.06	68	--	5H	1W	
175.87	178.92	3.05	3.05	100	1.81	59	--	5H	1W	
178.92	181.97	3.05	3.05	100	2.18	71	--	5H	1W	
181.97	185.01	3.04	3.02	99	2.37	78	--	5H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
185.01	188.06	3.05	3	98	2.48	81	--	5H	1W	
188.06	191.11	3.05	3.05	100	2.54	83	--	5H	1W	
191.11	194.16	3.05	3.05	100	1.46	48	--	3H	1W	
194.16	197.21	3.05	2.94	96	2.13	70	--	4H	1W	
197.21	200.25	3.04	3.04	100	1.83	60	--	4H	1W	
200.25	203.30	3.05	3.05	100	2.09	69	--	3H	1W	
203.30	206.35	3.05	3.02	99	0.86	28	--	4H	1W	
206.35	209.40	3.05	3.05	100	2.33	76	--	5H	1W	
209.40	212.45	3.05	2.96	97	1.74	57	--	5H	1W	
212.45	215.49	3.04	3.03	100	2.09	69	--	5H	1W	
215.49	218.54	3.05	3.02	99	2.46	81	--	5H	1W	
218.54	221.59	3.05	3	98	2.31	76	--	4H	1W	
221.59	224.64	3.05	3.03	99	2.37	78	--	4H	1W	
224.64	227.69	3.05	3.02	99	2.76	90	--	5H	1W	
227.69	230.73	3.04	3.04	100	2.22	73	--	5H	1W	
230.73	233.78	3.05	3.01	99	2.27	74	--	4H	1W	
233.78	236.83	3.05	2.98	98	2.83	93	--	4H	1W	
236.83	239.88	3.05	2.98	98	2.58	85	--	4H	1W	
239.88	242.93	3.05	2.95	97	2.23	73	--	4H	1W	
242.93	245.97	3.04	2.93	96	2.55	84	--	4H	1W	
245.97	249.02	3.05	3.02	99	2.01	66	--	3H	1W	
249.02	252.07	3.05	2.99	98	2.89	95	--	5H	1W	
252.07	255.12	3.05	2.97	97	2.78	91	--	4H	1W	
255.12	258.17	3.05	3.05	100	2.49	82	--	4H	1W	
258.17	261.21	3.04	3.04	100	2.85	94	--	4H	1W	
261.21	264.26	3.05	3.03	99	2.54	83	--	4H	1W	
264.26	267.31	3.05	3.05	100	2.72	89	--	4H	1W	
267.31	270.36	3.05	3.02	99	2.25	74	--	4H	1W	
270.36	273.41	3.05	3.05	100	2.78	91	--	4H	1W	
273.41	276.45	3.04	3.04	100	1.77	58	--	4H	1W	
276.45	279.50	3.05	3.04	100	2.27	74	--	4H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
279.50	282.55	3.05	3	98	2.83	93	--	4H	1W	
282.55	285.60	3.05	3.05	100	2.83	93	--	5H	1W	
285.60	288.65	3.05	2.99	98	2.16	71	--	5H	1W	
288.65	291.69	3.04	3.01	99	2.74	90	--	5H	1W	
291.69	294.74	3.05	3.03	99	2.35	77	--	5H	1W	
294.74	297.79	3.05	3.03	99	2.63	86	--	5H	1W	
297.79	300.84	3.05	3.05	100	2.24	73	--	5H	1W	
300.84	303.89	3.05	3.05	100	0.81	27	--	3H	1W	
303.89	306.93	3.04	3.02	99	2.74	90	--	3H	1W	
306.93	309.98	3.05	3.05	100	1.06	35	--	3H	1W	
309.98	313.03	3.05	3.05	100	0.69	23	--	3H	1W	
313.03	316.08	3.05	2.93	96	1.15	38	--	3H	1W	
316.08	319.13	3.05	3.05	100	2.53	83	--	4H	1W	
319.13	322.17	3.04	3.01	99	2.64	87	--	4H	1W	
322.17	325.22	3.05	3.05	100	2.90	95	--	3H	1W	
325.22	328.27	3.05	3.05	100	2.33	76	--	4H	1W	
328.27	331.32	3.05	3.05	100	3.05	100	--	4H	1W	
331.32	334.37	3.05	3.05	100	2.59	85	--	4H	1W	
334.37	337.41	3.04	3.04	100	1.91	63	--	3H	1W	
337.41	340.46	3.05	3.05	100	2.17	71	--	3H	1W	
340.46	343.51	3.05	3.05	100	2.04	67	--	3H	1W	
343.51	346.56	3.05	3.03	99	1.42	47	--	3H	1W	
346.56	349.61	3.05	2.85	93	1.98	65	--	3H	1W	
349.61	352.65	3.04	3.01	99	2.51	83	--	4H	1W	
352.65	355.70	3.05	3.05	100	1.72	56	--	4H	1W	
355.70	358.75	3.05	3.05	100	1.10	36	--	3H	1W	
358.75	361.80	3.05	2.94	96	1.65	54	--	3H	1W	
361.80	364.85	3.05	3.05	100	1.73	57	--	3H	1W	
364.85	367.89	3.04	3.04	100	1.74	57	--	4H	1W	
367.89	370.94	3.05	3.02	99	2.49	82	--	3H	1W	
370.94	373.99	3.05	3.05	100	2.51	82	--	4H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
373.99	377.04	3.05	3.03	99	2.08	68	--	4H	1W	
377.04	380.09	3.05	3.04	100	2.84	93	--	4H	1W	
380.09	383.13	3.04	3.04	100	3.04	100	--	4H	1W	
383.13	386.18	3.05	3.05	100	2.66	87	--	3H	1W	
386.18	389.23	3.05	3.04	100	2.39	78	--	3H	1W	
389.23	392.28	3.05	3.01	99	2.61	86	--	3H	1W	
392.28	395.33	3.05	3.05	100	1.76	58	--	3H	1W	
395.33	398.37	3.04	3.04	100	2.35	77	--	3H	1W	
398.37	401.42	3.05	3.05	100	2.70	89	--	3H	1W	
401.42	404.47	3.05	3.05	100	1.98	65	--	4H	1W	
404.47	407.52	3.05	3.05	100	1.23	40	--	4H	1W	
407.52	410.57	3.05	3.04	100	1.69	55	--	4H	1W	
410.57	413.61	3.04	3.04	100	1.91	63	--	3H	1W	
413.61	416.66	3.05	3.05	100	1.63	53	--	3H	1W	
416.66	419.71	3.05	2.84	93	0.25	8	--	3H	1W	
419.71	422.76	3.05	3.05	100	1.69	55	--	4H	1W	
422.76	425.81	3.05	2.96	97	2.58	85	--	4H	1W	
425.81	428.85	3.04	3.01	99	2.92	96	--	4H	1W	

KL-15-256

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
0.00	0.00	0.00	-QC-	0.00	0	R610077	☐	15-042			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R610089	☐	15-045		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R610101	☐	15-045			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R610104	☐	15-045		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R610107	☐	15-045			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R610125	☐	15-046		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R610131	☐	15-046			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R610139	☐	15-046		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R610144	☐	15-046			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R610161	☐	15-049			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R610164	☐	15-049		KL-STD6	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R610173	☐	15-049		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R610075	☐	15-042		KL-STD6	☐	☐	☐
31.20	31.60	0.40	GRD	0.35	88	R610070	☐	15-042			☐	☐	☐
36.45	36.75	0.30	GRD	0.26	87	R610071	☐	15-042			☐	☐	☐
43.60	44.00	0.40	GRD	0.33	83	R610072	☐	15-042			☐	☐	☐
92.03	92.43	0.40	GRD	0.40	100	R610073	☐	15-042			☐	☐	☐
100.82	101.63	0.81	GRD	0.78	96	R610074	☐	15-042			☐	☐	☐
101.63	102.72	1.09	GRD	1.03	94	R499325	☐	15-056	HG 4		☐	☐	☐
101.63	102.72	1.09	GRD	1.03	94	R499326	☐	15-056	HG 4		☐	☐	☑
102.72	103.31	0.59	GRD	0.58	98	R499327	☐	15-056	HG 4		☐	☐	☐
103.31	103.75	0.44	GRD	0.44	100	R610076	☐	15-042			☐	☐	☐
103.75	104.65	0.90	GRD	0.90	100	R610078	☐	15-042			☐	☐	☐
104.65	105.55	0.90	GRD	0.88	98	R610079	☐	15-042			☐	☐	☐
105.55	107.86	2.31	GRD	2.29	99	R610080	☐	15-042			☐	☐	☐
107.86	108.64	0.78	GRD	0.78	100	R610081	☐	15-042			☐	☐	☐
108.64	110.76	2.12	GRD	2.10	99	R610082	☐	15-042			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
110.76	111.45	0.69	GRD	0.67	97	R610083	☐	15-045			☐	☐	☐
111.45	112.90	1.45	GRD	1.44	99	R610084	☐	15-045			☐	☐	☐
198.92	199.96	1.04	GRD	1.01	97	R610085	☐	15-045			☐	☐	☐
198.92	199.96	1.04	GRD	1.01	97	R610086	☐	15-045			☐	☑	☐
199.96	201.04	1.08	GRD, GRD	1.05	97	R610087	☐	15-045			☐	☐	☐
201.04	201.96	0.92	GRD	0.92	100	R610088	☐	15-045			☐	☐	☐
201.96	202.73	0.77	GRD	0.76	99	R610090	☐	15-045			☐	☐	☐
202.73	203.83	1.10	GRD	1.08	98	R610091	☐	15-045			☐	☐	☐
219.87	221.27	1.40	GRD	1.37	98	R610092	☐	15-045			☐	☐	☐
221.27	222.12	0.85	GRD	0.81	95	R610093	☐	15-045			☐	☐	☐
222.12	222.42	0.30	GRD	0.30	100	R610094	☐	15-045			☐	☐	☐
222.42	223.36	0.94	GRD	0.93	99	R610095	☐	15-045			☐	☐	☐
233.78	235.48	1.70	GRD	1.70	100	R610096	☐	15-045			☐	☐	☐
233.78	235.48	1.70	GRD	1.70	100	R610097	☐	15-045			☐	☐	☑
235.48	236.38	0.90	GRD	0.85	94	R610098	☐	15-045			☐	☐	☐
236.38	238.16	1.78	GRD	1.77	99	R610099	☐	15-045			☐	☐	☐
238.16	238.48	0.32	GRD	0.32	100	R610100	☐	15-045			☐	☐	☐
238.48	239.88	1.40	GRD	1.38	99	R610102	☐	15-045			☐	☐	☐
239.88	241.68	1.80	GRD	1.76	98	R610103	☐	15-045			☐	☐	☐
241.68	243.10	1.42	GRD	1.42	100	R610105	☐	15-045			☐	☐	☐
243.10	243.54	0.44	GRD	0.44	100	R610106	☐	15-045			☐	☐	☐
243.54	244.64	1.10	GRD	1.10	100	R610108	☐	15-045			☐	☐	☐
244.64	245.52	0.88	GRD	0.79	90	R610109	☐	15-045			☐	☐	☐
245.52	245.85	0.33	GRD	0.29	88	R610110	☐	15-045			☐	☐	☐
245.85	246.16	0.31	GRD	0.31	100	R610111	☐	15-045			☐	☐	☐
246.16	246.85	0.69	GRD	0.65	94	R610112	☐	15-045			☐	☐	☐
246.85	247.58	0.73	GRD	0.73	100	R610113	☐	15-045			☐	☐	☐
247.58	248.38	0.80	GRD	0.80	100	R610114	☐	15-045			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
248.38	249.57	1.19	GRD	1.18	99	R610115	☐	15-045			☐	☐	☐
249.57	251.31	1.74	GRD	1.74	100	R610116	☐	15-045			☐	☐	☐
251.31	253.94	2.63	GRD	2.41	92	R610117	☐	15-045			☐	☐	☐
253.94	256.84	2.90	GRD	2.88	99	R610118	☐	15-045			☐	☐	☐
256.84	257.40	0.56	GRD	0.56	100	R610119	☐	15-046			☐	☐	☐
257.40	259.23	1.83	GRD	1.82	99	R610120	☐	15-046			☐	☐	☐
259.23	261.12	1.89	GRD	1.88	99	R610121	☐	15-046			☐	☐	☐
259.23	261.12	1.89	GRD	1.88	99	R610122	☐	15-046			☐	☑	☐
261.12	262.23	1.11	GRD	1.11	100	R610123	☐	15-046			☐	☐	☐
271.41	272.47	1.06	GRD	1.05	99	R610124	☐	15-046			☐	☐	☐
272.47	274.36	1.89	GRD	1.88	99	R610126	☐	15-046			☐	☐	☐
274.36	276.35	1.99	GRD	1.95	98	R610127	☐	15-046			☐	☐	☐
274.36	276.35	1.99	GRD	1.95	98	R610128	☐	15-046			☐	☐	☑
276.35	277.52	1.17	GRD	1.14	97	R610129	☐	15-046			☐	☐	☐
277.52	278.49	0.97	GRD	0.95	98	R610130	☐	15-046			☐	☐	☐
278.49	279.30	0.81	GRD	0.80	99	R610132	☐	15-046			☐	☐	☐
279.30	281.17	1.87	GRD	1.83	98	R610133	☐	15-046			☐	☐	☐
281.17	281.96	0.79	GRD	0.77	97	R610134	☐	15-046			☐	☐	☐
281.96	282.82	0.86	GRD	0.86	100	R610135	☐	15-046			☐	☐	☐
299.32	300.28	0.96	GRD	0.94	98	R610136	☐	15-046			☐	☐	☐
300.28	300.70	0.42	GRD	0.42	100	R610137	☐	15-046			☐	☐	☐
300.70	301.51	0.81	GRD	0.70	86	R610138	☐	15-046			☐	☐	☐
301.51	301.92	0.41	GRD	0.38	93	R610140	☐	15-046			☐	☐	☐
301.92	304.69	2.77	GRD, GRD	2.67	96	R610141	☐	15-046			☐	☐	☐
304.69	306.18	1.49	GRD	1.47	99	R610142	☐	15-046			☐	☐	☐
306.18	306.60	0.42	GRD	0.42	100	R610143	☐	15-046			☐	☐	☐
306.60	307.40	0.80	GRD	0.80	100	R610145	☐	15-046			☐	☐	☐
321.57	322.46	0.89	GRD	0.89	100	R610146	☐	15-046			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
322.46	323.45	0.99	GRD	0.98	99	R610147	☐	15-046			☐	☐	☐
323.45	325.22	1.77	GRD	0.83	47	R610148	☐	15-046			☐	☐	☐
325.22	326.31	1.09	GRD	1.09	100	R610149	☐	15-046			☐	☐	☐
345.41	345.85	0.44	GRD, GRD	0.44	100	R610150	☐	15-046			☐	☐	☐
345.85	346.52	0.67	GRD	0.67	100	R610151	☐	15-046			☐	☐	☐
346.52	347.58	1.06	GRD	0.77	73	R610152	☐	15-046			☐	☐	☐
347.58	350.03	2.45	GRD	2.42	99	R610153	☐	15-046			☐	☐	☐
368.23	368.95	0.72	GRD	0.72	100	R610154	☐	15-046			☐	☐	☐
368.95	369.29	0.34	GRD	0.31	91	R610155	☐	15-049			☐	☐	☐
369.29	370.34	1.05	GRD	0.92	88	R610156	☐	15-049			☐	☐	☐
385.10	385.93	0.83	GRD	0.83	100	R610157	☐	15-049			☐	☐	☐
385.10	385.93	0.83	GRD	0.83	100	R610158	☐	15-049			☐	☐	☑
385.93	386.96	1.03	GRD	1.03	100	R610159	☐	15-049			☐	☐	☐
386.96	387.58	0.62	GRD	0.60	97	R610160	☐	15-049			☐	☐	☐
387.58	388.62	1.04	GRD	0.93	89	R610162	☐	15-049			☐	☐	☐
388.62	390.02	1.40	GRD	1.35	96	R610163	☐	15-049			☐	☐	☐
390.02	391.00	0.98	GRD	0.94	96	R610165	☐	15-049			☐	☐	☐
391.00	391.97	0.97	GRD	0.95	98	R610166	☐	15-049			☐	☐	☐
391.97	392.39	0.42	GRD	0.42	100	R610167	☐	15-049			☐	☐	☐
392.39	394.21	1.82	GRD	1.81	99	R610168	☐	15-049			☐	☐	☐
394.21	395.84	1.63	GRD	1.63	100	R610169	☐	15-049			☐	☐	☐
395.84	398.37	2.53	GRD	2.53	100	R610170	☐	15-049			☐	☐	☐
398.37	399.13	0.76	GRD	0.76	100	R610171	☐	15-049			☐	☐	☐
412.74	413.61	0.87	GRD	0.85	98	R610172	☐	15-049			☐	☐	☐
413.61	415.55	1.94	GRD	1.94	100	R610174	☐	15-049			☐	☐	☐
415.55	416.21	0.66	GRD	0.62	94	R610175	☐	15-049			☐	☐	☐
416.21	416.76	0.55	GRD, GRD	0.55	100	R499335	☐	15-056	HG 4		☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
416.76	417.72	0.96	GRD	0.53	55	R499336	☐	15-056	HG 4		☐	☐	☐
417.72	419.00	1.28	GRD	1.07	84	R610176	☐	15-049			☐	☐	☐
419.00	419.46	0.46	GRD	0.40	87	R610177	☐	15-049			☐	☐	☐
419.46	419.96	0.50	GRD	0.49	98	R499338	☐	15-056	HG 4		☐	☐	☐
419.96	420.82	0.86	GRD, GRD	0.76	88	R610178	☐	15-049			☐	☐	☐
420.82	422.23	1.41	GRD	1.35	96	R610179	☐	15-049			☐	☐	☐
422.23	423.83	1.60	GRD	1.56	98	R610180	☐	15-049			☐	☐	☐
422.23	423.83	1.60	GRD	1.56	98	R610181	☐	15-049			☐	☑	☐

Klaza - Klaza Project

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		382824	6890304	1359.89	157.89

ZONE: Central Klaza

SECTION:

HOLE: KL-15-257

CLAIM:

Contractor: Platinum

Drill: 2

Core Size: HQ

Casing Depth: 3.15m, Out

Drilling Dates: Jul 05 - Jul 06, 2015

Geology Logged By: D. Walsh

SURVEY			
Depth (m)	Azimuth	Dip	Method
5.48	34.7	-49.4	Reflex
157.88	36.9	-48.9	Reflex

TARGET:

SUMMARY			
From (m)	To (m)	Interval (m)	Rock Type
0	3.15	3.15	CAS
3.15	38.21	35.06	GRD
38.21	41.43	3.22	GRD
41.43	58.67	17.24	GRD
58.67	68.99	10.32	GRD
68.99	70.92	1.93	GRD
70.92	77.04	6.12	QFP
77.04	78.07	1.03	GRD
78.07	87.78	9.71	GRD
87.78	90.05	2.27	GRD
90.05	97.74	7.69	GRD
97.74	98.51	0.77	QFP
98.51	101	2.49	GRD
101	102.07	1.07	BXA
102.07	106.87	4.8	GRD
106.87	107.64	0.77	BXA

SAMPLES	
Numbers:	R499328 to R499334, R499752 to R499800, R610501 to R610549
Total:	105
Batch:	044, 047, 048, 056
Certificates:	WH15102117, WH15102125, WH15102127, WH15102145, WH15102149, WH15109554

COMMENTS

107.64	110.09	2.45	QFP
110.09	110.43	0.34	BXA
110.43	113.82	3.39	GRD
113.82	115.75	1.93	QFP
115.75	122.33	6.58	GRD
122.33	122.78	0.45	BXA
122.78	125	2.22	GRD
125	125.66	0.66	BXA
125.66	131.56	5.9	GRD
131.56	131.96	0.4	BXA
131.96	140.48	8.52	GRD
140.48	146	5.52	GRD
146	157.89	11.89	GRD

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
3.15	3.36	0.21	GRD	MG	Primarily unaltered granodiorite with moderate to strong oxidation along fracture surfaces.							
						MD	OR					
						MD	GY		OXI	3I		
						LT	GY		OXI	4I		
3.36	4.04	0.68	GRD	MG	Pervasively oxidized partially rubbly moderately argillic altered granodiorite.							
						MD	OR	RB	OXI	3I		
									OXI	4I		
4.04	4.60	0.56	GRD	MG	Primarily unaltered granodiorite with moderate to strong oxidation along fracture surfaces.							
						MD	GY		OXI	3I		
						MD	OR					
						LT	GY		OXI	4I		
4.60	5.18	0.58	GRD	MG	Pervasively oxidized moderately argillic altered granodiorite.							
						MD	OR		ARG	3I		
									OXI	3I		
									OXI	4I		
5.18	25.96	20.78	GRD	MG	Primarily unaltered granodiorite with moderate to strong oxidation along fracture surfaces.							
						MD	OR					
						MD	GY		OXI	3I		
						LT	GY		OXI	4I		
25.96	26.36	0.40	GRD	MG	Silicified moderate phyllic envelope surrounding a oxidized quartz/carbonate vein.							
						MD	GN		PHC	3I		
						LT	GN	EN	SIL	3I		
26.36	36.38	10.02	GRD	MG	Primarily unaltered granodiorite with moderate to strong oxidation along fracture surfaces.							
						MD	GY		OXI	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	OR					
						LT	GY		OXI	4I		
36.38	38.21	1.83	GRD	MG	Weak potassic/propyllitic alteration separating multiple medium sized phyllic envelopes occurring around multiple quartz /carbonate veins and breccias.							
						MD	GN		SIL	3I		
						MD	PK					
						MD	GY		POT	2I		
						LT	GN	EN	PHC	3I		
						DK	GN		PRO	2I		
38.21	41.43	3.22	GRD	MG	Moderate phyllic altered granodiorite with moderate to strong oxidation along fracture surfaces. Hosts multiple quartz sulphide veins. Phyllic alteration around veining hosts disseminated pyrite.							
						MD	GN		OXI	3I		
						LT	GN		PHC	3I	Py	1
									OXI	4I		
41.43	41.83	0.40	GRD	MG	Trace to weak propyllitic potassic altered granodiorite. Weak oxidation along fracture surfaces.							
						MD	GY		OXI	2I		
						MD	PK		PRO	1I		
						DK	GN		PRO	2I		
									POT	1I		
									POT	2I		
41.83	43.54	1.71	GRD	MG	Pervasively weak to moderately oxidized moderate phyllic altered granodiorite.							
						MD	GN		PHC	3I		
						MD	OR		OXI	3I		
									OXI	2I		
43.54	58.67	15.13	GRD	MG	Trace to weak propyllitic potassic altered granodiorite. Weak oxidation along fracture surfaces.							
						MD	GY		OXI	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	PK		PRO	1I		
						DK	GN		PRO	2I		
									POT	2I		
									POT	1I		
58.67	60.13	1.46	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite.							
						MD	PK		POT	2I		
						MD	GY		PRO	2I		
						DK	GN		PRO	1I		
									POT	1I		
60.13	60.87	0.74	GRD	MG	Rubbly and broken up weakly argillic/propyllitic altered granodiorite.							
						LT	GY	RB	ARG	2I		
						DK	GN		PRO	2I		
60.87	63.11	2.24	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite.							
						MD	GY		PRO	2I		
						MD	PK		POT	2I		
						DK	GN		PRO	1I		
									POT	1I		
63.11	64.19	1.08	GRD	MG	Moderate phyllic and trace potassic altered granodiorite. Grandiose is brecciated by a large black breccia.							
						MD	GN		POT	1I		
						LT	GN	BX	PHC	3I		
64.19	64.93	0.74	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite.							
						MD	PK		POT	2I		
						MD	GY		PRO	2I		
						DK	GN		PRO	1I		
									POT	1I		
64.93	65.35	0.42	GRD	MG	Silicified moderate phyllic altered granodiorite hosting multiple quartz/sulphide veinlets.							
						MD	GN		SIL	3I		
						LT	GN		PHC	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
65.35	65.83	0.48	GRD	MG	Rubbly and broken up weakly argillic/propyllitic altered granodiorite.							
						LT	GY	RB	PRO	2I		
						LT	WH		ARG	2I		
						DK	GN					
65.83	68.99	3.16	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite.							
						MD	GY		PRO	2I		
						MD	PK		POT	2I		
						DK	GN		PRO	1I		
									POT	1I		
68.99	70.92	1.93	GRD	MG	Moderately phyllic altered granodiorite with patchy weak to moderate argillic alteration. Hosts an abundance of quartz/carbonate/sulphide veining and black breccias.							
						MD	GN		PHC	3I		
						LT	GN		ARG	2I		
									ARG	2I		
70.92	77.04	6.12	QFP	FG	Light grey/green quartz feldspar porphyry dyke. Sporadic weak oxidation along fracture surfaces.							
						LT	GY		OXI	2I		
						LT	GN					
77.04	78.07	1.03	GRD	MG	Moderate phyllic altered granodiorite transitioning to moderate potassic/argillic/propyllitic alteration distally from dyke contact.							
						MD	PK		POT	3I		
						LT	GN		PHC	3I		
						LT	WH		PRO	3I		
						DK	GN		ARG	3I		
78.07	79.49	1.42	GRD	MG	Moderate propyllitic and weak potassic altered granodiorite.							
						MD	GY		PRO	3I		
						DK	GN		POT	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
79.49	83.97	4.48	GRD	MG	Alternating patches of weak to moderate potassic/propyllitic/argillic alteration, phyllic propyllitic alteration and moderate propyllitic alteration.							
						MD	GN		POT	3I		
						MD	PK		PRO	2I		
						LT	WH	PA	PRO	3I		
						DK	GN		POT	2I		
									ARG	2I		
									ARG	3I		
									PHC	3I		
83.97	86.81	2.84	GRD	MG	Moderately propyllitic altered granodiorite with phyllic envelopes around quartz/carbonate veining. Distal argillic alteration from veining tends to be less competent and rubbly.							
						MD	GN		PHC	3I		
						LT	WH		ARG	2I		
						DK	GN	RB	PRO	3I		
86.81	87.78	0.97	GRD	MG	Moderate propyllitic and weak potassic altered granodiorite.							
						MD	GY		PRO	3I		
						DK	GN		POT	2I		
87.78	90.05	2.27	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite.							
						MD	GY		PRO	2I		
									PRO	1I		
									POT	2I		
									POT	1I		
90.05	97.74	7.69	GRD	MG	Moderately phyllic altered granodiorite hosting . Has multiple zones of weak to moderate gouge alteration. Host and abundance of dispersed quartz/carbonate/sulphide veins veinlets and breccias. Disseminated pyrite is found in halos around veining.							
						MD	GN		PHC	3I	Py	1
						LT	GN					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
97.74	98.51	0.77	QFP	MG	Partially gouge altered light grey/tan quartz feldspar porphyry dyke.							
								PO				
98.51	101.00	2.49	GRD	MG	Partially gouge altered moderately phyllic altered granodiorite with patchy weak potassic alteration.							
						MD	PK					
						MD	GN		PHC	3I		
						LT	GN		POT	2I		
						LT	GY					
101.00	102.07	1.07	BXA	--	Central Klaza breccia. Strongly gouge altered smoky quartz breccia. Gouge alteration obliterates rock textures. Clasts are moderate to strong phyllic altered granodiorite. Appears to be smoky/semi-massive sulphide veining in the upper third of the interval. Gouge alteration makes it difficult to determine. Disseminated pyrite is found throughout the interval. Blebby to semi-massive pyrite, arsenopyrite, galena and disseminated sphalerite and found in specific sections.							
						MD	GN				As	3
						LT	GN		PHC	4I	Py	3
						DK	GY	BX	PHC	3I	Py	2
											Gn	3
											Sp	1
102.07	106.87	4.80	GRD	MG	Moderate to strongly phyllic altered granodiorite with patchy weak potassic alteration. Host dissmeinated pyirte and an abundance of quartz/sulphide +/- carbonate veins and veinlets. Patches of partial gouge alteration occuring primarilily in area of heavy alteration and veining,							
						MD	PK					
						MD	GN		PHC	4I		
						LT	GN		PHC	3I	Py	1
						LT	GY		POT	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
106.87	107.64	0.77	BXA	--	Central Klaza breccia. Strongly gouge altered smoky quartz breccia. Gouge alteration obliterates rock textures. Clasts are moderate to strong phyllic altered granodiorite. Gouge alteration makes it difficult to determine. Disseminated pyrite is found throughout the interval. Appears to be minor amounts of polymetallic/smoky quartz veining hosting disseminated to blebby pyrite, arsenopyrite, galena and sphalerite.							
						MD	GN		PHC	4I	Sp	1
						DK	GY	BX	PHC	3I	Py	1
											As	1
											Gn	1
107.64	110.09	2.45	QFP	FG	Light grey, tan and orange quartz feldspar porphyry dyke.							
						LT	GY	PO				
						LT	TN					
						LT	OR					
110.09	110.43	0.34	BXA	FG	Smoky quartz breccia at dyke contact. Has pebble to cobble sized clasts of phyllic granodiorite and pebbles sized clasts of quartz feldspar porphyry dyke and quartz vein that hosts disseminated to blebby pyrite, arsenopyrite, galena and honey brown sphalerite.							
						MD	GN				Sp	1
						DK	GY	BX	PHC	3I	Py	1
											Gn	1
											As	1
110.43	113.82	3.39	GRD	MG	Moderately phyllic altered granodiorite with patchy weak to moderate propyllitic alteration. Hosts an abundance of smoky quartz stringers that for a net and a few quartz/pyrite vein/veinlets.							
						MD	GN	PA	PHC	3I		
						LT	GN		PRO	3I		
						DK	GN		PRO	2I		
113.82	115.75	1.93	QFP	FG	Light grey/orange quartz feldspar porphyry dyke.							
						LT	GY	PO				
						LT	OR					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
115.75	122.33	6.58	GRD	MG	Moderate to strongly phyllic altered granodiorite with patchy weak potassic alteration. Host dissmeinated pyirte and an abundance of quartz/sulphide +/- carbonate veins and veinlets. Patches of partial gouge alteration occuring primarilily in area of heavy alteration and veining,							
						MD	GN		PHC	4I		
						MD	PK					
						LT	GN		PHC	3I	Py	1
						LT	GY		POT	2I		
122.33	122.78	0.45	BXA	--	Partially gouge altered smoky quartz breccia with pebble to cobble sized phyllic granodiorite clasts. Cream carbonate veinlets and stringer are present cutting and weakly brecciating the quartz breccia. Quartz matrix hosts disseminated pyrite.							
						MD	GN					
						DK	GY	BX	PHC	3I	Py	1
122.78	123.21	0.43	GRD	MG	Moderate phyllic altered granodiorite.							
						MD	GN		PHC	3I		
123.21	124.36	1.15	GRD	MG	Moderate propyllitic altered granodiorite.							
						MD	GY					
						DK	GN		PRO	3I		
124.36	125.00	0.64	GRD	MG	Moderate phyllic altered granodiorite.							
						MD	GN		PHC	3I		
125.00	125.66	0.66	BXA	MG	Partially gouge altered smoky quartz breccia with pebble sized phyllic granodiorite clasts. Tan ankerite vein is present cutting the quartz breccia. Quartz matrix hosts disseminated pyrite.							
						MD	GN					
						DK	GY	BX	PHC	3I	Py	1
125.66	126.27	0.61	GRD	MG	Moderate phyllic altered granodiorite. Hosts an abundance of quartz/carbonate veins and veinlets.							
						MD	GN		PHC	3I		
						LT	GN					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
126.27	127.15	0.88	GRD	MG	Moderate propyllitic altered granodiorite.							
						MD	GY					
						DK	GN		PRO	3I		
127.15	128.48	1.33	GRD	MG	Moderate phyllic altered granodiorite. Hosts an abundance of quartz/carbonate veins and veinlets and a large smoky quartz breccia.							
						MD	GN		PHC	3I		
						LT	GN					
128.48	129.17	0.69	GRD	MG	Moderate propyllitic altered granodiorite.							
						MD	GY					
						DK	GN		PRO	3I		
129.17	131.56	2.39	GRD	MG	Moderate phyllic altered granodiorite. Hosts an abundance of quartz/carbonate veins and veinlets.							
						MD	GN		PHC	3I		
						LT	GN					
131.56	131.96	0.40	BXA	--	Multiphase breccia. Smoky quartz initially brecciates phyllic granodiorite and poly metallic smoky quartz vein hosting disseminated to blebby pyrite, galena and sphalerite. This breccia in turn brecciated by cream carbonate veinlets and stringers. Smoky quartz matrix hosts disseminated pyrite.							
						MD	GN				Sp	1
						DK	GY	BX	PHC	3I	Py	1
											Gn	1
131.96	133.45	1.49	GRD	MG	Moderate phyllic altered granodiorite. Hosts multiple quartz/carbonate veins and veinlets.							
						LT	GN		PHC	3I		
133.45	134.89	1.44	GRD	MG	Weak to moderate potassic/propyllitic altered granodiorite.							
						MD	PK		POT	2I		
						MD	GY		PRO	2I		
						DK	GN		PRO	3I		
									POT	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
134.89	136.83	1.94	GRD	MG	Weak to moderate phyllic altered granodiorite. Hosts multiple quartz/carbonate veins and veinlets.							
						LT	GN		PHC	2I		
									PHC	3I		
136.83	138.62	1.79	GRD	MG	Weak to moderate potassic/propyllitic altered granodiorite.							
						MD	GY		PRO	2I		
						MD	PK		POT	2I		
						DK	GN		PRO	3I		
									POT	3I		
138.62	140.48	1.86	GRD	MG	Silicified weak propyllitic/phyllic altered granodiorite. Hosts and abundance of quartz pyrite stringers.							
						MD	GY		SIL	3I		
						LT	GN		SIL	4I		
						DK	GN		PRO	2I		
									PHC	2I		
140.48	146.00	5.52	GRD	MG	Weakly to moderately phyllic overprinted moderate argillic alteration. Hosts an abundance of quartz/pyrite veinlets and stringers.							
						LT	WH		PHC	3I		
						LT	GN		PHC	2I		
									ARG	3I		
146.00	147.63	1.63	GRD	MG	Weakly potassic/propyllitic altered granodiorite.							
						MD	GY		PRO	2I		
						MD	PK					
						DK	GN		POT	2I		
147.63	148.80	1.17	GRD	MG	Moderate phyllic envelope around a quartz/carbonate vein breccia and multiple quartz/pyrite veinlets.							
						LT	GN	EN	PHC	3I		
148.80	157.89	9.09	GRD	MG	Weakly potassic/propyllitic altered granodiorite.							
						MD	PK					
						MD	GY		PRO	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						DK	GN		POT	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
3.15	38.21	35.06	GRD	MG	Primarily unaltered granodiorite with moderate to strong oxidation along fracture surfaces. Oxidation intensity decreases with depth.							
						MD	GY		OXI	3I		
						LT	GY		OXI	4I		
						MD	OR					
38.21	41.43	3.22	GRD	MG	Moderate phyllic altered granodiorite with moderate to strong oxidation along fracture surfaces. Hosts multiple quartz sulphide veins. Phyllic alteration around veining hosts disseminated pyrite.							
									OXI	4I		
						MD	GN		OXI	3I		
						LT	GN		PHC	3I	Py	1
41.43	58.67	17.24	GRD	MG	Trace to weak propyllitic potassic altered granodiorite. Weak oxidation along fracture surfaces.							
						MD	GY		OXI	2I		
						DK	GN		PRO	2I		
						MD	PK		PRO	1I		
									POT	2I		
									POT	1I		
58.67	68.99	10.32	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite.							
						MD	GY		PRO	2I		
						DK	GN		PRO	1I		
						MD	PK		POT	2I		
									POT	1I		
68.99	70.92	1.93	GRD	MG	Moderately phyllic altered granodiorite with patchy weak to moderate argillic alteration. Hosts an abundance of quartz/carbonate/sulphide veining and black breccias.							
									ARG	2I		
						LT	GN		ARG	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GN		PHC	3I		
70.92	77.04	6.12	QFP	FG	Light grey/green quartz feldspar porphyry dyke. Sporadic weak oxidation along fracture surfaces.							
						LT	GY		OXI	2I		
						LT	GN					
77.04	78.07	1.03	GRD	MG	Moderate phyllic altered granodiorite transitioning to moderate potassic/argillic/propyllitic alteration distally from dyke contact.							
						MD	PK		POT	3I		
						DK	GN		ARG	3I		
						LT	WH		PRO	3I		
						LT	GN		PHC	3I		
78.07	87.78	9.71	GRD	MG	Moderate propyllitic and weak potassic altered granodiorite.							
						DK	GN		POT	2I		
						MD	GY		PRO	3I		
87.78	90.05	2.27	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite.							
									POT	1I		
									POT	2I		
									PRO	1I		
						MD	GY		PRO	2I		
90.05	97.74	7.69	GRD	MG	Moderately phyllic altered granodiorite hosting . Has multiple zones of weak to moderate gouge alteration. Host and abundance of dispersed quartz/carbonate/sulphide veins veinlets and breccias. Disseminated pyrite is found in halos around veining.							
						MD	GN		PHC	3I	Py	1
						LT	GN					
97.74	98.51	0.77	QFP	FG	Partially gouge altered light grey/tan quartz feldspar porphyry dyke.							
								PO				
98.51	101.00	2.49	GRD	MG	Partially gouge altered moderately phyllic altered granodiorite with patchy weak potassic alteration.							
						LT	GY					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	GN		POT	2I		
						MD	GN		PHC	3I		
						MD	PK					
101.00	102.07	1.07	BXA	--	Central Klaza breccia. Strongly gouge altered smoky quartz breccia. Gouge alteration obliterates rock textures. Clasts are moderate to strong phyllic altered granodiorite. Appears to be smoky/semi-massive sulphide veining in the upper third of the interval. Gouge alteration makes it difficult to determine. Disseminated pyrite is found throughout the interval. Blebby to semi-massive pyrite, arsenopyrite, galena and disseminated sphalerite and found in specific sections.							
						LT	GN		PHC	4I	Py	3
						MD	GN				As	3
											Sp	1
											Gn	3
						DK	GY	BX	PHC	3I	Py	2
102.07	106.87	4.80	GRD	MG	Moderate to strongly phyllic altered granodiorite with patchy weak potassic alteration. Host dissmeinated pyirte and an abundance of quartz/sulphide +/- carbonate veins and veinlets. Patches of partial gouge alteration occuring primarilily in area of heavy alteration and veining,							
						LT	GY		POT	2I		
						MD	GN		PHC	4I		
						MD	PK					
						LT	GN		PHC	3I	Py	1
106.87	107.64	0.77	BXA	--	Central Klaza breccia. Strongly gouge altered smoky quartz breccia. Gouge alteration obliterates rock textures. Clasts are moderate to strong phyllic altered granodiorite. Gouge alteration makes it difficult to determine. Disseminated pyrite is found throughout the interval. Appears to be minor amounts of polymetallic/smoky quartz veining hosting disseminated to blebby pyrite, arsenopyrite, galena and sphalerite.							
						DK	GY	BX	PHC	3I	Py	1
						MD	GN		PHC	4I	Sp	1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
											Gn	1
											As	1
107.64	110.09	2.45	QFP	FG	Light grey, tan and orange quartz feldspar porphyry dyke.							
						LT	OR					
						LT	TN					
						LT	GY	PO				
110.09	110.43	0.34	BXA	FG	Smoky quartz breccia at dyke contact. Has pebble to cobble sized clasts of phyllic granodiorite and pebbles sized clasts of quartz feldspar porphyry dyke and quartz vein that hosts disseminated to blebby pyrite, arsenopyrite, galena and honey brown sphalerite.							
						MD	GN				Sp	1
											As	1
						DK	GY	BX	PHC	3I	Py	1
											Gn	1
110.43	113.82	3.39	GRD	MG	Moderately phyllic altered granodiorite with patchy weak to moderate propyllitic alteration. Hosts an abundance of smoky quartz stringers that for a net and a few quartz/pyrite vein/veinlets.							
						LT	GN		PRO	3I		
						DK	GN		PRO	2I		
						MD	GN	PA	PHC	3I		
113.82	115.75	1.93	QFP	FG	Light grey/orange quartz feldspar porphyry dyke.							
						LT	OR					
						LT	GY	PO				
115.75	122.33	6.58	GRD	MG	Moderate to strongly phyllic altered granodiorite with patchy weak potassic alteration. Host dissmeinated pyirte and an abundance of quartz/sulphide +/- carbonate veins and veinlets. Patches of partial gouge alteration occuring primarilily in area of heavy alteration and veining,							
						LT	GN		PHC	3I	Py	1
						MD	GN		PHC	4I		
						LT	GY		POT	2I		
						MD	PK					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
122.33	122.78	0.45	BXA	--	Partially gouge altered smoky quartz breccia with pebble to cobble sized phyllic granodiorite clasts. Cream carbonate veinlets and stringer are present cutting and weakly brecciating the quartz breccia. Quartz matrix hosts disseminated pyrite.							
						DK	GY	BX	PHC	3I	Py	1
						MD	GN					
122.78	125.00	2.22	GRD	MG	Moderate phyllic altered granodiorite with a large patch of moderate propyllitic altered granodiorite in the center of the interval.							
						DK	GN		PRO	3I		
						MD	GN		PHC	3I		
125.00	125.66	0.66	BXA	MG	Partially gouge altered smoky quartz breccia with pebble sized phyllic granodiorite clasts. Tan ankerite vein is present cutting the quartz breccia. Quartz matrix hosts disseminated pyrite.							
						DK	GY	BX	PHC	3I	Py	1
						MD	GN					
125.66	131.56	5.90	GRD	MG	Moderate phyllic altered granodiorite with patches of moderate propyllitic alteration. Hosts an abundance of quartz/carbonate veins and veinlets.							
						MD	GN		PHC	3I		
						DK	GN					
						LT	GN		PRO	3I		
131.56	131.96	0.40	BXA	--	Multiphase breccia. Smoky quartz initially brecciates phyllic granodiorite and poly metallic smoky quartz vein hosting disseminated to blebby pyrite, galena and sphalerite. This breccia in turn brecciated by cream carbonate veinlets and stringers. Smoky quartz matrix hosts disseminated pyrite.							
						DK	GY	BX	PHC	3I	Py	1
						MD	GN				Sp	1
											Gn	1
131.96	140.48	8.52	GRD	MG	Moderate phyllic altered granodiorite with patches of weak to moderate propyllitic/potassic alteration.							
									POT	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	PK		POT	2I		
						DK	GN		PRO	3I		
						MD	GY		PRO	2I		
						LT	GN	PA	PHC	3I		
140.48	146.00	5.52	GRD	MG	Weakly to moderately phyllic overprinted moderate argillic alteration. Hosts an abundance of quartz/pyrite veinlets and stringers.							
									ARG	3I		
						LT	GN		PHC	2I		
						LT	WH		PHC	3I		
146.00	157.89	11.89	GRD	MG	Weakly potassic/propyllitic altered granodiorite. Moderate phyllic envelopes around veining.							
						DK	GN		POT	2I		
						MD	PK					
						MD	GY		PRO	2I		

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
0.00	3.15	3.15	0	0	0.00	0	--	--	--	Casing/overburden. No recovery.
3.15	5.18	2.03	2.03	100	0.87	43	--	2H	3W	
5.18	8.53	3.35	3.35	100	2.04	61	--	4H	2W	
8.53	11.58	3.05	3.03	99	2.32	76	--	4H	2W	
11.58	14.63	3.05	3.05	100	2.74	90	--	4H	2W	
14.63	17.68	3.05	3.05	100	2.24	73	--	4H	2W	
17.68	20.73	3.05	2.96	97	2.25	74	--	4H	2W	
20.73	23.77	3.04	3.02	99	2.37	78	--	4H	2W	
23.77	26.82	3.05	3.05	100	2.48	81	--	4H	2W	
26.82	29.87	3.05	3.01	99	2.03	67	--	3H	2W	
29.87	32.92	3.05	3.04	100	1.91	63	--	4H	2W	
32.92	35.97	3.05	2.95	97	1.36	45	--	4H	2W	
35.97	39.01	3.04	3.04	100	2.90	95	--	4H	2W	
39.01	42.06	3.05	3.05	100	1.88	62	--	4H	2W	
42.06	45.11	3.05	3.05	100	2.71	89	--	4H	2W	
45.11	48.16	3.05	3.02	99	2.51	82	--	4H	1W	
48.16	51.21	3.05	3.05	100	2.77	91	--	4H	1W	
51.21	54.25	3.04	2.96	97	2.20	72	--	4H	1W	
54.25	57.30	3.05	3.05	100	2.54	83	--	4H	1W	
57.30	60.35	3.05	3.05	100	2.86	94	--	4H	1W	
60.35	63.40	3.05	3.05	100	2.12	70	--	4H	1W	
63.40	66.45	3.05	3.05	100	2.34	77	--	4H	1W	
66.45	69.49	3.04	2.98	98	2.12	70	--	4H	1W	
69.49	72.54	3.05	3.05	100	2.25	74	--	4H	1W	
72.54	75.59	3.05	3.02	99	2.83	93	--	4H	1W	
75.59	78.64	3.05	2.93	96	2.24	73	--	4H	1W	
78.64	81.69	3.05	3.05	100	1.74	57	--	4H	1W	
81.69	84.73	3.04	2.99	98	2.08	68	--	3H	1W	
84.73	87.78	3.05	3.05	100	1.94	64	--	4H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
87.78	90.83	3.05	3.05	100	2.10	69	--	3H	1W	
90.83	93.88	3.05	2.99	98	2.02	66	--	3H	1W	
93.88	96.92	3.04	3.02	99	2.39	79	--	3H	1W	
96.92	99.97	3.05	3.03	99	1.55	51	--	3H	1W	
99.97	103.02	3.05	3.05	100	2.66	87	--	2H	1W	
103.02	106.07	3.05	3.05	100	2.44	80	--	3H	1W	
106.07	109.12	3.05	3.04	100	1.94	64	--	3H	1W	
109.12	112.17	3.05	3.05	100	2.53	83	--	4H	1W	
112.17	115.21	3.04	3.03	100	2.26	74	--	4H	1W	
115.21	118.26	3.05	3.05	100	2.46	81	--	4H	1W	
118.26	121.31	3.05	3.05	100	2.68	88	--	3H	1W	
121.31	124.36	3.05	3.05	100	2.22	73	--	2H	1W	
124.36	127.41	3.05	2.99	98	2.46	81	--	3H	1W	
127.41	130.45	3.04	3.04	100	2.80	92	--	4H	1W	
130.45	133.50	3.05	2.89	95	2.05	67	--	4H	1W	
133.50	136.55	3.05	3.05	100	2.82	92	--	4H	1W	
136.55	139.60	3.05	3.05	100	3.05	100	--	4H	1W	
139.60	142.65	3.05	3.05	100	2.70	89	--	3H	1W	
142.65	145.69	3.04	2.95	97	2.46	81	--	4H	1W	
145.69	148.74	3.05	3.03	99	2.77	91	--	4H	1W	
148.74	151.79	3.05	2.8	92	2.66	87	--	4H	1W	
151.79	154.84	3.05	3.05	100	3.05	100	--	4H	1W	
154.84	157.89	3.05	3.05	100	3.05	100	--	5H	1W	

KL-15-257

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
0.00	0.00	0.00	-QC-	0.00	0	R499763	☐	15-044		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R499771	☐	15-044		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R499782	☐	15-044			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R499794	☐	15-047		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R610502	☐	15-047			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R610504	☐	15-047		KL-STD6	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R610514	☐	15-047			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R610526	☐	15-048		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R610536	☐	15-048			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R610541	☐	15-048		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R499755	☐	15-044			☑	☐	☐
35.64	36.40	0.76	GRD	0.76	100	R499752	☐	15-044			☐	☐	☐
36.40	37.10	0.70	GRD	0.70	100	R499753	☐	15-044			☐	☐	☐
37.10	37.85	0.75	GRD	0.75	100	R499754	☐	15-044			☐	☐	☐
37.85	38.36	0.51	GRD	0.51	100	R499756	☐	15-044			☐	☐	☐
38.36	39.28	0.92	GRD	0.86	93	R499757	☐	15-044			☐	☐	☐
39.28	39.60	0.32	GRD	0.32	100	R499758	☐	15-044			☐	☐	☐
39.60	40.03	0.43	GRD	0.43	100	R499328	☐	15-056	HG 4		☐	☐	☐
40.03	40.71	0.68	GRD	0.67	99	R499759	☐	15-044			☐	☐	☐
40.03	40.71	0.68	GRD	0.67	99	R499760	☐	15-044			☐	☑	☐
40.71	41.44	0.73	GRD	0.73	100	R499761	☐	15-044			☐	☐	☐
41.44	42.26	0.82	GRD	0.82	100	R499762	☐	15-044			☐	☐	☐
42.26	42.88	0.62	GRD	0.62	100	R499764	☐	15-044			☐	☐	☐
42.88	43.54	0.66	GRD	0.66	100	R499765	☐	15-044			☐	☐	☐
43.54	44.46	0.92	GRD	0.91	99	R499766	☐	15-044			☐	☐	☐
44.46	44.78	0.32	GRD	0.32	100	R499767	☐	15-044			☐	☐	☐
44.78	45.26	0.48	GRD	0.48	100	R499768	☐	15-044			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
61.16	62.20	1.04	GRD	1.02	98	R499769	☐	15-044			☐	☐	☐
62.20	63.12	0.92	GRD	0.91	99	R499770	☐	15-044			☐	☐	☐
63.12	63.93	0.81	GRD	0.81	100	R499772	☐	15-044			☐	☐	☐
63.93	64.91	0.98	GRD	0.98	100	R499773	☐	15-044			☐	☐	☐
64.91	65.31	0.40	GRD	0.40	100	R499774	☐	15-044			☐	☐	☐
65.31	66.45	1.14	GRD	1.08	95	R499775	☐	15-044			☐	☐	☐
65.31	66.45	1.14	GRD	1.08	95	R499776	☐	15-044			☐	☐	☑
66.45	68.98	2.53	GRD	2.53	100	R499777	☐	15-044			☐	☐	☐
68.98	69.72	0.74	GRD	0.74	100	R499778	☐	15-044			☐	☐	☐
69.72	70.24	0.52	GRD	0.52	100	R499329	☐	15-056	HG 4		☐	☐	☐
70.24	70.99	0.75	GRD	0.75	100	R499330	☐	15-056	HG 4		☐	☐	☐
70.24	70.99	0.75	GRD	0.75	100	R499331	☐	15-056	HG 4		☐	☐	☑
70.99	71.90	0.91	QFP	0.91	100	R499779	☐	15-044			☐	☐	☐
89.10	89.96	0.86	GRD	0.86	100	R499780	☐	15-044			☐	☐	☐
89.96	91.14	1.18	GRD	0.88	75	R499781	☐	15-044			☐	☐	☐
91.14	92.10	0.96	GRD	0.85	89	R499783	☐	15-044			☐	☐	☐
92.10	93.15	1.05	GRD	0.92	88	R499784	☐	15-044			☐	☐	☐
93.15	94.08	0.93	GRD	0.91	98	R499785	☐	15-047			☐	☐	☐
94.08	95.01	0.93	GRD	0.93	100	R499786	☐	15-047			☐	☐	☐
95.01	95.94	0.93	GRD	0.83	89	R499787	☐	15-047			☐	☐	☐
95.94	97.74	1.80	GRD	1.79	99	R499788	☐	15-047			☐	☐	☐
95.94	97.74	1.80	GRD	1.79	99	R499789	☐	15-047			☐	☑	☐
97.74	98.51	0.77	GRD, QFP	0.77	100	R499790	☐	15-047			☐	☐	☐
98.51	99.40	0.89	QFP, GRD	0.81	91	R499791	☐	15-047			☐	☐	☐
99.40	99.97	0.57	GRD	0.56	98	R499792	☐	15-047			☐	☐	☐
99.97	101.00	1.03	GRD	0.94	91	R499793	☐	15-047			☐	☐	☐
101.00	102.07	1.07	BXA, GRD	1.07	100	R499332	☐	15-056	HG 4		☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
102.07	103.02	0.95	BXA, GRD	0.94	99	R499795	☐	15-047			☐	☐	☐
103.02	103.42	0.40	GRD	0.40	100	R499796	☐	15-047			☐	☐	☐
103.42	104.03	0.61	GRD	0.51	84	R499797	☐	15-047			☐	☐	☐
103.42	104.03	0.61	GRD	0.51	84	R499798	☐	15-047			☐	☐	☑
104.03	104.53	0.50	GRD	0.47	94	R499799	☐	15-047			☐	☐	☐
104.53	105.88	1.35	GRD	1.17	87	R499800	☐	15-047			☐	☐	☐
105.88	106.82	0.94	GRD	0.93	99	R610501	☐	15-047			☐	☐	☐
106.82	107.86	1.04	GRD	0.96	92	R499333	☐	15-056	HG 4		☐	☐	☐
107.86	110.09	2.23	QFP	2.15	96	R610503	☐	15-047			☐	☐	☐
110.09	110.47	0.38	QFP, BXA	0.38	100	R610505	☐	15-047			☐	☐	☐
110.47	111.14	0.67	GRD	0.67	100	R610506	☐	15-047			☐	☐	☐
111.14	112.17	1.03	GRD	1.01	98	R610507	☐	15-047			☐	☐	☐
112.17	113.42	1.25	GRD	1.25	100	R610508	☐	15-047			☐	☐	☐
113.42	113.82	0.40	GRD	0.36	90	R499334	☐	15-056	HG 4		☐	☐	☐
113.82	115.75	1.93	QFP, GRD	1.84	95	R610509	☐	15-047			☐	☐	☐
115.75	117.51	1.76	GRD, QFP	1.65	94	R610510	☐	15-047			☐	☐	☐
117.51	118.26	0.75	GRD	0.75	100	R610511	☐	15-047			☐	☐	☐
118.26	119.30	1.04	GRD	1.03	99	R610512	☐	15-047			☐	☐	☐
119.30	120.45	1.15	GRD	1.07	93	R610513	☐	15-047			☐	☐	☐
120.45	121.72	1.27	GRD	1.27	100	R610515	☐	15-047			☐	☐	☐
121.72	122.25	0.53	GRD	0.52	98	R610516	☐	15-047			☐	☐	☐
122.25	122.78	0.53	GRD	0.53	100	R610517	☐	15-047			☐	☐	☐
122.78	124.36	1.58	GRD, BXA	1.58	100	R610518	☐	15-047			☐	☐	☐
124.36	125.02	0.66	GRD	0.66	100	R610519	☐	15-047			☐	☐	☐
125.02	125.70	0.68	BXA	0.50	74	R610520	☐	15-047			☐	☐	☐
125.70	127.34	1.64	GRD	1.64	100	R610521	☐	15-048			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
127.34	127.64	0.30	GRD	0.30	100	R610522	☐	15-048			☐	☐	☐
127.64	129.54	1.90	GRD	1.90	100	R610523	☐	15-048			☐	☐	☐
129.54	130.65	1.11	GRD	1.04	94	R610524	☐	15-048			☐	☐	☐
130.65	131.56	0.91	GRD	0.90	99	R610525	☐	15-048			☐	☐	☐
131.56	131.96	0.40	BXA, GRD	0.40	100	R610527	☐	15-048			☐	☐	☐
131.96	133.39	1.43	BXA, GRD	1.36	95	R610528	☐	15-048			☐	☐	☐
133.39	134.93	1.54	GRD	1.53	99	R610529	☐	15-048			☐	☐	☐
134.93	135.98	1.05	GRD	0.98	93	R610530	☐	15-048			☐	☐	☐
134.93	135.98	1.05	GRD	0.98	93	R610531	☐	15-048			☐	☑	☐
135.98	136.87	0.89	GRD	0.89	100	R610532	☐	15-048			☐	☐	☐
136.87	138.86	1.99	GRD	1.99	100	R610533	☐	15-048			☐	☐	☐
138.86	140.71	1.85	GRD	1.85	100	R610534	☐	15-048			☐	☐	☐
140.71	141.31	0.60	GRD	0.60	100	R610535	☐	15-048			☐	☐	☐
141.31	142.46	1.15	GRD	1.15	100	R610537	☐	15-048			☐	☐	☐
142.46	143.67	1.21	GRD	1.21	100	R610538	☐	15-048			☐	☐	☐
143.67	145.36	1.69	GRD	1.41	83	R610539	☐	15-048			☐	☐	☐
145.36	147.67	2.31	GRD	1.70	74	R610540	☐	15-048			☐	☐	☐
147.67	148.74	1.07	GRD	1.00	93	R610542	☐	15-048			☐	☐	☐
148.74	150.77	2.03	GRD	1.71	84	R610543	☐	15-048			☐	☐	☐
150.77	152.05	1.28	GRD	1.28	100	R610544	☐	15-048			☐	☐	☐
152.05	152.62	0.57	GRD	0.57	100	R610545	☐	15-048			☐	☐	☐
152.05	152.62	0.57	GRD	0.57	100	R610546	☐	15-048			☐	☐	☑
152.62	154.48	1.86	GRD	1.86	100	R610547	☐	15-048			☐	☐	☐
154.48	154.84	0.36	GRD	0.36	100	R610548	☐	15-048			☐	☐	☐
154.84	155.84	1.00	GRD	1.00	100	R610549	☐	15-048			☐	☐	☐

Klaza - Klaza Project

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		383088	6890031	1363.83	103.02

ZONE: Central Klaza

SECTION: KL 10+450

HOLE: KL-15-258

CLAIM:

Contractor: Platinum

Drill: 2

Core Size: HQ

Casing Depth: 4.84m, Out

Drilling Dates: Jul 07 - Jul 08, 2015

Geology Logged By: D. Walsh

SURVEY			
Depth (m)	Azimuth	Dip	Method
11.58	32	-50.1	Reflex
103.02	36.8	-49.1	Reflex

TARGET:

SUMMARY			
From (m)	To (m)	Interval (m)	Rock Type
0	4.84	4.84	CAS
4.84	5.33	0.49	GRD
5.33	7.55	2.22	GRD
7.55	9.7	2.15	GRD
9.7	19.34	9.64	GRD
19.34	19.75	0.41	GRD
19.75	43.9	24.15	GRD
43.9	46.64	2.74	GRD
46.64	80.87	34.23	GRD
80.87	88.5	7.63	GRD
88.5	94.45	5.95	GRD
94.45	103.02	8.57	GRD

SAMPLES	
Numbers:	R499339 to R499344, R499348 to R499350, R610550 to R610612
Total:	72
Batch:	048, 050, 052, 056, 068
Certificates:	WH15102127, WH15102140, WH15102145, WH15102149, WH15103718, WH15106938, WH15106945

COMMENTS

Core is extremely gouge altered and rubbly between 5-17m. Recovery is poor and exact widths of veins are difficult to determine.

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
4.84	5.33	0.49	GRD	MG	Unaltered granodiorite with weak oxidation along fracture surfaces.							
						LT	GY		OXI	2I		
5.33	7.55	2.22	GRD	MG	Rubbly intensely pervasively oxidized. With possible patchy weak argillic and phyllic alteration. Oxidation obscures rock textures and is difficult to determine. Goethite staining along fracture surfaces.							
						MD	OR	RB	OXI	5I		
						MD	GY		PHC	2I		
						DK	OR		ARG	2I		
7.55	9.70	2.15	GRD	MG	Appears to be primarily rubbly moderately phyllic altered granodiorite with patchy weak argillic alteration. Intense pervasive oxidation obscures rock textures. Strong goethite staining along fracture surfaces.							
						MD	OR	RB	OXI	5I		
						MD	GN		ARG	2I		
						DK	OR	FR	PHC	3I		
9.70	14.18	4.48	GRD	MG	Central klaza vein zone at surface. Strong to intensely pervasively oxidized rubbly moderate to strongly phyllic altered granodiorite. Zone host what appears to be 4 distinct polymetallic veins. Obscuring oxidation and very rubbly core make alteration and structures difficult to determine and measure. Patches of strong phyllic alteration hosts disseminated pyrite.							
						MD	OR	RB	PHC	3I	Py	1
						MD	GN		OXI	4I		
						MD	GY		OXI	5I		
						DK	GY					
						DK	OR		PHC	4I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
14.18	17.06	2.88	GRD	MG	Moderate to strongly phyllic altered granodiorite is strongly to entirely gouge altered and rubbly. Appears to host one completely gouge altered quartz pyrite vein. Gouge is moderate to strongly pervasively oxidized. Disseminated pyrite found proximal to veining.							
						MD	GY	RB	OXI	3I	Py	1
						MD	OR		PHC	3I		
						LT	GY		OXI	4I		
									PHC	4I		
17.06	19.34	2.28	GRD	MG	Pervaively oxidized moderate to strongly phyllic altered granodiorite hosting a central klaza vein.							
						MD	OR		PHC	3I		
						MD	GN		OXI	3I		
						DK	OR		PHC	4I		
									OXI	4I		
19.34	19.75	0.41	GRD	MG	Pervasively oxidized moderate argillic halo. Formed distally from vein.							
						MD	OR		ARG	3I		
						LT	WH		OXI	3I		
19.75	26.50	6.75	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite. Moderate to strong oxidation along fracture surfaces.							
						MD	OR		PRO	2I		
						MD	PK		PRO	1I		
						MD	GY		OXI	3I		
						DK	GN		OXI	4I		
									POT	2I		
									POT	1I		
26.50	29.97	3.47	GRD	MG	Strong potassic overprint of moderate argillic alteration with medium sized moderate phyllic envelopes surrounding quartz/carbonate veining. Strong oxidation along fracture surfaces.							
						MD	PK		ARG	3I		
						MD	GN		OXI	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	OR					
						LT	WH	EN	POT	4I		
						DK	PK		PHC	3I		
29.97	40.70	10.73	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite. Moderate to strong oxidation along fracture surfaces.							
						MD	OR		PRO	2I		
						MD	GY		OXI	3I		
						MD	PK		PRO	1I		
						DK	GN		OXI	4I		
									POT	1I		
									POT	2I		
40.70	41.59	0.89	GRD	MG	Moderate phyllic envelope around a oxidized quartz/carbonate/sulphide vein. Strong oxidation along fracture surfaces.							
						MD	GN	EN	PHC	3I		
						MD	OR		OXI	3I		
41.59	43.90	2.31	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite. Moderate to strong oxidation along fracture surfaces.							
						MD	GY		OXI	3I		
						MD	PK		PRO	1I		
						MD	OR		PRO	2I		
						DK	GN		OXI	4I		
									POT	1I		
									POT	2I		
43.90	46.64	2.74	GRD	MG	The Splay vein zone. Moderate to strongly phyllic altered granodiorite hosting disseminated pyrite. Moderate oxidation along fracture surfaces. Contains multiple quartz/carbonate/sulphide veins and one large polymetallic Splay vein.							
						MD	OR		OXI	3I		
						MD	GN		PHC	3I	Py	1
						LT	GN		PHC	4I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
46.64	53.13	6.49	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite. Weak oxidation along fracture surfaces. Occasional rubbly patches.							
						MD	GY	RB	PRO	1I		
						MD	PK		PRO	2I		
						DK	GN		POT	1I		
									POT	2I		
53.13	54.20	1.07	GRD	MG	Moderate phyllic envelope surrounding two veins. One rhodochrosite/ankerite and one quartz/ankerite sulphide vein.							
						MD	GN	EN	PHC	3I		
						LT	GN					
54.20	54.75	0.55	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite.							
						MD	GY		PRO	1I		
						MD	PK		PRO	2I		
						DK	GN		POT	1I		
									POT	2I		
54.75	57.73	2.98	GRD	MG	Weak to moderately argillic altered granodiorite with patchy phyllic and potassic alteration. Portions of interval are rubble and gouge altered. Patchy oxidation along fracture surfaces.							
						MD	GY		PHC	2I		
						MD	OR					
						MD	PK					
						MD	GN		OXI	3I		
						LT	GY	RB	ARG	3I		
						LT	WH		POT	2I		
57.73	61.96	4.23	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite.							
						MD	GY		PRO	1I		
						MD	PK		PRO	2I		
						DK	GN		POT	1I		
									POT	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
61.96	67.81	5.85	GRD	MG	Moderate phyllic altered granodiorite with large patches of moderate to strong potassic overprinted moderate argillic alteration. Patches of phyllic alteration have been gouge altered.							
						MD	GN		PHC	3I		
						MD	PK		POT	3I		
						LT	WH		ARG	3I		
						DK	PK		POT	4I		
67.81	72.55	4.74	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite.							
						MD	GY		PRO	1I		
						MD	PK		PRO	2I		
						DK	GN		POT	1I		
									POT	2I		
72.55	76.58	4.03	GRD	MG	Silicified moderate phyllic altered granodiorite with patches of strongly potassic overprinted moderate argillic alteration.							
						MD	GN		PHC	3I		
						MD	PK		SIL	3I		
						DK	PK		POT	4I		
									ARG	3I		
76.58	78.08	1.50	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite.							
						MD	GY		PRO	1I		
						MD	PK		PRO	2I		
						DK	GN		POT	1I		
									POT	2I		
78.08	80.87	2.79	GRD	MG	Strongly potassic overprinted moderate argillic alteration with patchy weak phyllic alteration.							
						MD	PK		POT	4I		
						LT	WH		ARG	3I		
						LT	GN		PHC	2I		
						DK	PK	PA	POT	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
80.87	88.50	7.63	GRD	MG	Weak propyllitic/potassic altered granodiorite.							
						MD	GY		PRO	2I		
						MD	PK		POT	2I		
						DK	GN					
88.50	94.45	5.95	GRD	MG	Splay Zone #2? Silicified moderate phyllic altered granodiorite hosting multiple quartz/carbonate/sulphide veins and one large polymetallic Splay #2? vein. Phyllic alteration hosts disseminated pyrite. Phyllic alteration transitions to ~1m of strong potassic overprinted moderate argillic alteration on either end of interval.							
						MD	GN		PHC	3I		
						MD	PK		ARG	3I		
						LT	GN		SIL	3I		
						LT	WH		POT	4I		
94.45	103.02	8.57	GRD	MG	Weak propyllitic/potassic altered granodiorite with patches of weak potassic/propyllitic overprinted argillic alteration and small phyllic envelopes around quartz/carbonate veining.							
						MD	GY	PA	PRO	2I		
						MD	PK		ARG	3I		
						DK	GN		POT	2I		
									PHC	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
4.84	5.33	0.49	GRD	MG	Unaltered granodiorite with weak oxidation along fracture surfaces.							
						LT	GY	RB	OXI	2I		
								FR				
5.33	7.55	2.22	GRD	MG	Rubbly intensely pervasively oxidized. With possible patchy weak argillic and phyllic alteration. Oxidation obscures rock textures and is difficult to determine. Goethite staining along fracture surfaces.							
						MD	GY		PHC	2I		
						DK	OR	RB	ARG	2I		
						MD	OR	FR	OXI	5I		
7.55	9.70	2.15	GRD	MG	Appears to be primarily rubbly moderately phyllic altered granodiorite with patchy weak argillic alteration. Intense pervasive oxidation obscures rock textures. Strong goethite staining along fracture surfaces.							
						MD	OR	RB	OXI	5I		
						DK	OR	FR	PHC	3I		
						MD	GN		ARG	2I		
9.70	19.34	9.64	GRD	MG	Central klaza vein zone at surface. Strong to intensely pervasively oxidized rubbly moderate to strongly phyllic altered granodiorite. Zone host what appears to be 5 distinct polymetallic veins and multiple gouge zones. Obscuring oxidation and very rubbly core make alteration and structures difficult to determine and measure. Patches of strong phyllic alteration hosts disseminated pyrite.							
						MD	GN		OXI	4I		
						DK	OR	FR	PHC	4I		
						MD	GY		OXI	5I		
						DK	GY					
						MD	OR	RB	PHC	3I	Py	1
19.34	19.75	0.41	GRD	MG	Pervasively oxidized moderate argillic halo. Formed distally from vein.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	OR		ARG	3I		
						LT	WH		OXI	3I		
19.75	43.90	24.15	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite. Moderate to strong oxidation along fracture surfaces.							
						MD	GY		OXI	3I		
									POT	2I		
						DK	GN		OXI	4I		
						MD	PK		PRO	1I		
						MD	OR		PRO	2I		
									POT	1I		
43.90	46.64	2.74	GRD	MG	The Splay vein zone. Moderate to strongly phyllic altered granodiorite hosting disseminated pyrite. Moderate oxidation along fracture surfaces. Contains multiple quartz/carbonate/sulphide veins and one large polymetallic Splay vein.							
						MD	OR		OXI	3I		
						LT	GN		PHC	4I		
						MD	GN		PHC	3I	Py	1
46.64	80.87	34.23	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite. Weak oxidation along fracture surfaces. Occasional rubbly patches.							
									POT	2I		
						MD	GY		PRO	1I		
						DK	GN		POT	1I		
						MD	PK		PRO	2I		
80.87	88.50	7.63	GRD	MG	Weak propyllitic/potassic altered granodiorite.							
						DK	GN					
						MD	PK		POT	2I		
						MD	GY		PRO	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
88.50	94.45	5.95	GRD	MG	Splay Zone #2? Silicified moderate phyllic altered granodiorite hosting multiple quartz/carbonate/sulphide veins and one large polymetallic Splay #2? vein. Phyllic alteration hosts disseminated pyrite. Phyllic alteration transitions to ~1m of strong potassic overprinted moderate argillic alteration on either end of interval.							
						MD	GN		PHC	3I		
						MD	PK		ARG	3I		
						LT	WH		POT	4I		
						LT	GN		SIL	3I		
94.45	103.02	8.57	GRD	MG	Weak propyllitic/potassic altered granodiorite with patches of weak potassic/propyllitic overprinted argillic alteration and small phyllic envelopes around quartz/carbonate veining.							
									PHC	3I		
						DK	GN		POT	2I		
						MD	PK		ARG	3I		
						MD	GY	PA	PRO	2I		

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
0.00	4.84	4.84	0	0	0.00	0	--	--	--	Casing
4.84	5.49	0.65	0.58	89	0.17	26	--	4H	3W	
5.49	8.53	3.04	2.86	94	0.26	9	--	3H	3W	
8.53	11.58	3.05	2.31	76	0.00	0	--	3H	3W	
11.58	14.63	3.05	1.5	49	0.00	0	--	3H	3W	
14.63	17.68	3.05	2.1	69	0.30	10	--	3H	3W	
17.68	20.73	3.05	2.99	98	1.14	37	--	3H	2W	
20.73	23.77	3.04	3.04	100	0.61	20	--	4H	2W	
23.77	26.82	3.05	3.05	100	2.15	70	--	5H	1W	
26.82	29.87	3.05	3.05	100	2.40	79	--	4H	2W	
29.87	32.92	3.05	3.03	99	1.46	48	--	4H	1W	
32.92	35.97	3.05	2.98	98	1.79	59	--	5H	1W	
35.97	39.01	3.04	2.97	98	1.23	40	--	5H	1W	
39.01	42.06	3.05	3.05	100	1.82	60	--	5H	1W	
42.06	45.11	3.05	2.97	97	2.06	68	--	4H	1W	
45.11	48.16	3.05	3.05	100	1.55	51	--	4H	1W	
48.16	51.21	3.05	3.05	100	1.78	58	--	3H	1W	
51.21	54.25	3.04	3.04	100	2.16	71	--	4H	1W	
54.25	57.30	3.05	2.57	84	1.26	41	--	3H	1W	
57.30	60.35	3.05	3.05	100	1.92	63	--	4H	1W	
60.35	63.40	3.05	2.71	89	2.40	79	--	4H	1W	
63.40	66.45	3.05	2.89	95	1.08	35	--	3H	1W	
66.45	69.49	3.04	3.04	100	1.72	57	--	3H	1W	
69.49	72.54	3.05	2.94	96	1.22	40	--	4H	1W	
72.54	75.59	3.05	3.05	100	2.79	91	--	4H	1W	
75.59	78.64	3.05	3.05	100	2.66	87	--	3H	1W	
78.64	81.68	3.04	3.04	100	2.86	94	--	4H	1W	
81.68	84.73	3.05	2.98	98	2.15	70	--	4H	1W	
84.73	87.78	3.05	3.05	100	2.49	82	--	4H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
87.78	90.83	3.05	3.05	100	3.05	100	--	3H	1W	
90.83	93.88	3.05	3.02	99	2.37	78	--	3H	1W	
93.88	96.93	3.05	3.05	100	2.70	89	--	3H	1W	
96.93	99.97	3.04	3.04	100	2.00	66	--	4H	1W	
99.97	103.02	3.05	3.05	100	2.69	88	--	3H	1W	

KL-15-258

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
0.00	0.00	0.00	-QC-	0.00	0	R610552	☐	15-048			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R610561	☐	15-050		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R610575	☐	15-050		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R610579	☐	15-050			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R610588	☐	15-050			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R610603	☐	15-052			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R610607	☐	15-052		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R499350	☐	15-068	High grade		☑	☐	☐
5.49	7.68	2.19	GRD	1.52	69	R610550	☐	15-048			☐	☐	☐
7.68	8.22	0.54	GRD	0.51	94	R610551	☐	15-048			☐	☐	☐
8.22	9.71	1.49	GRD	1.12	75	R610553	☐	15-048			☐	☐	☐
9.71	10.34	0.63	GRD	0.52	83	R610554	☐	15-048			☐	☐	☐
10.34	10.93	0.59	GRD	0.45	76	R499339	☐	15-056	HG 4		☐	☐	☐
10.93	11.58	0.65	GRD	0.57	88	R610555	☐	15-048			☐	☐	☐
11.58	11.95	0.37	GRD	0.30	81	R499340	☐	15-056	HG 4		☐	☐	☐
11.95	12.75	0.80	GRD	0.32	40	R610556	☐	15-048			☐	☐	☐
12.75	14.02	1.27	GRD	0.40	31	R499341	☐	15-056	HG 4		☐	☐	☐
14.02	14.63	0.61	GRD	0.36	59	R610557	☐	15-050			☐	☐	☐
14.63	15.09	0.46	GRD	0.42	91	R499342	☐	15-056	HG 4		☐	☐	☐
15.09	15.56	0.47	GRD	0.42	89	R610558	☐	15-050			☐	☐	☐
15.56	17.05	1.49	GRD	0.52	35	R610559	☐	15-050			☐	☐	☐
17.05	18.36	1.31	GRD	1.30	99	R610560	☐	15-050			☐	☐	☐
18.36	18.77	0.41	GRD	0.41	100	R610562	☐	15-050			☐	☐	☐
18.77	19.42	0.65	GRD	0.61	94	R610563	☐	15-050			☐	☐	☐
19.42	20.73	1.31	GRD	1.31	100	R610564	☐	15-050			☐	☐	☐
20.73	23.77	3.04	GRD	2.95	97	R610565	☐	15-050			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
23.77	26.55	2.78	GRD	2.77	100	R610566	☐	15-050			☐	☐	☐
23.77	26.55	2.78	GRD	2.77	100	R610567	☐	15-050			☐	☑	☐
26.55	27.37	0.82	GRD	0.82	100	R610568	☐	15-050			☐	☐	☐
27.37	27.70	0.33	GRD	0.33	100	R610569	☐	15-050			☐	☐	☐
27.70	28.61	0.91	GRD	0.91	100	R610570	☐	15-050			☐	☐	☐
28.61	28.91	0.30	GRD	0.30	100	R610571	☐	15-050			☐	☐	☐
28.91	29.97	1.06	GRD	1.05	99	R610572	☐	15-050			☐	☐	☐
39.65	40.74	1.09	GRD	1.07	98	R610573	☐	15-050			☐	☐	☐
40.74	41.10	0.36	GRD	0.36	100	R610574	☐	15-050			☐	☐	☐
41.10	42.87	1.77	GRD	1.74	98	R610576	☐	15-050			☐	☐	☐
42.87	43.93	1.06	GRD	1.06	100	R610577	☐	15-050			☐	☐	☐
43.93	44.44	0.51	GRD	0.51	100	R610578	☐	15-050			☐	☐	☐
44.44	45.02	0.58	GRD	0.49	84	R610580	☐	15-050			☐	☐	☐
45.02	45.34	0.32	GRD	0.32	100	R499343	☐	15-056	HG 4		☐	☐	☐
45.34	45.91	0.57	GRD	0.57	100	R499344	☐	15-056	HG 4		☐	☐	☐
45.91	46.62	0.71	GRD	0.71	100	R610581	☐	15-050			☐	☐	☐
45.91	46.62	0.71	GRD	0.71	100	R610582	☐	15-050			☐	☐	☑
46.62	48.09	1.47	GRD	1.44	98	R610583	☐	15-050			☐	☐	☐
50.90	53.19	2.29	GRD	2.25	98	R610584	☐	15-050			☐	☐	☐
53.19	53.78	0.59	GRD	0.58	98	R610585	☐	15-050			☐	☐	☐
53.78	54.85	1.07	GRD	1.03	96	R610586	☐	15-050			☐	☐	☐
54.85	55.52	0.67	GRD	0.56	84	R610587	☐	15-050			☐	☐	☐
55.52	56.25	0.73	GRD	0.62	85	R610589	☐	15-050			☐	☐	☐
56.25	57.57	1.32	GRD	1.30	98	R610590	☐	15-050			☐	☐	☐
57.57	60.35	2.78	GRD	2.72	98	R610591	☐	15-050			☐	☐	☐
60.35	63.40	3.05	GRD	2.93	96	R610592	☐	15-050			☐	☐	☐
63.40	64.09	0.69	GRD	0.69	100	R610593	☐	15-052			☐	☐	☐
64.09	65.04	0.95	GRD	0.77	81	R610594	☐	15-052			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
65.04	65.57	0.53	GRD	0.46	87	R610595	☐	15-052			☐	☐	☐
65.57	65.92	0.35	GRD	0.35	100	R610596	☐	15-052			☐	☐	☐
65.92	66.60	0.68	GRD	0.68	100	R610597	☐	15-052			☐	☐	☐
65.92	66.60	0.68	GRD	0.68	100	R610598	☐	15-052			☐	☑	☐
66.60	67.81	1.21	GRD	1.21	100	R610599	☐	15-052			☐	☐	☐
86.27	86.98	0.71	GRD	0.71	100	R610600	☐	15-052			☐	☐	☐
86.98	87.43	0.45	GRD	0.45	100	R610601	☐	15-052			☐	☐	☐
87.43	87.75	0.32	GRD	0.32	100	R610602	☐	15-052			☐	☐	☐
87.75	89.34	1.59	GRD	1.59	100	R610604	☐	15-052			☐	☐	☐
89.34	89.84	0.50	GRD	0.50	100	R610605	☐	15-052			☐	☐	☐
89.84	90.59	0.75	GRD	0.72	96	R610606	☐	15-052			☐	☐	☐
90.59	91.26	0.67	GRD	0.67	100	R499348	☐	15-068	High grade		☐	☐	☐
91.26	92.48	1.22	GRD	1.22	100	R610608	☐	15-052			☐	☐	☐
92.48	92.80	0.32	GRD	0.32	100	R499349	☐	15-068	High grade		☐	☐	☐
92.80	93.22	0.42	GRD	0.42	100	R610609	☐	15-052			☐	☐	☐
93.22	94.64	1.42	GRD	1.42	100	R610610	☐	15-052			☐	☐	☐
94.64	95.04	0.40	GRD	0.40	100	R610611	☐	15-052			☐	☐	☐
95.04	95.87	0.83	GRD	0.83	100	R610612	☐	15-052			☐	☐	☐

Klaza - Klaza Project

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		383146	6889994	1362.38	154.53

ZONE: Eastern Klaza

SECTION: KL 10+550

HOLE: KL-15-259

CLAIM:

Contractor: Platinum

Drill: 2

Core Size: HQ

Casing Depth: 12.19m, Out

Drilling Dates: Jul 08 - Jul 09, 2015

Geology Logged By: L. Flavelle

SURVEY			
Depth (m)	Azimuth	Dip	Method
14.32	34.2	-49.9	Reflex
151.48	41.9	-49.1	Reflex

TARGET:

SUMMARY			
From (m)	To (m)	Interval (m)	Rock Type
0	2.79	2.79	-?-
2.79	3.3	0.51	GRD
3.3	10.82	7.52	GRD
10.82	25.48	14.66	GRD
25.48	26.64	1.16	GRD
26.64	31.47	4.83	GRD
31.47	49.96	18.49	GRD
49.96	53.52	3.56	GRD
53.52	57.85	4.33	GRD
57.85	59.6	1.75	GRD
59.6	73.64	14.04	GRD
73.64	87.09	13.45	GRD
87.09	109.31	22.22	GRD
109.31	114.66	5.35	GRD
114.66	130.79	16.13	GRD
130.79	132.55	1.76	QFP

SAMPLES	
Numbers:	R499345 to R499347, R610182 to R610203, R610207 to R610218, R610222 to R610231, R610249 to R610269
Total:	68
Batch:	049, 051, 053, 055, 056, 068
Certificates:	WH15102133, WH15102145, WH15102149, WH15103716, WH15103719, WH15105473, WH15106938, WH15106945

COMMENTS

Rubbly and oxidized with variable alteration from 3.30-25.48m. Intensily sericitized with blebby to pervasive pyrite from 25.48-26.64m. Patchy alteration from 26.64-49.96m. Three quartz veins up to 15 cm wide hosting py, as, cp, gn and sp occur between 49.96-53.52m. Patchy alteration from 53.52-130.79m. Stacked tan quartz-feldspar porphyry dykes occur

132.55	133.12	0.57	GRD
133.12	133.35	0.23	QFP
133.35	134.58	1.23	GRD
134.58	144	9.42	QFP
144	144.99	0.99	GRD
144.99	146.38	1.39	QFP
146.38	146.81	0.43	GRD
146.81	146.98	0.17	QFP
146.98	147.46	0.48	GRD
147.46	154.53	7.07	GRD

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
2.79	3.30	0.51	GRD	--	Unaltered granodiorite block.							
						MD	GY	MA				
3.30	10.82	7.52	GRD	--	Strongly altered and oxidized granodiorite. Clay-rich with "sugary" texture in some areas; hematite and geothite on most fracture surfaces.							
						MD	OR	RB	ARG	3I		
									OXI	4I		
10.82	17.02	6.20	GRD	--	Moderately to strongly oxidized, argillic and weakly phyllic altered granodiorite. Often rubbly with "sugary" fragments present.							
						MD	OR	RB	ARG	3I		
								PA	PHC	1I		
17.02	19.34	2.32	GRD	--	Phyllic altered granodiorite with patchy, pervasive oxidation. Hematite and some goethite on many fracture surfaces. Infrequent quartz-ankerite stringers and veinlets appear barren.							
						MD	GN	PA	PHC	3I		
						MD	OR		OXI	2I		
19.34	21.40	2.06	GRD	--	Strongly phyllic altered granodiorite with strong oxidation on fractures and often pervasive through rock. Disseminated pyrite occurs throughout the phyllic alteration with disseminated-blebby pyrite within quartz-ankerite stringers and veinlets. One, 2 cm wide anglesite vein occurs with blebby pyrite in the middle of the interval. Clay gouge brecciating strongly phyllic altered material occurs frequently, especially near the anglesite vein.							
						MD	OR	PA	PHC	4I	Py	1
						MD	GN		ARG	2I		
									OXI	3I		
21.40	23.08	1.68	GRD	--	Patchy, phyllic and argillic altered granodiorite with minor oxidation along fractures.							
						LT	GN	PA	ARG	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	WH		PHC	2I		
23.08	24.75	1.67	GRD	--	Moderately oxidized, phyllic altered granodiorite.							
						MD	GN	PA	PHC	3I		
						MD	OR		ARG	1I		
24.75	25.48	0.73	GRD	--	Strongly phyllic altered granodiorite with disseminated to blebby pyrite throughout. Infrequent, vuggy and oxidized quartz-ankerite stringers.							
						MD	GN		PHC	4I	Py	1
25.48	26.64	1.16	GRD	--	Intensely sericitized interval with disseminated to pervasive pyrite. One, 15cm wide section has been turned into dark grey, sericite-rich gouge.							
						MD	GY		PHC	5I	Py	10
									SER	5I	Se	30
26.64	27.21	0.57	GRD	--	Strongly phyllic altered, moderately oxidized granodiorite with frequent quartz-ankerite stringers hosting disseminated to blebby pyrite. Minor clay gouge with brecciated granodiorite present.							
						MD	OR		PHC	4I	Py	1
									OXI	3I		
27.21	29.42	2.21	GRD	--	Strongly phyllic altered granodiorite hosting disseminated to blebby pyrite and frequent quartz-ankerite stringers.							
						MD	GN		PHC	4I	Py	0.1
29.42	31.47	2.05	GRD	--	Moderately phyllic altered granodiorite with infrequent, barren and sometimes vuggy quartz-ankerite stringers. Some patches of weakly argillic altered granodiorite.							
						MD	GN	PA	PHC	3I		
						LT	WH		ARG	1I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
31.47	49.96	18.49	GRD	--	Largely unaltered granodiorite with some patches of argillic and potassic alteration. Oxidation occurs along fractures only. Gougy material is present infrequently over intervals of less than a few centimetres, with the exception of one, 20 cm wide gougy section. Rare quartz stringers.							
						MD	GY	PA	ARG	2I		
									POT	1I		
49.96	51.50	1.54	GRD	--	Phyllic altered envelope hosting trace disseminated pyrite and minor quartz-ankerite stringers.							
						MD	GN	EN	PHC	3I	Py	0.01
51.50	52.16	0.66	GRD	--	Splay vein zone containing three quartz veins hosting disseminated to blebby pyrite, arsenopyrite, chalcopyrite, galena and sphalerite. Minor gougy material present over a few centimetres. Mineralized ankerite stringers present throughout.							
						DK	GN		PHC	4I	Py	10
											As	0.1
											Sp	1
											Gn	1
											Cp	0.1
52.16	52.34	0.18	GRD	--	Phyllic alered envelope hosting minor disseminated pyrite.							
						MD	GN	EN	PHC	3I	Py	0.1
52.34	53.52	1.18	GRD	--	Patchy, moderately phyllic and argillic altered granodiorite with trace potassic alteration; hosting trace disseminated pyrite.							
						MD	GN	PA	PHC	3I	Py	0.01
						LT	WH		ARG	3I		
						LT	PK		POT	1I		
53.52	57.85	4.33	GRD	--	Unaltered granodiorite.							
						MD	GY					
57.85	59.60	1.75	GRD	--	Competent, patchy phyllic and propylitic altered granodiorite with minor quartz-ankerite stringers hosting disseminated to blebby pyrite.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GN	PA	PHC	2I	Py	0.01
									PRO	1I		
59.60	62.04	2.44	GRD	--	Rubbly and clay-rich, patchy propylitic, phyllic and argillic altered granodiorite; pyrite disseminated in phyllic altered material.							
						MD	GN	PA	PHC	3I	Py	0.1
								RB	PRO	1I		
									ARG	2I		
62.04	64.59	2.55	GRD	--	Very clay-rich phyllic and argillic altered material with brecciation often present. Two small (less than 1 cm) wide black sulphide veinlets present near the top of the interval. Disseminated pyrite throughout.							
						LT	WH	RB	ARG	3I		
						LT	GN	BX	PHC	3I	Py	0.1
64.59	66.15	1.56	GRD	--	Phyllic altered interval containing (sometimes vuggy) quartz-ankerite stringers and veinlets with disseminated pyrite throughout.							
						MD	GN	RB	PHC	3I	Py	0.1
								VU	ARG	1I		
66.15	73.64	7.49	GRD	--	Patchy, dominantly argillic altered granodiorite with trace phyllic and propylitic alteration. Pyrite present in rare quartz-carbonate veinlets and where phyllic alteration occurs.							
						MD	WH	PA	ARG	3I	Py	0.1
								RB	PHC	1I		
									PRO	1I		
73.64	87.09	13.45	GRD	--	Mostly competent and patchy, weakly altered granodiorite (trace phyllic and argillic alteration) containing few, barren quartz stringers.							
						MD	GY	PA	PHC	1I	Py	0.01
									ARG	1I		
87.09	87.87	0.78	GRD	--	Phyllic altered granodiorite with disseminated pyrite and pyrite blebs throughout. One gougy breccia occurs over 5cm in the middle of the interval.							
						MD	GN	BX	PHC	3I	Py	1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
87.87	90.61	2.74	GRD	--	Weakly phyllic and argillic altered granodiorite with minor quartz-carbonate stringers.							
						MD	GN		PHC	2I		
						LT	WH		ARG	2I		
90.61	91.35	0.74	GRD	--	Moderately phyllic altered interval with one, 1 cm wide quartz veinlet hosting blebby pyrite.							
						MD	GN	EN	PHC	3I	Py	0.1
91.35	93.65	2.30	GRD	--	Patchy phyllic, argillic and potassic altered granodiorite with one, 2 cm wide quartz veinlet hosting blebby pyrite and sphalerite.							
						MD	GN	PA	PHC	2I	Py	0.1
						LT	PK		ARG	1I	Sp	0.01
						LT	WH		POT	1I		
93.65	94.34	0.69	GRD	--	Phyllic altered envelope containing one, 2 cm wide clay-altered vein hosting blebby pyrite and honey brown sphalerite (+/- arsenopyrite), and disseminated to blebby pyrite throughout the interval.							
						MD	GN	EN	PHC	3I	Py	1
											Sp	0.1
94.34	100.87	6.53	GRD	--	Predominantly unaltered to weakly phyllic and argillic altered granodiorite with few barren quartz-carbonate stringers.							
						MD	GY	PA	PHC	2I		
						MD	GN		ARG	2I		
						LT	WH					
100.87	104.14	3.27	GRD	--	Patchy argillic, propylitic, phyllic and potassic altered granodiorite with trace disseminated pyrite and one, 1 cm wide quartz veinlet hosting blebby to massive pyrite.							
						MD	GN	PA	PRO	1I	Py	0.1
						MD	PK		PHC	2I		
						MD	WH		POT	2I		
									ARG	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
104.14	104.91	0.77	GRD	--	Dominantly strong potassic altered granodiorite with minor argillic alteration.							
						MD	PK		POT	4I		
									ARG	2I		
104.91	109.31	4.40	GRD	--	Phyllic and argillic altered granodiorite with phyllic envelopes hosting disseminated pyrite.							
						MD	GY	PA	ARG	3I	Py	0.01
						MD	GN		PHC	2I		
						LT	WH					
109.31	114.66	5.35	GRD	--	Largely unaltered granodiorite with small phyllic envelopes up to 5 cm wide with quartz-carbonate stringers/veinlets hosting blebby pyrite.							
						MD	GY	EN	PHC	1I	Py	0.01
114.66	115.05	0.39	GRD	--	Phyllic envelope containing two, 2 cm wide quartz-ankerite veins hosting blebby pyrite.							
						MD	GN	EN	PHC	3I	Py	0.1
115.05	116.17	1.12	GRD	--	Unaltered to weakly phyllic altered granodiorite with few barren quartz-ankerite stringers.							
						MD	GY	EN	PHC	1I		
116.17	116.46	0.29	GRD	--	Phyllic altered envelope containing two, 0.5-1cm wide quartz veinlets hosting blebby pyrite.							
						MD	GN	EN	PHC	3I	Py	0.1
116.46	122.68	6.22	GRD	--	Unaltered to weakly phyllic and argillic altered granodiorite with few quartz-ankerite stringers.							
						MD	GY	PA	PHC	1I		
						MD	GN		ARG	1I		
122.68	123.11	0.43	GRD	--	Phyllic envelope containing one, 1 cm wide quartz vein hosting blebby pyrite.							
						MD	GN	EN	PHC	3I	Py	0.1
123.11	123.79	0.68	GRD	--	Unaltered to weakly argillic altered granodiorite.							
						MD	GY		ARG	1I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
123.79	125.17	1.38	GRD	--	Phyllic altered envelope with three, 2-3cm wide quartz-carbonate veinlets hosting disseminated to blebby pyrite, arsenopyrite and rare chalopyrite. Possible blebby honey brown sphalerite present. One, 2 cm wide dark grey gouge rich section adjacent to the veinlets.							
						MD	GN	EN	PHC	3I	Py	0.1
											Cp	0.01
									ARG	1I	As	0.01
125.17	125.93	0.76	GRD	--	Unaltered to trace phyllic altered granodiorite.							
						MD	GY		PHC	1I		
125.93	126.50	0.57	GRD	--	Phyllic altered envelope containing one, 6 cm wide quartz vein hosting blebby pyrite and minor disseminated arsenopyrite.							
						MD	GN	EN	PHC	3I	Py	5
											As	0.1
126.50	128.60	2.10	GRD	--	Phyllic and argillic altered granodiorite.							
						MD	GY		PHC	1I		
									ARG	1I		
128.60	129.22	0.62	GRD	--	Phyllic altered envelope containing one, 5 cm wide white quartz vein hosting blebby pyrite.							
						MD	GN	EN	PHC	3I	Py	5
129.22	130.79	1.57	GRD	--	Phyllic, argillic and potassic altered granodiorite.							
						MD	GN	PA	PHC	1I		
						MD	PK		ARG	2I		
									POT	2I		
130.79	132.55	1.76	QFP	--	Tan to green quartz-feldspar dyke with quartz stringers and veinlets.							
						MD	TN	PO				
						LT	GN					
132.55	133.12	0.57	GRD	--	Phyllic and argillic altered granodiorite.							
						MD	GN	PA	PHC	2I		
						LT	WH		ARG	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
133.12	133.35	0.23	QFP	--	Tan to green quartz-feldspar dyke with quartz stringers and veinlets.							
						MD	TN	PO				
						LT	GN					
133.35	134.58	1.23	GRD	--	Phyllic and argillic altered granodiorite.							
						MD	GN	PA	PHC	3I		
						LT	WH		ARG	2I		
134.58	135.10	0.52	QFP	--	Brecciated upper contact between phyllic altered granodiorite and quartz-feldspar porphyry dyke. Clasts a mixture of both granodiorite and dyke within a clay matrix.							
						LT	GN	PO				
						LT	TN	BX				
135.10	144.00	8.90	QFP	--	Tan to green quartz-feldspar dyke with quartz stringers and veinlets.							
						MD	TN	PO				
						LT	GN					
144.00	144.99	0.99	GRD	--	Phyllic altered granodiorite.							
						MD	GN		PHC	3I		
144.99	146.38	1.39	QFP	--	Tan to green quartz-feldspar dyke with quartz stringers and veinlets.							
						MD	TN	PO				
146.38	146.81	0.43	GRD	--	Phyllic envelope containing one, 5 cm wide, sulphide and clay-rich section as the hangingwall to the next dyke interval.							
						MD	GN	EN	PHC	3I	Py	1
								BX				
146.81	146.98	0.17	QFP	--	Tan quartz-feldspar dyke.							
						MD	TN	PO				
146.98	147.46	0.48	GRD	--	Phyllic altered envelope containing few quartz stringers and veinlets hosting blebby pyrite.							
						MD	GN	EN	PHC	3I	Py	0.1
147.46	154.53	7.07	GRD	--	Unaltered granodiorite to EOH.							
						MD	GY					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
2.79	3.30	0.51	GRD	--	Unaltered granodiorite block.							
						MD	GY	MA				
3.30	10.82	7.52	GRD	--	Strongly altered and oxidized granodiorite. Clay-rich with "sugary" texture in some areas; hematite and geothite on most fracture surfaces.							
									OXI	4I		
						MD	OR	RB	ARG	3I		
10.82	25.48	14.66	GRD	--	Patchy argillic and phyllic altererd granodiorite with moderate oxidation, also in patches. Infrequent quartz-ankerite stringers and veinlets hosting trace disseminated pyrite. One 2cm wide anglesite vein present in the middle of the interval within an area of prominent clay gouge material and breccias.							
						LT	GN	PA	PHC	2I		
						MD	OR	RB	ARG	2I	Py	0.01
									OXI	3I		
25.48	26.64	1.16	GRD	--	Intensely sericitized interval with disseminated to pervasive pyrite and blebby tourmaline. One, 15cm wide section has been turned into dark grey, sericite-rich gouge.							
									SER	5I	Se	30
						MD	GY		PHC	5I	Py	10
26.64	31.47	4.83	GRD	--	Dominantly phyllic altered, moderately oxidized granodiorite with quartz-ankerite stringers sometimes hosting disseminated to blebby pyrite. Minor clay gouge with brecciated and argillic altered granodiorite present.							
						LT	WH		ARG	2I		
						MD	GN	PA	PHC	3I		
31.47	49.96	18.49	GRD	--	Largely unaltered granodiorite with some patches of argillic and potassic alteration. Oxidation occurs along fractures only. Gougy material is present infrequently over intervals of less than a few centimetres, with the exception of one, 20 cm wide gougy section. Rare quartz stringers.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GY	PA	ARG	2I		
									POT	1I		
49.96	53.52	3.56	GRD	--	Phyllic and argillic altered envelope with three quartz veins up to 15 cm wide hosting disseminated to blebby pyrite, arsenopyrite, chalcopyrite, galena and sphalerite.							
											Cp	0.01
								PA	ARG	2I	As	0.1
						MD	GN	EN	PHC	3I	Py	5
											Sp	0.1
											Gn	0.1
53.52	57.85	4.33	GRD	--	Unaltered granodiorite.							
						MD	GY					
57.85	59.60	1.75	GRD	--	Competent, patchy phyllic and propylitic altered granodiorite with minor quartz-ankerite stringers hosting disseminated to blebby pyrite.							
									PRO	1I		
						MD	GN	PA	PHC	2I	Py	0.01
59.60	73.64	14.04	GRD	--	Rubbly and clay-rich, patchy propylitic, phyllic and argillic altered granodiorite; pyrite disseminated in phyllic altered material.							
						LT	GN	RB	PHC	2I	Py	0.1
								BX				
						LT	WH	PA	ARG	3I		
73.64	87.09	13.45	GRD	--	Mostly competent and patchy, weakly altered granodiorite (trace phyllic and argillic alteration) containing few, barren quartz stringers.							
									ARG	1I		
						MD	GY	PA	PHC	1I	Py	0.01
87.09	109.31	22.22	GRD	--	Patchy phyllic, argillic, propylitic and potassic altered sections. Quartz-carbonate stringers and veinlets are common, sometimes hosting pyrite. Phyllic altered envelopes often contain quartz-carbonate veins up to a few centimetres wide, hosting variable amounts of disseminated to blebby pyrite. Phyllic and propylitic alteration dominates at the top of the interval, whereas argillic and potassic alteration dominate near the bottom.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
									POT	2I		
						LT	WH	RB	PRO	2I		
						MD	PK		ARG	3I		
						MD	GN	PA	PHC	3I	Py	0.1
109.31	114.66	5.35	GRD	--	Largely unaltered granodiorite with small phyllic envelopes up to 5 cm wide with quartz-carbonate stringers/veinlets hosting blebby pyrite.							
						MD	GY	EN	PHC	1I	Py	0.01
114.66	130.79	16.13	GRD	--	Patchy phyllic envelopes within unaltered and weakly argillic altered granodiorite. Phyllic envelopes contain quartz-carbonate veinlets hosting variable amounts of blebby pyrite (+/- chalcopyrite).							
						MD	GY	PA	PHC	3I	Py	0.01
						MD	GN		ARG	1I		
130.79	132.55	1.76	QFP	--	Tan to green quartz-feldspar dyke with quartz stringers and veinlets.							
						LT	GN					
						MD	TN	PO				
132.55	133.12	0.57	GRD	--	Phyllic and argillic altered granodiorite.							
						LT	WH		ARG	2I		
						MD	GN	PA	PHC	2I		
133.12	133.35	0.23	QFP	--	Tan to green quartz-feldspar dyke with quartz stringers and veinlets.							
						LT	GN					
						MD	TN	PO				
133.35	134.58	1.23	GRD	--	Phyllic and argillic altered granodiorite.							
						LT	WH		ARG	2I		
						MD	GN	PA	PHC	3I		
134.58	144.00	9.42	QFP	--	Tan to green quartz-feldspar dyke with quartz stringers and veinlets.							
						LT	GN					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	TN	PO				
144.00	144.99	0.99	GRD	--	Phyllic altered granodiorite.							
						MD	GN		PHC	3I		
144.99	146.38	1.39	QFP	--	Tan to green quartz-feldspar dyke with quartz stringers and veinlets.							
						MD	TN	PO				
146.38	146.81	0.43	GRD	--	Phyllic envelope containing one, 5 cm wide, sulphide and clay-rich section as the hangingwall to the next dyke interval.							
								BX				
						MD	GN	EN	PHC	3I	Py	1
146.81	146.98	0.17	QFP	--	Tan quartz-feldspar dyke.							
						MD	TN	PO				
146.98	147.46	0.48	GRD	--	Phyllic altered envelope containing few quartz stringers and veinlets hosting blebby pyrite.							
						MD	GN	EN	PHC	3I	Py	0.1
147.46	154.53	7.07	GRD	--	Unaltered granodiorite to EOH.							
						MD	GY					

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
0.00	2.79	2.79	0	0	0.00	0	--	--	--	Casing, no recovery.
2.79	5.49	2.70	2.5	93	0.12	4	--	1H	5W	
5.49	8.53	3.04	2.52	83	0.12	4	--	2H	4W	
8.53	11.58	3.05	1.71	56	0.00	0	--	1H	2W	
11.58	14.40	2.82	2.74	97	0.96	34	--	3H	2W	
14.40	15.87	1.47	0.68	46	0.68	46	--	3H	3W	
15.87	17.02	1.15	1.15	100	0.47	41	--	3H	2W	Lost core.
17.02	17.68	0.66	0.44	67	0.37	56	--	4H	2W	
17.68	19.55	1.87	1.87	100	1.03	55	--	4H	2W	
19.55	20.73	1.18	1.18	100	0.13	11	--	3H	2W	
20.73	23.77	3.04	3.04	100	2.27	75	--	3H	2W	
23.77	26.82	3.05	3.05	100	2.05	67	--	3H	2W	
26.82	29.87	3.05	3.05	100	0.91	30	--	4H	2W	
29.87	32.92	3.05	3.05	100	2.22	73	--	5H	1W	
32.92	35.97	3.05	2.96	97	2.24	73	--	5H	1W	
35.97	39.01	3.04	3.04	100	1.81	60	--	5H	1W	
39.01	42.06	3.05	3.05	100	2.06	68	--	3H	1W	
42.06	45.11	3.05	3.05	100	1.70	56	--	3H	1W	
45.11	48.16	3.05	3	98	2.17	71	--	3H	1W	
48.16	51.21	3.05	3.05	100	1.75	57	--	4H	1W	
51.21	54.25	3.04	3.04	100	2.23	73	--	4H	1W	
54.25	57.30	3.05	2.96	97	2.52	83	--	5H	1W	
57.30	60.35	3.05	3.05	100	1.08	35	--	4H	1W	
60.35	63.40	3.05	3.05	100	0.59	19	--	3H	1W	
63.40	66.45	3.05	3.05	100	0.23	8	--	3H	1W	
66.45	69.49	3.04	2.96	97	0.41	13	--	3H	1W	
69.49	72.54	3.05	3.02	99	0.26	9	--	3H	1W	
72.54	75.59	3.05	3.05	100	0.63	21	--	3H	1W	
75.59	78.64	3.05	3.05	100	1.09	36	--	3H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
78.64	81.69	3.05	2.98	98	0.68	22	--	4H	1W	
81.69	84.73	3.04	2.98	98	0.56	18	--	4H	1W	
84.73	87.78	3.05	2.85	93	0.40	13	--	3H	1W	
87.78	90.83	3.05	2.88	94	1.15	38	--	3H	1W	
90.83	93.88	3.05	2.85	93	1.99	65	--	3H	1W	
93.88	96.93	3.05	2.9	95	1.86	61	--	4H	1W	
96.93	99.97	3.04	2.93	96	1.41	46	--	4H	1W	
99.97	103.02	3.05	3.04	100	1.97	65	--	4H	1W	
103.02	106.07	3.05	3.05	100	1.68	55	--	4H	1W	
106.07	109.12	3.05	3.02	99	1.41	46	--	4H	1W	
109.12	112.17	3.05	3.02	99	1.89	62	--	5H	1W	
112.17	115.21	3.04	3.04	100	2.36	78	--	5H	1W	
115.21	118.26	3.05	3.02	99	2.37	78	--	4H	1W	
118.26	121.31	3.05	3.05	100	1.06	35	--	4H	1W	
121.31	124.36	3.05	3.05	100	1.59	52	--	4H	1W	
124.36	127.41	3.05	3.02	99	1.55	51	--	4H	1W	
127.41	130.45	3.04	3.04	100	1.93	63	--	4H	1W	
130.45	133.50	3.05	3.05	100	1.66	54	--	3H	1W	
133.50	136.55	3.05	3.05	100	2.15	70	--	3H	1W	
136.55	139.60	3.05	3.03	99	1.13	37	--	3H	1W	
139.60	142.65	3.05	3.02	99	1.45	48	--	4H	1W	
142.65	145.69	3.04	3.03	100	2.74	90	--	3H	1W	
145.69	148.74	3.05	3.01	99	2.41	79	--	3H	1W	
148.74	151.79	3.05	3.05	100	1.94	64	--	4H	1W	
151.79	154.53	2.74	2.73	100	2.14	78	--	5H	1W	

KL-15-259

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
0.00	0.00	0.00	-QC-	0.00	0	R610259	☐	15-053		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R610185	☐	15-049			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R610267	☐	15-055			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R610254	☐	15-053			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R610230	☐	15-053			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R610214	☐	15-051		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R610210	☐	15-051			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R610200	☐	15-051		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R610193	☐	15-051			☑	☐	☐
3.31	6.31	3.00	GRD	2.83	94	R610182	☐	15-049			☐	☐	☐
6.31	8.53	2.22	GRD	2.11	95	R610183	☐	15-049			☐	☐	☐
8.53	10.82	2.29	GRD	1.10	48	R610184	☐	15-049			☐	☐	☐
10.82	13.09	2.27	GRD, GRD	2.09	92	R610186	☐	15-049			☐	☐	☐
13.09	14.40	1.31	GRD	1.15	88	R610187	☐	15-049			☐	☐	☐
14.40	17.02	2.62	GRD	1.69	65	R610188	☐	15-049			☐	☐	☐
17.02	19.34	2.32	GRD	1.89	81	R610189	☐	15-049			☐	☐	☐
19.34	19.82	0.48	GRD	0.48	100	R610190	☐	15-049			☐	☐	☐
19.82	20.32	0.50	GRD	0.50	100	R610191	☐	15-051			☐	☐	☐
20.32	21.40	1.08	GRD	0.95	88	R610192	☐	15-051			☐	☐	☐
21.40	23.08	1.68	GRD	1.62	96	R610194	☐	15-051			☐	☐	☐
23.08	24.75	1.67	GRD	1.62	97	R610195	☐	15-051			☐	☐	☐
24.75	25.48	0.73	GRD	0.68	93	R610196	☐	15-051			☐	☐	☐
25.48	26.64	1.16	GRD, GRD	1.12	97	R499345	☐	15-056	HG 4		☐	☐	☐
26.64	27.21	0.57	GRD, GRD	0.55	96	R499346	☐	15-068	High grade		☐	☐	☐
27.21	28.24	1.03	GRD	1.01	98	R610197	☐	15-051			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
28.24	29.42	1.18	GRD	1.18	100	R610198	☐	15-051			☐	☐	☐
29.42	30.49	1.07	GRD	1.04	97	R610199	☐	15-051			☐	☐	☐
30.49	31.47	0.98	GRD	0.98	100	R610201	☐	15-051		KL-STD4	☐	☐	☐
49.96	51.38	1.42	GRD, GRD	1.42	100	R610202	☐	15-051			☐	☐	☐
51.38	52.34	0.96	GRD	0.96	100	R499347	☐	15-068	High grade		☐	☐	☐
52.34	53.52	1.18	GRD	1.11	94	R610203	☐	15-051			☐	☐	☐
59.60	60.97	1.37	GRD, GRD	1.26	92	R610207	☐	15-051			☐	☐	☐
60.97	62.00	1.03	GRD	1.03	100	R610208	☐	15-051			☐	☐	☐
62.00	62.55	0.55	GRD	0.55	100	R610209	☐	15-051			☐	☐	☐
62.55	64.59	2.04	GRD	2.04	100	R610211	☐	15-051			☐	☐	☐
64.59	66.15	1.56	GRD	1.52	97	R610212	☐	15-051			☐	☐	☐
66.15	68.36	2.21	GRD	2.21	100	R610213	☐	15-051			☐	☐	☐
86.57	87.09	0.52	GRD	0.52	100	R610215	☐	15-051			☐	☐	☐
87.09	87.87	0.78	GRD, GRD	0.65	83	R610216	☐	15-051			☐	☐	☐
87.87	88.36	0.49	GRD	0.49	100	R610217	☐	15-051			☐	☐	☐
87.87	88.36	0.49	GRD	0.49	100	R610218	☐	15-051			☐	☑	☐
92.52	93.00	0.48	GRD	0.48	100	R610222	☐	15-051			☐	☐	☐
93.00	93.88	0.88	GRD	0.88	100	R610223	☐	15-051			☐	☐	☐
93.88	94.34	0.46	GRD	0.44	96	R610224	☐	15-051			☐	☐	☐
114.11	114.66	0.55	GRD	0.52	95	R610225	☐	15-051			☐	☐	☐
114.66	115.02	0.36	GRD, GRD	0.35	97	R610226	☐	15-051			☐	☐	☐
115.02	115.51	0.49	GRD	0.49	100	R610227	☐	15-053			☐	☐	☐
122.68	123.79	1.11	GRD	1.11	100	R610228	☐	15-053			☐	☐	☐
123.79	124.13	0.34	GRD	0.34	100	R610229	☐	15-053			☐	☐	☐
124.13	125.63	1.50	GRD	1.48	99	R610231	☐	15-053			☐	☐	☐
125.63	126.32	0.69	GRD	0.55	80	R610249	☐	15-053			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
126.32	126.64	0.32	GRD	0.32	100	R610250	☐	15-053			☐	☐	☐
126.64	127.58	0.94	GRD	0.94	100	R610251	☐	15-053			☐	☐	☐
127.58	128.72	1.14	GRD	1.10	96	R610252	☐	15-053			☐	☐	☐
128.72	129.02	0.30	GRD	0.30	100	R610253	☐	15-053			☐	☐	☐
129.02	130.79	1.77	GRD	1.62	92	R610255	☐	15-053			☐	☐	☐
130.79	132.55	1.76	GRD, QFP	1.72	98	R610256	☐	15-053			☐	☐	☐
132.55	133.12	0.57	GRD, QFP	0.54	95	R610257	☐	15-053			☐	☐	☐
133.12	133.50	0.38	GRD, QFP	0.35	92	R610258	☐	15-053			☐	☐	☐
133.50	134.58	1.08	GRD	1.08	100	R610260	☐	15-053			☐	☐	☐
134.58	135.10	0.52	QFP, GRD	0.52	100	R610261	☐	15-053			☐	☐	☐
135.10	136.15	1.05	QFP	1.04	99	R610262	☐	15-053			☐	☐	☐
136.15	137.24	1.09	QFP	1.03	94	R610263	☐	15-055			☐	☐	☐
144.00	144.99	0.99	QFP, GRD	0.93	94	R610264	☐	15-055			☐	☐	☐
144.99	146.38	1.39	QFP, GRD	1.38	99	R610265	☐	15-055			☐	☐	☐
146.38	146.81	0.43	QFP, GRD	0.43	100	R610266	☐	15-055			☐	☐	☐
146.81	147.36	0.55	QFP, GRD	0.55	100	R610268	☐	15-055			☐	☐	☐
147.36	148.16	0.80	GRD	0.72	90	R610269	☐	15-055			☐	☐	☐

Klaza - Klaza Project

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		381581	6889767	1282.57	453.24

ZONE: Western BRX

SECTION: BRX 9+450

HOLE: KL-15-260

CLAIM:

Contractor: Platinum

Drill: 1

Core Size: HQ-NQ2

Casing Depth: 50.29m, In

Drilling Dates: Jul 09 - Jul 13, 2015

Geology Logged By: T. Cruz

SURVEY			
Depth (m)	Azimuth	Dip	Method
23.46	205.5	-49.8	Reflex
453.23	49.4	-44.8	Reflex

TARGET:

SUMMARY			
From (m)	To (m)	Interval (m)	Rock Type
0	7.5	7.5	CAS
7.5	25.2	17.7	GRD
25.2	29.4	4.2	QFP
29.4	46.75	17.35	GRD
46.75	55.1	8.35	GRD
55.1	79.95	24.85	GRD
79.95	82.7	2.75	GRD
82.7	104.1	21.4	GRD
104.1	125.07	20.97	GRD
125.07	250.73	125.66	GRD
250.73	331.77	81.04	GRD
331.77	335.57	3.8	GRD
335.57	371.17	35.6	GRD
371.17	382.94	11.77	GRD
382.94	389.58	6.64	GRD
389.58	391.4	1.82	GRD

SAMPLES	
Numbers:	R499360, R499362 to R499369, R610204 to R610206, R610219 to R610221, R610232 to R610248, R610270 to R610339
Total:	102
Batch:	051, 053, 055, 059, 060, 068
Certificates:	WH15103716, WH15103719, WH15105473, WH15105482, WH15105487, WH15106938, WH15106945

COMMENTS

Reduced to NQ at 145.39 m (477')

391.4	417.61	26.21	GRD
417.61	421.52	3.91	GRD
421.52	429.69	8.17	GRD
429.69	430.15	0.46	BXA
430.15	432.81	2.66	GRD
432.81	433.38	0.57	VEN
433.38	436.66	3.28	QFP
436.66	439.88	3.22	GRD
439.88	453.24	13.36	GRD

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
7.50	25.20	17.70	GRD	MG	Intensely weathered and oxidized granodiorite, with pervasive strong clay alteration. The interval is devoid of coherent rocks, as almost the entire interval is crumbled or converted to clay. Clay typically retains cylindrical shape, but drier material crumbles. There are some rubbley fragments of intensely oxidized granodiorite, but most pieces are altered beyond recognition. Geothite is present on 25% of fractures.							
						MD	OR	RB	CLY	5I		
						MD	GN	PB	OXI	4I		
						DK	BN		LIM	3I		
25.20	29.40	4.20	QFP	FG	Intensely oxide stained hydrothermally altered quartz feldspar porphyry dyke. Very rubbly recovery, but this interval contains the most competent core in the top of hole. There is still extensive clay alteration and gouge, and the rock fragments are pervasively stained brown.							
						MD	BN	FR	OXI	4I		
						LT	OR	RB	CLY	4I		
						LT	BN	PB	HYD	4I		
29.40	36.10	6.70	GRD	MG	Intensely weathered and oxidized granodiorite, with pervasive strong clay alteration. The interval is devoid of coherent rocks, as almost the entire interval is crumbled or converted to clay. Clay typically retains cylindrical shape, but drier material crumbles. There are some rubbley fragments of intensely oxidized granodiorite, but most pieces are altered beyond recognition. Geothite is present on 25% of fractures. Core recovery is very poor, often with less than 50% of interval recovered. Recovery is very clay rich and sticky.							
						MD	BN	FR	OXI	4I		
						MD	OR					
						LT	OR	RB	CLY	5I		
						LT	BN	PB	LIM	3I		
						DK	BN					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
36.10	46.75	10.65	GRD	MG	most pieces are altered beyond recognition. Geothite is present on 25% of fractures. Core recovery is very poor, often with less than 50% of interval recovered. Recovery is drier and shows more crumbling.							
						MD	OR	PB				
						MD	BN	FR	OXI	4I		
						LT	BN	RB	CLY	2I		
						LT	OR					
						DK	BN					
46.75	49.98	3.23	GRD	MG	Fractured granodiorite with patchy argillic alteration. Overall, oxide staining is moderate and decreases to weak with depth. Staining is semi-pervasive. There is trace clay alteration along fractures.							
						MD	BN	RB	OXI	3I		
						LT	WH	PA	CLY	1I		
						LT	BN	FR	ARG	2I		
49.98	55.10	5.12	GRD	MG	Fractured granodiorite with patchy argillic alteration that is crosscut by several aplite dykes. These aplite dykes show somewhat gradational/irregular contacts with granodiorite, indicative of mixing or partial melting of the two lithologies. Overall, oxide staining is moderate and decreases to weak with depth. Staining is semi-pervasive. There is trace clay alteration along fractures.							
						MD	BN	FR	OXI	2I		
						MD	PK					
						MD	GY					
						LT	BN	RB	ARG	2I		
						LT	PK					
						LT	WH		CLY	1I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
55.10	62.80	7.70	GRD	MG	Initially argillic altered granodiorite cut by pink aplite dykelets with gradational contacts indicating partial melting or warm host rock. Granodiorite appears bleached by alteration, with patchy silicification and trace propylitic overprint. Clay alteration along fractures (open and healed) is common, but increases with depth.							
						LT	PK	RX	CLY	2I		
						LT	GN	PA	SIL	2I		
						LT	WH	CR	ARG	2I		
						LT	GY		BLE	3I		
									PRO	1I		
62.80	66.34	3.54	GRD	MG	Initially argillic altered granodiorite cut by pink aplite dykelets with gradational contacts indicating partial melting or warm host rock. Granodiorite appears bleached by alteration, with patchy silicification and trace propylitic overprint. Clay alteration along fractures (open and healed) leads to crackled textures and gouge seams.							
						LT	WH	CR	ARG	2I		
						LT	GY		BLE	3I		
						LT	PK		CLY	2I		
						LT	GN		SIL	2I		
									PRO	1I		
66.34	79.95	13.61	GRD	MG	Initially argillic altered granodiorite cut by pink aplite dykelets with gradational contacts indicating partial melting or warm host rock. Granodiorite appears bleached by alteration, with patchy silicification, potassic, and trace propylitic overprint. Clay alteration along fractures (open and healed) is common, but increases with depth.							
						LT	PK	RX	PRO	1I		
						LT	GN	PA	SIL	3I		
						LT	WH	FR	ARG	2I		
						LT	GY	CR	PHC	1I		
									POT	1I		
									CLY	2I		
79.95	82.70	2.75	GRD	MG	Moderate argillic altered granodiorite with weak-moderate potassic and weak propylitic overprint.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	PK		POT	2I		
						LT	WH		ARG	3I		
						LT	GN		PRO	1I		
82.70	102.02	19.32	GRD	MG	Granodiorite with occasional quartz-carbonate vein-associated argillic halos. Patchy propylitic, potassic, and silicification throughout. Trace clay alteration along fractures. Some white quartz-carbonate veining is accompanied by chlorite and hematite.							
						MD	GY	PA	PRO	2I		
						MD	PK		POT	2I		
						LT	GN	RX	SIL	3I		
						LT	WH		ARG	2I		
									PHC	1I		
102.02	104.10	2.08	GRD	MG	Argillic and propylitic altered granodiorite cut by several pink aplite dykes. This interval is fractured.							
						MD	GN	RB	PRO	2I		
						MD	PK	FR	ARG	2I		
						LT	WH	PA				
104.10	123.40	19.30	GRD	MG	Faulted, fractured granodiorite with patchy argillic, propylitic, potassic, and phyllic alteration. Phyllic alteration is rarer than the other types. Patches are bleached by fault related fluids. Gouge in some zones. Cut by 3 pyrite-bearing quartz-carbonate veins.							
						MD	GN		ARG	3I		
						LT	GY	RB	POT	1I		
						LT	WH	PA	PRO	2I		
						LT	GN	FR	PHC	1I	Py	0.1
						LT	PK		BLE	3I		
									CLY	2I		
123.40	125.07	1.67	GRD	MG	Moderately silicified and bleached granodiorite, with patchy/semi-pervasive hematite staining and chlorite veinlets.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	PK	RX	HEM	3I		
						MD	GN	PA	CHL	2I		
						LT	PK		BLE	3I		
									SIL	3I		
125.07	130.12	5.05	GRD	MG	Granodiorite with patchy weak-trace potassic and propylitic, cut by quartz-carbonate veins and aplite dykes. Veining is accompanied by proximal phyllic and distal argillic halos.							
						MD	GY	PA	POT	1I		
						MD	GN		PRO	3I		
						LT	PK		ARG	2I		
						LT	GN		PHC	2I		
130.12	134.77	4.65	GRD	MG	Wide patch of alternating argillic and phyllic alterations, with some potassic/propylitic overprint.							
						MD	GN	PA	PHC	2I		
						LT	WH		ARG	2I		
						LT	PK		POT	2I		
						LT	GN		PRO	3I		
134.77	136.00	1.23	GRD	MG	Fresh granodiorite with patchy trace-weak potassic overprint.							
						MD	GY		POT	1I		
						LT	PK					
136.00	138.38	2.38	GRD	MG	Wide patch of phyllic alteration with weak silcification and propylitic overprints. Cut by aplite dykes and quartz-carbonate veins.							
						MD	GN		PHC	3I		
						LT	GN	RX	SIL	2I		
									PRO	1I		
138.38	143.85	5.47	GRD	MG	Fresh granodiorite with patchy or fracture-related potassic and propylitic alteration. Patch trace silicification is present.							
						MD	GY	PA	SIL	1I		
						MD	GN		PRO	1I		
						LT	PK		POT	1I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
143.85	145.70	1.85	GRD	MG	Patch of proximal phyllic and distal argillic halos around two banded quartz-carbonate veins witih disseminated pyrite and trace disseminated hematite. Trace hematite staining along fractures.							
						LT	GN	PA	PHC	3I	Py	0.1
						LT	RD		HEM	2I		
						LT	WH		ARG	2I	He	0.1
145.70	160.63	14.93	GRD	MG	Fresh granodiorite cut by occasional carbonate veinlets with narrow argillic halos. Patchy to semi-pervasive propylitic and potassic are common.							
						MD	GN		PRO	2I		
						MD	GN		POT	1I		
						LT	PK		ARG	2I		
160.63	166.98	6.35	GRD	MG	Patch of partially bleached granodiorite with vein-associated phyllic, propylitic, potassic, and argillic alteration. There are some narrow gouge zones near intense fracturing. Cut by quartz-carbonate veins with disseminated pyrite.							
						LT	GN	PA	CLY	2I	Py	0.1
						LT	WH	FR	PHC	3I		
						LT	PK		BLE	1I		
									POT	1I		
									PRO	1I		
166.98	201.38	34.40	GRD	MG	Fresh granodiorite cut by quartz-carbonate veining and aplite dykes with narrow alteration halos. Patchy trace-weak propylitic and potassic alteration.							
						MD	GY	PA	PRO	1I		
						MD	GN		POT	1I		
						LT	GN		PHC	1I		
						LT	PK		ARG	1I		
201.38	205.19	3.81	GRD	MG	Weak-moderate pervasive propylitic with patchy potassic and silicification. Cut by white carbonate veinlets.							
						MD	GN	PA	PRO	3I		
						LT	PK	MO	POT	1I		
									SIL	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
205.19	209.91	4.72	GRD	MG	Generally fresh granodiorite with patchy weak propylitic and weak potassic alteration .							
						MD	GY	PA	PRO	2I		
						MD	GN		POT	1I		
						LT	PK					
209.91	213.10	3.19	GRD	MG	Moderate-strong propylitic altered granodiorite with a patch of strong hematite staining. There is also some weak epidote found among hematite staining.							
						MD	GN	PA	PRO	4I	Ep	0.1
						MD	RD					
						LT	GN					
						DK	GN		HEM	3I		
213.10	226.88	13.78	GRD	MG	Pervasive weakly propylitic altered granodiorite with carbonate veins hosting hematite and some rhodochrosite.							
						MD	GN		PRO	3I		
									HEM	1I		
226.88	228.99	2.11	GRD	MG	Phyllic halo around a gouge zone with some sericite in the clay.							
						LT	GN		PHC	3I	Se	0.5
									CLY	2I	Py	0.1
228.99	242.12	13.13	GRD	MG	Patches of phyllic, propylitic, argillic, and potassic alteration related to white quartz-carbonate veining.							
						MD	GN		PRO	2I		
						LT	GN	PA	PHC	2I		
						LT	WH		ARG	1I		
						LT	PK		POT	2I		
242.12	250.73	8.61	GRD	MG	Granodiorite with pervasive propylitic alteration and clusters of chlorite stringers.							
						MD	GN					
						MD	GY		PRO	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
250.73	277.77	27.04	GRD	MG	Fresh granodiorite with mafic xenoliths, few white quartz-carbonate veins, and rare aplite dykes.							
						MD	GY					
277.77	278.36	0.59	GRD	MG	Phyllic vein halo with strong potassic alteration and silicification.							
						MD	PK	RX	PHC	2I	Py	0.1
						LT	GN		POT	4I		
									SIL	2I		
278.36	308.17	29.81	GRD	MG	Fresh granodiorite with mafic xenoliths and rare quartz-carbonate veins.							
						MD	GY					
308.17	312.76	4.59	GRD	MG	Granodiorite with patchy weak propylitic, potassic, and fracture-associated argillic alteration. Weak hematite staining on 10% of fractures.							
						MD	GN	PA	ARG	2I		
						LT	PK		PRO	2I		
						LT	WH		POT	2I		
									HEM	1I		
312.76	328.33	15.57	GRD	MG	Fresh granodiorite with patches of trace-weak propylitic and potassic alteration.							
						MD	GY	PA	PRO	1I		
						MD	GN		POT	1I		
						LT	PK					
328.33	330.56	2.23	GRD	MG	Patch of phyllic and argillic alteration around quartz-carbonate veins.							
						LT	GN	PA	PHC	2I		
						LT	WH	MO	ARG	3I		
						LT	PK		POT	1I		
330.56	331.77	1.21	GRD	MG	Fresh granodiorite with trace patchy potassic.							
						MD	GY	PA	POT	1I		
						LT	PK					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
331.77	335.57	3.80	GRD	MG	Wide phyllic halo on several quartz-carbonate veins, some of which host pyrite.							
						LT	GN		PHC	4I	Py	0.1
									ARG	1I		
335.57	346.81	11.24	GRD	MG	Fresh granodiorite with patchy propylitic and potassic. Cut by few aplite dykes and quartz-carbonate veins with proximal phyllic and distal argillic halo.							
						MD	GY	PA	PRO	1I		
						MD	GN		PHC	1I		
						LT	GN		ARG	1I		
						LT	PK		POT	1I		
346.81	348.20	1.39	GRD	MG	Proximal phyllic and distal argillic halo on gouge and quartz veins with a propylitic overprint.							
						MD	GN		ARG	2I		
						LT	GN		PHC	2I		
									PRO	2I		
348.20	361.25	13.05	GRD	MG	Fresh granodiorite cut by pink aplite dyklets and carbonate veins with propylitic halos.							
						MD	GN		PRO	1I		
						MD	GY		POT	1I		
						LT	PK					
361.25	363.29	2.04	GRD	MG	Wide proximal phyllic and distal argillic halos on a pair of white quartz-carbonate-pyrite veins with propylitic overprint.							
						MD	GN	ZO	ARG	1I		
						MD	GY	PA	PHC	2I	Py	0.1
						LT	GN		PRO	2I		
363.29	371.17	7.88	GRD	MG	Fresh granodiorite with patchy trace potassic, propylitic, and silicification. Box 96 was dropped, so 365.77-370.23m are out of order.							
						MD	GY	PA	POT	1I		
						MD	GN					
						LT	PK		PRO	1I		
371.17	373.41	2.24	GRD	MG	Outer patchy argillic and phyllic halo of vein zone, with propylitic and potassic overprint.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GN		POT	2I		
						LT	GN	ZO	ARG	3I		
						LT	WH	PA	PRO	2I		
						LT	PK		PHC	2I		
373.41	376.30	2.89	GRD	MG	Strong pervasive phyllic altered granodiorite with a wide gouge zone with jjigsaw clasts of granodiorite. Trace disseminated pyrite in groundmass.							
						LT	GY		CLY	2I		
						LT	GN		PHC	4I	Py	0.1
376.30	378.65	2.35	GRD	MG	Strong-moderate pervasive phyllic granodiorite with patchy trace propylitic and weak sillicification. Cut by narrow gouge seams, netted white carbonate veinlets/stringers, quartz-carbonate-pyrite veinlets, and an altered aplite. Disseminated pyrite throughout groundmass.							
						LT	GN	NE	PRO	1I	Py	0.5
								PA	PHC	4I		
									SIL	2I		
									CLY	1I		
378.65	382.94	4.29	GRD	MG	Strong phyllic altered granodiorite with patchy propylitic and trace patchy silicification. This differs from the previous interval in that it is more strongly mineralized, cut by crustiform carbonate netted breccias, white quartz-carbonate veins with pyrite and other sulphides. Wider veins tend to host pyrite and sphalerite. One vein in particular hosts large blebs of pyrite with plumose borders.							
						MD	GN		PRO	1I	Gn	0.1
						LT	GY	PA	CLY	1I	Sp	0.5
						LT	GN	NE	PHC	4I	Py	1
382.94	386.90	3.96	GRD	MG	Granodiorite with proximal phyllic and distal argillic halos on quartz-carbonate veins (mostly barren, otherwise with trace disseminated pyrite), patchy propylitic and potassic overprint, and a patch of strong dumortierite.							
						MD	GN		POT	1I		
						LT	GN	ZO	PRO	2I		
						LT	WH	PA	ARG	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	PK		PHC	3I		
						LT	BL					
386.90	387.64	0.74	GRD	MG	Pervasive argillic altered granodiorite with weak potassic overprint. Dumortierite is the dominant clay, leading to an unusual blue-pink mottled colour.							
						LT	BL	MO	ARG	3I		
						LT	PK		POT	2I		
387.64	389.58	1.94	GRD	MG	Phyllic halos on quartz-carbonate veinlets with intermediary patches of propylitic and potassic alteration.							
						MD	GN		PHC	2I		
						LT	PK	PA	POT	2I		
						LT	GN	MO	PRO	3I		
389.58	391.40	1.82	GRD	MG	Phyllic envelope around a polymetallic breccia and few banded quartz-carbonate veins. Patchy propylitic overprint.							
						MD	GN	BX	POT	1I	Sp	0.1
						LT	GN	PA	PRO	2I	Py	0.5
						LT	PK		PHC	3I	Gn	0.1
									ARG	2I		
391.40	394.49	3.09	GRD	MG	Granodiorite with alternating patches of propylitic and proximal phyllic and distal argillic vein halos. Potassic tends to overprint propylitic and argillic. Cut by white quartz-carbonate veins, some of which host pyrite.							
						MD	GY	PA	PRO	2I		
						MD	GN		POT	1I		
						LT	PK		PHC	2I		
						LT	GN		ARG	2I		
394.49	397.30	2.81	GRD	MG	Proximal phyllic and distal argillic halo on gouge and quartz-carbonate veins.							
						LT	GN	PA	PHC	3I		
						LT	WH		CLY	1I		
						LT	GY		ARG	2I		
397.30	401.82	4.52	GRD	MG	Granodiorite with patchy trace-weak potassic and propylitic alteration, cut by aplite dykes, mafic xenoliths, and a gouge seam.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GN		POT	1I		
						MD	GY					
						LT	PK	PA	PRO	2I		
401.82	403.19	1.37	GRD	MG	Proximal phyllic and distal argillic halo on quartz-carbonate veins with a potassic overprint.							
						MD	GN		PRO	1I		
						LT	GN	PA	PHC	2I		
						LT	PK		ARG	3I		
									POT	1I		
403.19	408.28	5.09	GRD	MG	Fresh granodiorite with patches of trace potassic and propylitic.							
						MD	GN	PA	PRO	1I		
						MD	GY		POT	1I		
						LT	PK					
408.28	413.69	5.41	GRD	MG	Patchy weak-moderate propylitic with narrow phyllic halos on quartz-carbonate veinlets.							
						MD	GY	PA	PHC	2I		
						MD	GN		POT	1I		
						LT	GN		PRO	3I		
413.69	417.61	3.92	GRD	MG	Granodiorite with patchy weak propylitic and potassic alteration and narrow phyllic halos on quartz-carbonate veinlets.							
						MD	GY	PA	PRO	1I		
						MD	GN		POT	1I		
						LT	GN					
						LT	PK		PHC	1I		
417.61	418.93	1.32	GRD	MG	Patchy argillic overprinted by patchy propylitic and potassic.							
						MD	GN	MO	POT	2I		
						LT	GN	PA	ARG	2I		
						LT	PK		PRO	2I		
						LT	WH					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
418.93	419.20	0.27	VEN	MG	Several bands of tan ankerite, white carbonate, and quartz showing local crustiform textures. Most sulphide is carried by tan ankerite, which hosts blebby honey brown sphalerite, blebby arsenopyrite, blebby pyrite, and trace blebby galena. Granodiorite between bands is strongly phyllic and silicified.							
						MD	TN				Sp	1
						LT	GN	RX	SIL	3I	Py	1
						LT	WH	BN	PHC	4I	As	2
											Gn	0.1
419.20	420.08	0.88	GRD	MG	Granodiorite with weak propylitic and potassic.							
						MD	GN		PRO	2I		
						LT	PK		POT	1I		
420.08	421.52	1.44	GRD	MG	Wide patch of phyllic granodiorite with weak propylitic and moderate silicified overprint. Cut by quartz veins with pyrite.							
						MD	GN		PRO	2I		
						LT	GN	RX	PHC	2I	Py	0.1
									SIL	3I		
421.52	423.66	2.14	GRD	MG	Granodiorite with patchy propylitic and potassic alteration.							
						MD	GY	PA	PRO	2I		
						MD	GN		POT	1I		
						LT	PK					
423.66	424.54	0.88	GRD	MG	Weak-moderate argillic altered granodiorite with weak potassic overprint and crumbling in argillic.							
						MD	GN	FR	ARG	3I		
						LT	PK					
						LT	WH		POT	1I		
424.54	429.69	5.15	GRD	MG	Semi pervasive argillic-propylitic with phyllic halos on quartz-carbonate veins. Pervasive potassic overprint.							
						MD	GN	PA	PRO	3I		
						LT	GN	MO	ARG	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	PK		PHC	2I		
									POT	2I		
429.69	430.15	0.46	BXA	MG	Series of cream carbonate-tan ankerite dominated veins with quartz bands, hosting massive-blebby pyrite, blebby honey brown sphalerite, and blebby-disseminated arsenopyrite. These veins are crackled brecciated by grey quartz-chalcedony and cream carbonate veinlets.							
						LT	CR	CR			Sp	0.5
						LT	GN	BN	PHC	2I	Py	1
						LT	WH				As	0.1
						LT	GY					
430.15	432.81	2.66	GRD	MG	granodiorite with patchy moderate phyllic, propylitic, and trace potassic overprint. Phyllic is related to rare quartz-carbonate veining.							
						MD	GN	MO	PRO	2I		
						LT	GN	PA	PHC	3I	Py	0.1
						LT	PK		POT	1I		
432.81	433.38	0.57	VEN	MG	BRX hanging wall vein: Vein is dominated by massive-intergrown sulphides, with partial brecciation by black quartz-pyrite. Low carbonate content, limited to a discontinuous band of cream carbonate. Arsenopyrite, honey brown sphalerite, pyrite, and galena all show rough banding, but have uneven boundaries with one another. There is trace jamesonite/sulphosalts mixed with arsenopyrite along the lower selvedge.							
						MD	BR	BX			Gn	10
						MD	BL	BN	SIL	1I	Py	1
						LT	GN				Sp	10
						DK	BN	MA	PHC	1I	Ja	0.1
						DK	BK				As	6
433.38	436.66	3.28	QFP	FG	Strongly hydrothermally altered light tan-green quartz feldspar porphyry dyke with few remaining phenocrysts. Crackled by fine calcite. Weak-moderate silicification.							
						LT	GN	RX	HYD	4I		
						LT	TN	PO	SIL	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
436.66	437.31	0.65	GRD	MG	Strongly phyllic altered granodiorite with clay alteration adjacent to quartz feldspar porphyry dyke contact. Cut by a black breccia hosting pyrite, arsenopyrite, sphalerite, and galena.							
						LT	GN	RX	PHC	4I	Py	0.5
						DK	BK	BX	CLY	1I	Sp	0.5
									SIL	3I	Gn	0.1
											As	0.1
437.31	438.08	0.77	GRD	MG	Moderate phyllic altered granodiorite with weak semi pervasive clay alteration, cut by a quartz-carbonate-sulphide vein. Disseminated pyrite throughout phyllic groundmass.							
						LT	GN		CLY	2I	Py	0.5
						LT	GY		PHC	3I	Sp	0.1
											As	0.1
438.08	439.88	1.80	GRD	MG	Moderately phyllic altered granodiorite with some interstitial clay alteration, cut by many massive white qtz-pyrite veins. Carbonate is limited to rare tan ankerite.							
						MD	BR				Sp	0.1
						LT	GN	MA	PHC	3I	Py	15
						LT	WH	BN	CLY	1I	Gn	0.1
439.88	447.83	7.95	GRD	MG	Alternating patches of argillic and phyllic alteration, with potassic, propylitic and silicified overprints.							
						LT	GN	PA	PHC	3I		
						LT	WH	MO	ARG	2I		
						LT	PK		PRO	2I		
									POT	2I		
447.83	451.06	3.23	GRD	MG	Pervasive propylitic and silicified granodiorite with trace potassic alteration.							
						MD	GY		SIL	3I		
						MD	GN		PRO	2I		
						LT	PK		POT	1I		
451.06	453.24	2.18	GRD	MG	Phyllic and argillic altered granodiorite with weak pervasive silicification.							
						LT	GN		SIL	2I	Py	0.1
									PHC	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
7.50	25.20	17.70	GRD	MG	Intensely weathered and oxidized granodiorite, with pervasive strong clay alteration. The interval is devoid of coherent rocks, as almost the entire interval is crumbled or converted to clay. Clay typically retains cylindrical shape, but drier material crumbles. There are some rubbley fragments of intensely oxidized granodiorite, but most pieces are altered beyond recognition. Geothite is present on 25% of fractures. Core recovery is very poor, often with less than 50% of interval recovered.							
						DK	BN		LIM	3I		
						MD	OR	RB	CLY	5I		
						MD	GN	PB	OXI	4I		
25.20	29.40	4.20	QFP	FG	Intensely oxide stained hydrothermally altered quartz feldspar porphyry dyke. Very rubbly recovery, but this interval contains the most competent core in the top of hole. There is still extensive clay alteration and gouge, and the rock fragments are pervasively stained brown.							
						MD	BN	FR	OXI	4I		
						LT	BN	PB	HYD	4I		
						LT	OR	RB	CLY	4I		
29.40	46.75	17.35	GRD	MG	Intensely weathered and oxidized granodiorite, with pervasive strong clay alteration. The interval is devoid of coherent rocks, as almost the entire interval is crumbled or converted to clay. Clay typically retains cylindrical shape, but drier material crumbles. There are some rubbley fragments of intensely oxidized granodiorite, but most pieces are altered beyond recognition. Geothite is present on 25% of fractures. Core recovery is very poor, often with less than 50% of interval recovered. Recovery is very clay rich and sticky from 29.40-36.10m. Below that, recovery is drier and shows more crumbling.							
						MD	BN	FR	OXI	4I		
						LT	OR	RB	CLY	4I		
						LT	BN	PB	LIM	3I		
						DK	BN					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	OR					
46.75	55.10	8.35	GRD	MG	Fractured granodiorite with patchy argillic alteration that is crosscut by several aplite dykes. These aplite dykes show somewhat gradational/irregular contacts with granodiorite, indicative of mixing or partial melting of the two lithologies. Overall, oxide staining is moderate and decreases to weak with depth. Staining is semi-pervasive. There is trace clay alteration along fractures.							
						MD	BN	RB	OXI	3I		
						LT	WH	PA	CLY	1I		
						LT	PK					
						MD	PK					
						LT	BN	FR	ARG	2I		
55.10	79.95	24.85	GRD	MG	Initially argillic altered granodiorite cut by pink aplite dykelets with gradational contacts indicating partial melting or warm host rock. Granodiorite appears bleached by alteration, with patchy silicification and trace propylitic overprint. Clay alteration along fractures (open and healed) is common, but increases with depth.							
						LT	GN	PA	SIL	2I		
						LT	WH	CR	ARG	2I		
						LT	GY		BLE	3I		
									PRO	1I		
						LT	PK	RX	CLY	2I		
79.95	82.70	2.75	GRD	MG	Moderate argillic altered granodiorite with weak-moderate potassic and weak propylitic overprint.							
						LT	WH		ARG	3I		
						MD	PK		POT	2I		
						LT	GN		PRO	1I		
82.70	104.10	21.40	GRD	MG	Granodiorite with occasional quartz-carbonate vein-associated argillic halos. Patchy propylitic, potassic, and silicification throughout. Trace clay alteration along fractures. Some white quartz-carbonate veining is accompanied by chlorite and hematite.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	GN	RX	SIL	3I		
									PHC	1I		
						LT	WH		ARG	2I		
						MD	PK		POT	2I		
						MD	GY	PA	PRO	2I		
104.10	125.07	20.97	GRD	MG	Faulted, fractured granodiorite with patchy argillic, propylitic, potassic, and phyllic alteration. Phyllic alteration is rarer than the other types. Patches are bleached by fault related fluids. Gouge in some zones. Cut by 3 pyrite-bearing quartz-carbonate veins.							
						LT	GN	FR	PHC	1I	Py	0.1
						LT	PK		BLE	3I		
						MD	GN		ARG	3I		
						LT	WH	PA	PRO	2I		
						LT	GY	RB	POT	1I		
									CLY	2I		
125.07	250.73	125.66	GRD	MG	Granodiorite with patchy weak-trace potassic and propylitic, cut by quartz-carbonate veins and aplite dykes. Veining is accompanied by proximal phyllic and distal argillic halos.							
						LT	GN		PHC	2I		
						LT	PK		ARG	2I		
						MD	GN		PRO	3I		
						MD	GY	PA	POT	1I		
250.73	331.77	81.04	GRD	MG	Fresh granodiorite.							
						MD	GY					
331.77	335.57	3.80	GRD	MG	Wide phyllic halo on several quartz-carbonate veins, some of which host pyrite.							
									ARG	1I		
						LT	GN		PHC	4I	Py	0.1
335.57	371.17	35.60	GRD	MG	Fresh granodiorite with patchy propylitic and potassic. Cut by few aplite dykes and quartz-carbonate veins with proximal phyllic and distal argillic halo.							
						MD	GY	PA	PRO	1I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GN		PHC	1I		
						LT	GN		ARG	1I		
						LT	PK		POT	1I		
371.17	382.94	11.77	GRD	MG	Strongly phyllic altered granodiorite cut by many mineralized quartz-carbonate veins, gouge zones, patchy silicification, and netted veinlets. Argillic outer halo is weak, with pervasive propylitic/potassic overprint. A rare form of plumose pyrite is present.							
						LT	GY		CLY	2I		
						LT	PK	PA	PRO	2I	Gn	0.1
									SIL	2I		
						MD	GN	ZO	POT	1I	Sp	0.1
						LT	GN	NE	ARG	2I	Py	0.5
382.94	389.58	6.64	GRD	MG	Granodiorite with proximal phyllic and distal argillic halos on quartz-carbonate veins (mostly barren, otherwise with trace disseminated pyrite), patchy propylitic and potassic overprint, and a patch of strong dumortierite.							
						LT	WH	ZO	ARG	3I		
						LT	GN	PA	PRO	2I		
						LT	BL					
						MD	GN		POT	1I		
						LT	PK		PHC	3I		
389.58	391.40	1.82	GRD	MG	Phyllic envelope around a polymetallic breccia and few banded quartz-carbonate veins. Patchy propylitic overprint.							
									ARG	2I		
						LT	PK		PHC	3I	Gn	0.1
						MD	GN	BX	POT	1I	Sp	0.1
						LT	GN	PA	PRO	2I	Py	0.5
391.40	417.61	26.21	GRD	MG	Granodiorite with alternating patches of propylitic and proximal phyllic and distal argillic vein halos. Potassic tends to overprint propylitic and argillic. Cut by white quartz-carbonate veins, some of which host pyrite.							
						MD	GY	PA	PRO	2I		
						LT	GN		ARG	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GN		POT	1I		
						LT	PK		PHC	2I		
417.61	421.52	3.91	GRD	MG	Patchy phyllic-argillic halos on mineralized quartz veins. One major (Bonus) vein at 418.98-419.20m) carries banded/crustiform textures, tan ankerite, arsenopyrite, pyrite, honey brown sphalerite, and galena. Argillic is overprinted by propylitic and potassic, with semi pervasive silicification throughout.							
									POT	1I		
						LT	GN	RX	PHC	3I	As	0.5
						MD	GN	PA	SIL	2I	Py	0.5
									PRO	2I	Gn	0.1
						LT	PK		ARG	2I	Sp	0.5
421.52	429.69	8.17	GRD	MG	Patchy phyllic and argillic alteration around rare veins. Semi pervasive propylitic and potassic overprint.							
						LT	PK		ARG	2I		
									POT	2I		
						LT	GN	FR	PHC	2I		
						MD	GN	PA	PRO	3I	Py	0.1
429.69	430.15	0.46	BXA	MG	Series of cream carbonate-tan ankerite dominated veins with quartz bands, hosting massive-blebby pyrite, blebby honey brown sphalerite, and blebby-disseminated arsenopyrite. These veins are crackled brecciated by grey quartz-chalcedony and cream carbonate veinlets.							
						LT	GN	BN	PHC	2I	Py	1
						LT	CR	CR			Sp	0.5
						LT	GY					
						LT	WH				As	0.1
430.15	432.81	2.66	GRD	MG	granodiorite with patchy moderate phyllic, propylitic, and trace potassic overprint. Phyllic is related to rare quartz-carbonate veining.							
						MD	GN	MO	PRO	2I		
						LT	GN	PA	PHC	3I	Py	0.1
						LT	PK		POT	1I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
432.81	433.38	0.57	VEN	MG	BRX hanging wall vein: Vein is dominated by massive-intergrown sulphides, with partial brecciation by black quartz-pyrite. Low carbonate content, limited to a discontinuous band of cream carbonate. Arsenopyrite, honey brown sphalerite, pyrite, and galena all show rough banding, but have uneven boundaries with one another. There is trace jamesonite/sulphosalts mixed with arsenopyrite along the lower selvedge.							
						DK	BK				As	6
						MD	BL	BN	SIL	1I	Py	1
						DK	BN	MA	PHC	1I	Ja	0.1
						MD	BR	BX			Gn	10
						LT	GN				Sp	10
433.38	436.66	3.28	QFP	FG	Strongly hydrothermally altered light tan-green quartz feldspar porphyry dyke with few remaining phenocrysts. Crackled by fine calcite. Weak-moderate silicification.							
						LT	TN	PO	SIL	3I		
						LT	GN	RX	HYD	4I		
436.66	439.88	3.22	GRD	MG	BRX Footwall Zone: Strongly phyllic altered granodiorite cut by black breccia and wide massive white quartz-pyrite veins with calcite bands. Some phyllic granodiorite shows clay alteration or silicification.							
						LT	WH	MA	CLY	2I	Py	6
						LT	GN	BX	SIL	2I	Sp	0.1
						MD	BR		PHC	4I	Gn	0.1
											As	0.1
439.88	453.24	13.36	GRD	MG	Granodiorite with patchy weak-moderate phyllic, argillic, and propylitic alteration, variably overprinted by weak potassic. EOH							
						MD	GN		SIL	2I		
						LT	WH	MO	ARG	2I		
						LT	PK		PRO	1I		
						MD	GY		POT	1I		
						LT	GN	PA	PHC	3I	Py	0.1

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
0.00	7.50	7.50	0	0	0.00	0	--	--	--	Casing/overburden. No recovery.
7.50	8.23	0.73	0.7	96	0.00	0	--	1H	4W	
8.23	11.28	3.05	1.68	55	0.00	0	--	1H	4W	
11.28	14.33	3.05	1.54	50	0.00	0	--	1H	4W	
14.33	17.37	3.04	2.88	95	0.00	0	--	1H	4W	
17.37	20.42	3.05	1.5	49	0.00	0	--	1H	4W	
20.42	23.47	3.05	2.81	92	0.00	0	--	1H	4W	
23.47	26.52	3.05	2.29	75	0.00	0	--	1H	4W	
26.52	29.57	3.05	1.52	50	0.31	10	--	1H	4W	
29.57	32.61	3.04	2.86	94	0.00	0	--	1H	4W	
32.61	35.66	3.05	1.64	54	0.00	0	--	1H	4W	
35.66	38.71	3.05	2.31	76	0.00	0	--	1H	4W	
38.71	41.76	3.05	2.92	96	0.00	0	--	1H	4W	
41.76	44.81	3.05	2.42	79	0.24	8	--	2H	4W	
44.81	47.85	3.04	2.84	93	1.30	43	--	2H	4W	
47.85	50.90	3.05	2.95	97	0.96	31	--	4H	2W	
50.90	53.95	3.05	2.72	89	1.17	38	--	3H	2W	
53.95	57.00	3.05	3.05	100	1.47	48	--	4H	2W	
57.00	60.05	3.05	3.05	100	2.03	67	--	4H	1W	
60.05	63.09	3.04	3.03	100	2.19	72	--	3H	1W	
63.09	66.14	3.05	2.93	96	1.90	62	--	3H	1W	
66.14	69.19	3.05	2.39	78	0.68	22	--	3H	1W	
69.19	72.24	3.05	2.82	92	1.41	46	--	3H	1W	
72.24	75.29	3.05	2.73	90	1.36	45	--	3H	1W	
75.29	78.33	3.04	2.64	87	1.07	35	--	3H	1W	
78.33	81.38	3.05	2.41	79	1.08	35	--	4H	1W	
81.38	84.43	3.05	2.94	96	2.20	72	--	4H	1W	
84.43	87.48	3.05	2.94	96	1.79	59	--	4H	1W	
87.48	90.53	3.05	2.85	93	1.56	51	--	4H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
90.53	93.57	3.04	2.83	93	1.30	43	--	4H	1W	
93.57	96.62	3.05	2.83	93	0.78	26	--	4H	1W	
96.62	99.67	3.05	3.02	99	0.98	32	--	3H	1W	
99.67	102.72	3.05	3.05	100	1.55	51	--	4H	1W	
102.72	105.77	3.05	3.05	100	0.58	19	--	3H	1W	
105.77	108.81	3.04	2.72	89	0.41	13	--	4H	1W	
108.81	111.86	3.05	2.91	95	0.91	30	--	3H	1W	
111.86	114.91	3.05	2.96	97	0.54	18	--	2H	1W	
114.91	117.96	3.05	2.95	97	0.48	16	--	2H	1W	
117.96	121.01	3.05	2.68	88	0.36	12	--	2H	1W	
121.01	124.05	3.04	2.9	95	1.77	58	--	3H	1W	
124.05	127.10	3.05	3.04	100	2.49	82	--	4H	1W	
127.10	130.15	3.05	3.05	100	1.61	53	--	4H	1W	
130.15	133.20	3.05	2.51	82	1.51	50	--	3H	1W	
133.20	136.25	3.05	2.95	97	2.68	88	--	3H	1W	
136.25	139.29	3.04	2.98	98	2.32	76	--	4H	1W	
139.29	142.34	3.05	3.03	99	3.03	99	--	4H	1W	
142.34	145.39	3.05	2.77	91	2.25	74	--	3H	1W	
145.39	148.44	3.05	2.98	98	2.10	69	--	4H	1W	
148.44	151.49	3.05	2.99	98	2.41	79	--	3H	1W	
151.49	154.53	3.04	3.01	99	2.38	78	--	3H	1W	
154.53	157.58	3.05	2.93	96	1.17	38	--	4H	1W	
157.58	160.63	3.05	3.03	99	1.91	63	--	4H	1W	
160.63	163.68	3.05	3.05	100	0.43	14	--	3H	1W	
163.68	166.73	3.05	2.82	92	0.95	31	--	4H	1W	
166.73	169.77	3.04	3.04	100	1.80	59	--	4H	1W	
169.77	172.82	3.05	3.02	99	2.41	79	--	4H	1W	
172.82	175.87	3.05	3.05	100	1.68	55	--	4H	1W	
175.87	178.92	3.05	3.05	100	2.31	76	--	4H	1W	
178.92	181.97	3.05	3.04	100	2.50	82	--	4H	1W	
181.97	185.01	3.04	2.94	97	1.15	38	--	4H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
185.01	188.06	3.05	3.05	100	1.25	41	--	3H	1W	
188.06	191.11	3.05	3.03	99	2.20	72	--	4H	1W	
191.11	194.16	3.05	2.95	97	1.38	45	--	3H	1W	
194.16	197.21	3.05	2.65	87	1.70	56	--	4H	1W	
197.21	200.25	3.04	3.04	100	1.70	56	--	4H	1W	
200.25	203.30	3.05	2.91	95	1.06	35	--	4H	1W	
203.30	206.35	3.05	2.92	96	2.35	77	--	4H	1W	
206.35	209.40	3.05	2.93	96	1.49	49	--	4H	1W	
209.40	212.45	3.05	2.93	96	2.19	72	--	4H	1W	
212.45	215.49	3.04	3.04	100	2.01	66	--	4H	1W	
215.49	218.54	3.05	2.96	97	2.12	70	--	4H	1W	
218.54	221.59	3.05	3.04	100	2.54	83	--	4H	1W	
221.59	224.64	3.05	3	98	1.89	62	--	4H	1W	
224.64	227.69	3.05	3.05	100	1.56	51	--	4H	1W	
227.69	230.73	3.04	3.02	99	0.93	31	--	4H	1W	
230.73	233.78	3.05	2.98	98	1.02	33	--	4H	1W	
233.78	236.83	3.05	2.89	95	1.10	36	--	4H	1W	
236.83	239.88	3.05	2.9	95	1.26	41	--	3H	1W	
239.88	242.93	3.05	3.05	100	2.20	72	--	4H	1W	
242.93	245.97	3.04	3.04	100	1.85	61	--	3H	1W	
245.97	249.02	3.05	3.05	100	1.81	59	--	3H	1W	
249.02	252.07	3.05	3.01	99	2.44	80	--	4H	1W	
252.07	255.12	3.05	3.02	99	2.96	97	--	4H	1W	
255.12	258.17	3.05	3.05	100	2.22	73	--	4H	1W	
258.17	261.21	3.04	3.03	100	2.16	71	--	4H	1W	
261.21	264.26	3.05	3.03	99	2.85	93	--	4H	1W	
264.26	267.31	3.05	3.03	99	2.84	93	--	4H	1W	
267.31	270.36	3.05	3.04	100	2.59	85	--	4H	1W	
270.36	273.41	3.05	3.05	100	2.60	85	--	4H	1W	
273.41	276.45	3.04	2.99	98	2.80	92	--	4H	1W	
276.45	279.50	3.05	3.05	100	2.88	94	--	4H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
279.50	282.55	3.05	3.01	99	2.94	96	--	4H	1W	
282.55	285.60	3.05	2.95	97	2.80	92	--	4H	1W	
285.60	288.65	3.05	3.04	100	2.80	92	--	4H	1W	
288.65	291.70	3.05	3.05	100	2.63	86	--	4H	1W	
291.70	294.74	3.04	2.98	98	2.15	71	--	4H	1W	
294.74	297.79	3.05	3.05	100	2.84	93	--	4H	1W	
297.79	300.84	3.05	3.02	99	2.66	87	--	4H	1W	
300.84	303.89	3.05	3.04	100	2.04	67	--	4H	1W	
303.89	306.93	3.04	3	99	2.14	70	--	3H	1W	
306.93	309.98	3.05	3.02	99	1.25	41	--	3H	1W	
309.98	313.03	3.05	3.05	100	2.28	75	--	3H	1W	
313.03	316.08	3.05	2.97	97	2.33	76	--	4H	1W	
316.08	319.13	3.05	2.96	97	1.78	58	--	4H	1W	
319.13	322.17	3.04	3.04	100	2.45	81	--	4H	1W	
322.17	325.22	3.05	2.97	97	2.35	77	--	4H	1W	
325.22	328.27	3.05	3.05	100	2.98	98	--	3H	1W	
328.27	331.32	3.05	3.05	100	3.01	99	--	3H	1W	
331.32	334.37	3.05	2.92	96	2.42	79	--	3H	1W	
334.37	337.41	3.04	3.04	100	3.04	100	--	3H	1W	
337.41	340.46	3.05	3.03	99	3.03	99	--	4H	1W	
340.46	343.51	3.05	3.04	100	3.04	100	--	4H	1W	
343.51	346.56	3.05	3.05	100	2.60	85	--	4H	1W	
346.56	349.61	3.05	3.05	100	2.92	96	--	4H	1W	
349.61	352.65	3.04	3.02	99	2.86	94	--	4H	1W	
352.65	355.70	3.05	3.03	99	2.89	95	--	4H	1W	
355.70	358.75	3.05	3.05	100	3.02	99	--	4H	1W	
358.75	361.80	3.05	2.92	96	2.74	90	--	4H	1W	
361.80	364.85	3.05	3.05	100	2.78	91	--	4H	1W	
364.85	367.89	3.04	3.04	100	2.33	77	--	4H	1W	Box dropped by helper. Core not all in order.
367.89	370.94	3.05	2.89	95	1.36	45	--	4H	1W	Box dropped by helper. Core not all in order.

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
370.94	373.99	3.05	2.9	95	1.76	58	--	3H	1W	
373.99	377.04	3.05	3.04	100	0.84	28	--	3H	1W	Gouge altered from 375.22-376.30m
377.04	380.09	3.05	2.89	95	1.75	57	--	3H	1W	
380.09	383.13	3.04	3.04	100	1.56	51	--	3H	1W	
383.13	386.18	3.05	3.05	100	1.40	46	--	3H	1W	
386.18	389.23	3.05	3.05	100	2.30	75	--	3H	1W	
389.23	392.28	3.05	3.04	100	1.72	56	--	3H	1W	
392.28	395.33	3.05	3.05	100	1.80	59	--	3H	1W	
395.33	398.37	3.04	3.04	100	1.89	62	--	3H	1W	
398.37	401.42	3.05	3.05	100	1.19	39	--	4H	1W	
401.42	404.47	3.05	3.05	100	2.35	77	--	4H	1W	
404.47	407.52	3.05	3.03	99	2.54	83	--	4H	1W	
407.52	410.57	3.05	3	98	2.54	83	--	3H	1W	
410.57	413.61	3.04	3.03	100	1.71	56	--	3H	1W	
413.61	416.66	3.05	2.99	98	2.21	72	--	4H	1W	
416.66	419.71	3.05	3.05	100	2.06	68	--	4H	1W	
419.71	422.76	3.05	3.05	100	2.38	78	--	4H	1W	
422.76	425.81	3.05	2.86	94	0.84	28	--	3H	1W	
425.81	428.85	3.04	3	99	2.33	77	--	3H	1W	
428.85	431.90	3.05	2.96	97	2.31	76	--	4H	1W	
431.90	434.95	3.05	3.01	99	1.74	57	--	3H	1W	
434.95	438.00	3.05	3.05	100	1.70	56	--	3H	1W	
438.00	441.05	3.05	3.03	99	1.81	59	--	4H	1W	
441.05	444.09	3.04	3.04	100	2.51	83	--	4H	1W	
444.09	447.14	3.05	3.05	100	2.92	96	--	4H	1W	
447.14	450.19	3.05	3.05	100	2.85	93	--	4H	1W	
450.19	453.24	3.05	3.03	99	3.03	99	--	4H	1W	

KL-15-260

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
0.00	0.00	0.00	-QC-	0.00	0	R499366	☐	15-068	High grade		☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R610236	☐	15-053		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R610275	☐	15-055		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R610284	☐	15-055		KL-STD6	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R610293	☐	15-055			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R610307	☐	15-059		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R610320	☐	15-059		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R610326	☐	15-059			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R610331	☐	15-059			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R499364	☐	15-068	High grade	ME-1402	☐	☐	☐
61.30	62.62	1.32	GRD	1.24	94	R610204	☐	15-051			☐	☐	☐
61.30	62.62	1.32	GRD	1.24	94	R610205	☐	15-051			☐	☐	☑
62.62	63.50	0.88	GRD	0.85	97	R610206	☐	15-051			☐	☐	☐
78.33	79.42	1.09	GRD	0.85	78	R610219	☐	15-051			☐	☐	☐
79.42	79.95	0.53	GRD	0.29	55	R610220	☐	15-051			☐	☐	☐
79.95	81.10	1.15	GRD, GRD	1.01	88	R610221	☐	15-051			☐	☐	☐
108.81	109.75	0.94	GRD	0.85	90	R610232	☐	15-053			☐	☐	☐
108.81	109.75	0.94	GRD	0.85	90	R610233	☐	15-053			☐	☑	☐
109.75	110.79	1.04	GRD	0.92	88	R610234	☐	15-053			☐	☐	☐
110.79	111.69	0.90	GRD	0.56	62	R610235	☐	15-053			☐	☐	☐
111.69	112.80	1.11	GRD	1.01	91	R610237	☐	15-053			☐	☐	☐
112.80	114.32	1.52	GRD	1.01	66	R610238	☐	15-053			☐	☐	☐
114.32	114.62	0.30	GRD	0.28	93	R610239	☐	15-053			☐	☐	☐
114.62	115.16	0.54	GRD	0.53	98	R610240	☐	15-053			☐	☐	☐
130.31	130.83	0.52	GRD	0.50	96	R610241	☐	15-053			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
130.83	132.83	2.00	GRD	1.34	67	R610242	☐	15-053			☐	☐	☐
130.83	132.83	2.00	GRD	1.34	67	R610243	☐	15-053			☐	☐	☑
132.83	134.03	1.20	GRD	1.15	96	R610244	☐	15-053			☐	☐	☐
134.03	134.77	0.74	GRD	0.58	78	R610245	☐	15-053			☐	☐	☐
134.77	136.12	1.35	GRD	1.35	100	R610246	☐	15-053			☐	☐	☐
136.12	136.90	0.78	GRD	0.78	100	R610247	☐	15-053			☐	☐	☐
136.90	138.38	1.48	GRD	1.42	96	R610248	☐	15-053			☐	☐	☐
143.85	145.70	1.85	GRD	1.63	88	R610270	☐	15-055			☐	☐	☐
160.63	162.55	1.92	GRD	1.64	85	R610271	☐	15-055			☐	☐	☐
160.63	162.55	1.92	GRD	1.64	85	R610272	☐	15-055			☐	☐	☑
162.55	163.68	1.13	GRD	1.10	97	R610273	☐	15-055			☐	☐	☐
163.68	165.78	2.10	GRD	1.54	73	R610274	☐	15-055			☐	☐	☐
165.78	166.72	0.94	GRD	0.94	100	R610276	☐	15-055			☐	☐	☐
225.43	226.95	1.52	GRD	1.52	100	R610277	☐	15-055			☐	☐	☐
226.95	228.28	1.33	GRD	1.31	98	R610278	☐	15-055			☐	☐	☐
331.81	333.24	1.43	GRD	1.38	97	R610279	☐	15-055			☐	☐	☐
331.81	333.24	1.43	GRD	1.38	97	R610280	☐	15-055			☐	☑	☐
333.24	334.37	1.13	GRD	1.09	96	R610281	☐	15-055			☐	☐	☐
334.37	335.39	1.02	GRD	1.02	100	R610282	☐	15-055			☐	☐	☐
371.17	373.41	2.24	GRD, GRD	2.02	90	R610283	☐	15-055			☐	☐	☐
373.41	374.86	1.45	GRD	1.44	99	R610285	☐	15-055			☐	☐	☐
374.86	376.30	1.44	GRD	1.37	95	R610286	☐	15-055			☐	☐	☐
376.30	377.04	0.74	GRD	0.71	96	R610287	☐	15-055			☐	☐	☐
377.04	378.73	1.69	GRD	1.62	96	R610288	☐	15-055			☐	☐	☐
378.73	379.81	1.08	GRD	1.00	93	R610289	☐	15-055			☐	☐	☐
379.81	380.36	0.55	GRD	0.52	95	R610290	☐	15-055			☐	☐	☐
380.36	380.66	0.30	GRD	0.29	97	R499360	☐	15-068	High grade		☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
380.66	381.15	0.49	GRD	0.46	94	R610291	☐	15-055			☐	☐	☐
381.15	382.03	0.88	GRD	0.86	98	R610292	☐	15-055			☐	☐	☐
382.03	382.85	0.82	GRD	0.82	100	R610294	☐	15-055			☐	☐	☐
382.85	384.52	1.67	GRD	1.65	99	R610295	☐	15-055			☐	☐	☐
384.52	386.90	2.38	GRD	2.24	94	R610296	☐	15-055			☐	☐	☐
386.90	388.66	1.76	GRD	1.76	100	R610297	☐	15-055			☐	☐	☐
388.66	389.63	0.97	GRD	0.93	96	R610298	☐	15-055			☐	☐	☐
389.63	390.41	0.78	GRD	0.78	100	R610299	☐	15-059			☐	☐	☐
390.41	390.71	0.30	GRD	0.30	100	R499362	☐	15-068	High grade		☐	☐	☐
390.71	391.71	1.00	GRD	0.91	91	R610300	☐	15-059			☐	☐	☐
391.71	394.15	2.44	GRD	2.32	95	R610301	☐	15-059			☐	☐	☐
391.71	394.15	2.44	GRD	2.32	95	R610302	☐	15-059			☐	☐	☑
394.15	395.18	1.03	GRD	1.03	100	R610303	☐	15-059			☐	☐	☐
395.18	395.81	0.63	GRD	0.63	100	R610304	☐	15-059			☐	☐	☐
395.81	397.07	1.26	GRD	1.26	100	R610305	☐	15-059			☐	☐	☐
417.61	418.50	0.89	GRD, GRD	0.86	97	R610306	☐	15-059			☐	☐	☐
418.50	418.90	0.40	GRD	0.40	100	R610308	☐	15-059			☐	☐	☐
418.90	419.20	0.30	GRD	0.28	93	R610309	☐	15-059			☐	☐	☐
419.20	420.08	0.88	GRD	0.86	98	R610310	☐	15-059			☐	☐	☐
420.08	421.52	1.44	GRD	1.40	97	R610311	☐	15-059			☐	☐	☐
420.08	421.52	1.44	GRD	1.40	97	R610312	☐	15-059			☐	☑	☐
421.52	423.66	2.14	GRD, GRD	2.14	100	R610313	☐	15-059			☐	☐	☐
423.66	424.54	0.88	GRD	0.74	84	R610314	☐	15-059			☐	☐	☐
424.54	427.24	2.70	GRD	2.52	93	R610315	☐	15-059			☐	☐	☐
427.24	427.60	0.36	GRD	0.36	100	R610316	☐	15-059			☐	☐	☐
427.60	428.85	1.25	GRD	1.19	95	R610317	☐	15-059			☐	☐	☐
428.85	429.69	0.84	GRD	0.84	100	R610318	☐	15-059			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
429.69	430.15	0.46	GRD, BXA	0.43	93	R499363	☐	15-068	High grade		☐	☐	☐
430.15	431.90	1.75	GRD, BXA	1.55	89	R610319	☐	15-059			☐	☐	☐
431.90	432.32	0.42	GRD	0.42	100	R610321	☐	15-059			☐	☐	☐
432.32	432.83	0.51	GRD	0.51	100	R610322	☐	15-059			☐	☐	☐
432.83	433.38	0.55	VEN	0.55	100	R499365	☐	15-068	High grade		☐	☐	☐
433.38	434.95	1.57	VEN, QFP	1.38	88	R610323	☐	15-059			☐	☐	☐
434.95	436.66	1.71	QFP	1.71	100	R610324	☐	15-059			☐	☐	☐
436.66	436.96	0.30	GRD, QFP	0.29	97	R610325	☐	15-059			☐	☐	☐
436.96	437.31	0.35	GRD	0.32	91	R610327	☐	15-059			☐	☐	☐
437.31	437.59	0.28	GRD	0.28	100	R610328	☐	15-059			☐	☐	☐
437.59	438.08	0.49	GRD	0.43	88	R610329	☐	15-059			☐	☐	☐
438.08	438.63	0.55	GRD	0.55	100	R499367	☐	15-068	High grade		☐	☐	☐
438.08	438.63	0.55	GRD	0.55	100	R499368	☐	15-068	High grade		☐	☐	☑
438.63	438.96	0.33	GRD	0.32	97	R610330	☐	15-059			☐	☐	☐
438.96	439.56	0.60	GRD	0.60	100	R499369	☐	15-068	High grade		☐	☐	☐
439.56	439.88	0.32	GRD	0.31	97	R610332	☐	15-059			☐	☐	☐
439.88	440.43	0.55	GRD, GRD	0.52	95	R610333	☐	15-059			☐	☐	☐
440.43	441.30	0.87	GRD	0.85	98	R610334	☐	15-059			☐	☐	☐
441.30	442.67	1.37	GRD	1.37	100	R610335	☐	15-060			☐	☐	☐
442.67	444.00	1.33	GRD	1.30	98	R610336	☐	15-060			☐	☐	☐
442.67	444.00	1.33	GRD	1.30	98	R610337	☐	15-060			☐	☑	☐
444.00	444.41	0.41	GRD	0.40	98	R610338	☐	15-060			☐	☐	☐
444.41	445.41	1.00	GRD	1.00	100	R610339	☐	15-060			☐	☐	☐

Klaza - Klaza Project

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		383092	6889937	1374.6	169.77

ZONE: Eastern Klaza

SECTION: KL 10+500

HOLE: KL-15-261

CLAIM:

Contractor: Platinum

Drill: 2

Core Size: HQ

Casing Depth: 4.35m, Out

Drilling Dates: Jul 09 - Jul 14, 2015

Geology Logged By: D. Walsh

SURVEY			
Depth (m)	Azimuth	Dip	Method
2.13	299.1	1	Reflex
169.77	43.6	-48.8	Reflex

TARGET:

SUMMARY			
From (m)	To (m)	Interval (m)	Rock Type
0	4.35	4.35	CAS
4.35	9.35	5	GRD
9.35	16.31	6.96	GRD
16.31	17.37	1.06	GRD
17.37	25.6	8.23	GRD
25.6	41.51	15.91	GRD
41.51	51.37	9.86	GRD
51.37	51.55	0.18	QFP
51.55	52.32	0.77	BXA
52.32	63.78	11.46	GRD
63.78	81.22	17.44	GRD
81.22	98.89	17.67	GRD
98.89	104.63	5.74	GRD
104.63	108.59	3.96	GRD
108.59	111.74	3.15	GRD
111.74	114.72	2.98	GRD

SAMPLES	
Numbers:	R499351 to R499359, R610613 to R610697
Total:	94
Batch:	052, 054, 057, 068
Certificates:	WH15103718, WH15103722, WH15103723, WH15106938, WH15106945

COMMENTS

114.72	141.81	27.09	GRD
141.81	144.16	2.35	GRD
144.16	153	8.84	GRD
153	155.83	2.83	GRD
155.83	156.26	0.43	GRD
156.26	157.05	0.79	GRD
157.05	160.22	3.17	GRD
160.22	169.77	9.55	GRD

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
4.35	9.35	5.00	GRD	MG	Unaltered granodiorite. Moderate oxidation along fracture surfaces.							
						MD	OR					
						MD	GY		OXI	3I		
9.35	16.31	6.96	GRD	MG	Moderate phyllic altered granodiorite with patchy pervasively oxidized moderate argillic alteration. Moderate oxidation along phyllic fracture surfaces with patchy goethite staining. Argillic patches are less competent and rubbly.							
						MD	GN	RB	PHC	3I		
						MD	OR	PA	OXI	3I		
									ARG	3I		
16.31	17.37	1.06	GRD	MG	Unaltered granodiorite. Moderate oxidation along fracture surfaces.							
						MD	GY		OXI	3I		
						MD	OR					
17.37	25.60	8.23	GRD	MG	Alteration halo with the outer halo (start and end) ~1.5m on both side being moderate argillic alteration with a patchy weak phyllic and moderate to strong potassic overprint. The center of the alteration halo is silicified moderate phyllic alteration hosting multiple quartz/carbonate +/- sulphide veinlets. Moderate to strong oxidation along all fracture surfaces.							
						MD	GN		ARG	3I		
						MD	PK		OXI	3I		
						MD	OR		PRO	3I		
						LT	WH		PHC	3I		
						DK	PK		PHC	2I		
									PRO	4I		
25.60	28.98	3.38	GRD	MG	Trace propyllitic/potassic altered granodiorite. Weak oxidation along fracture surfaces.							
						MD	OR		POT	1I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GY		PRO	1I		
									OXI	2I		
28.98	29.20	0.22	GRD	MG	Moderate phyllic envelope around a banded quartz vein.							
						MD	GN	EN	PHC	3I		
						LT	GN					
29.20	33.86	4.66	GRD	MG	Moderate argillic alteration with a patchy moderate propyllitic and potassic overprint. Also contains a few small patches of moderately propyllitic altered granodiorite.							
						MD	PK		POT	3I		
						LT	WH	PA	ARG	3I		
						DK	GN		PRO	3I		
33.86	41.51	7.65	GRD	MG	Trace propyllitic/potassic altered granodiorite. Weak oxidation along fracture surfaces.							
						MD	GY		PRO	1I		
						MD	OR		POT	1I		
									OXI	2I		
41.51	51.37	9.86	GRD	MG	Start of central klaza zone at surface? Moderate to strongly phyllic altered granodiorite with patchy moderate propyllitic altered granodiorite. Hosts multiple quartz/sulphide vein zone and gouge altered quartz/sulphide vein zones. Pervasive moderate oxidation throughout gouge altered zone and weak oxidation along fracture surfaces.							
						MD	GN		PHC	2I		
						MD	OR		PHC	3I		
						DK	GN		PRO	2I		
									OXI	3I		
51.37	51.55	0.18	QFP	FG	Orange/brown quartz feldspar porphyry dyke.							
						MD	BN					
						MD	OR					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
51.55	52.32	0.77	BXA	--	Pervasively oxidized and gouge altered grey to smoky quartz and white carbonate breccia. Rock textures and mineral are difficult to determine due to oxidation and gouge alteration. Appears to host disseminated to blebby pyrite.							
						MD	GY	BX			Py	2
						MD	OR					
						DK	GY					
52.32	63.78	11.46	GRD	MG	End of Splay zone at surface? Moderate to strongly phyllic altered granodiorite with patchy moderate propyllitic altered granodiorite. Hosts multiple quartz/sulphide veins and disseminated pyrite in patches of stronger phyllic alteration proximal to veining. Weak to moderate oxidation along fracture surfaces.							
						MD	GN		PHC	3I	Py	0.1
						MD	OR		PHC	4I		
						DK	GN		OXI	2I		
									OXI	2I		
									PRO	2I		
63.78	73.61	9.83	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite. Weak to moderate oxidation along fracture surfaces. Small phyllic envelopes surrounding quartz/carbonate veins. Contains small patches of weak argillic alteration.							
						MD	GY		PRO	1I		
						MD	PK		PRO	2I		
						DK	GN		POT	1I		
									POT	2I		
									OXI	2I		
									OXI	3I		
73.61	75.06	1.45	GRD	MG	Weak to moderate phyllic/propyllitic altered granodiorite. Contains large rubbly patches and is moderately oxidized along fractures.							
						MD	GN		PHC	2I		
						LT	GN	RB	PHC	3I		
									PRO	3I		
									PRO	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
75.06	76.64	1.58	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite. Small phyllic envelopes surrounding quartz/carbonate veins. Contains small patches of weak argillic alteration.							
						MD	GY		PRO	1I		
						MD	PK		PRO	2I		
						DK	GN		POT	1I		
									POT	2I		
76.64	79.85	3.21	GRD	MG	Silicified weak to moderate phyllic/propyllitic altered granodiorite. Contains large rubbly patches and is moderately oxidized along fractures. Hosts a large quartz/pyrite vein.							
						MD	GN		PHC	3I		
						LT	GN		PRO	3I		
									SIL	3I		
79.85	81.22	1.37	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite. Weak to moderate oxidation along fracture surfaces. Small phyllic envelopes surrounding quartz/carbonate veins. Contains small patches of weak argillic alteration.							
						MD	GY		PRO	1I		
						MD	PK		PRO	2I		
						DK	GN		POT	1I		
									OXI	3I		
									POT	2I		
									OXI	2I		
81.22	86.00	4.78	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite. Weak oxidation along fracture surfaces. Intensity decreases with depth.							
						MD	PK		POT	1I		
						MD	GY		PRO	1I		
						DK	GN		PRO	2I		
									POT	2I		
									OXI	2I		
86.00	89.21	3.21	GRD	MG	Moderate phyllic and weakly propyllitic altered granodiorite with patchy weakly phyllic/potassic overprinted weak to moderate argillic alteration.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GN		PHC	2I		
						MD	PK		POT	2I		
						LT	GN		PHC	3I		
									ARG	3I		
									ARG	2I		
									PRO	2I		
89.21	98.89	9.68	GRD	MG	Silicified alternating patches of weak potassic/propyllitic alteration and weak phyllic/propyllitic alteration. Hosts multiple carbonate veins, veinlets and stringers.							
						MD	GY	PA	PRO	2I		
						MD	PK					
						LT	GN		PHC	2I		
						DK	GN		POT	2I		
98.89	104.63	5.74	GRD	MG	Moderate phyllic and weak propyllitic altered granodiorite with patchy trace to weak argillic alteration.							
						MD	WH		ARG	2I		
						MD	GN		PHC	3I		
						LT	GN		PRO	2I		
									ARG	1I		
104.63	108.59	3.96	GRD	MG	Silicified moderate to strongly phyllic altered granodiorite hosting an abundance of smoky quartz pyrite veining. Veining abundance increases with depth.							
						MD	GN		PHC	3I		
						LT	GN		SIL	3I		
									PHC	4I		
108.59	111.74	3.15	GRD	FG	Strongly seritized and phyllic altered granodiorite. Hosts disseminated to blebby pyrite and large coarse intergrown blebs(?) of quartz/pyrite.							
						MD	GN					
						LT	GY					
						LT	GN		SER	4I	Py	5
						LT	WH		PHC	4I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
111.74	114.72	2.98	GRD	MG	Silicified moderate to strong phyllic altered granodiorite hosting quartz pyrite veins. Distally transitions to moderate phyllic alteration with patchy moderate argillic alteration with distance from strong sericite alteration.							
						MD	GN		ARG	3I		
						LT	WH					
						LT	GN		PHC	3I		
114.72	131.64	16.92	GRD	MG	Weak propyllitic/potassic altered granodiorite. Fracture have a unusually high abundance of clay infill.							
						MD	PK					
						MD	GY		PRO	2I		
						DK	GN		POT	2I		
133.70	141.81	8.11	GRD	MG	Weak propyllitic/potassic altered granodiorite.							
						MD	GY		PRO	2I		
						MD	PK					
						DK	GN		POT	2I		
141.81	143.46	1.65	GRD	MG	Argillic outer halo of a minor quartz-carbonate vein, with pervasive moderate potassic overprint.							
						MD	PK		POT	3I		
						LT	WH	MO	ARG	3I		
143.46	144.16	0.70	GRD	MG	Phyllic and weak argillic halo around a white quartz-carbonate vein hosting blebby pyrite.							
						LT	GN		PHC	3I	Py	0.1
									ARG	2I		
144.16	149.88	5.72	GRD	MG	Fresh granodiorite. Fractures have significant clay on fractures.							
						MD	GY	FR	CLY	1I		
149.88	150.24	0.36	GRD	MG	A single white-smoky quartz-carbonate vein with narrow phyllic halo and blebby pyrite.							
						LT	GN		PHC	3I	Py	0.1
150.24	151.27	1.03	GRD	MG	Fresh granodiorite.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GY					
151.27	152.97	1.70	GRD	MG	Phyllic halo around a banded quartz-carbonate vein hosting semi-massive pyrite and interstitial chalcopyrite.							
						LT	GN		PHC	3I	Py	5
											Cp	0.5
152.97	153.00	0.03	GRD	MG	Fresh granodiorite.							
						MD	GY					
153.00	155.83	2.83	GRD	MG	Alternating patches of phyllic, argillic, and overprinting potassic alterations. Cut by few white quartz-carbonate veins.							
						LT	GN	PA	PHC	2I	Py	0.1
						LT	PK		POT	2I		
						LT	WH		ARG	3I		
155.83	156.26	0.43	GRD	MG	Fresh granodiorite.							
						MD	GY					
156.26	157.05	0.79	GRD	FG	Strongly seritized and phyllic altered granodiorite. Hosts disseminated to blebby pyrite and large coarse intergrown blebs(?) of quartz/pyrite.							
						MD	GN					
						LT	GN		PHC	4I	Py	5
						LT	WH		SER	4I		
						LT	GY					
157.05	160.22	3.17	GRD	MG	Alternating patches of phyllic, propylitic, argillic, and potassic overprints associated with minor quartz-carbonate-pyrite veins/veinlets. Potassic and propylitic alterations typically overprint argillic.							
						MD	GN	PA	PHC	2I	Py	0.1
						LT	GN	MO	POT	2I		
						LT	WH		ARG	3I		
						LT	PK		PRO	2I		
160.22	160.72	0.50	GRD	MG	Fresh granodiorite.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GY					
160.72	161.06	0.34	GRD	MG	Phyllic halo around a white quartz-carbonate vein hosting blebby pyrite and massive-intergrown honey brown sphalerite and black jack sphalerite.							
						LT	GN		PHC	3I	Py	1
											Sp	3

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
4.35	9.35	5.00	GRD	MG	Unaltered granodiorite. Moderate oxidation along fracture surfaces.							
						MD	GY		OXI	3I		
						MD	OR					
9.35	16.31	6.96	GRD	MG	Moderate phyllic altered granodiorite with patchy pervasively oxidized moderate argillic alteration. Moderate oxidation along phyllic fracture surfaces with patchy goethite staining. Argillic patches are less competent and rubbly.							
									ARG	3I		
						MD	OR	PA	OXI	3I		
						MD	GN	RB	PHC	3I		
16.31	17.37	1.06	GRD	MG	Unaltered granodiorite. Moderate oxidation along fracture surfaces.							
						MD	GY		OXI	3I		
						MD	OR					
17.37	25.60	8.23	GRD	MG	Alteration halo with the outer halo (start and end) ~1.5m on both side being moderate argillic alteration with a patchy weak phyllic and moderate to strong potassic overprint. The center of the alteration halo is silicified moderate phyllic alteration hosting multiple quartz/carbonate +/- sulphide veinlets. Moderate to strong oxidation along all fracture surfaces.							
						MD	GN		ARG	3I		
									PRO	4I		
						MD	OR		PRO	3I		
						DK	PK		PHC	2I		
						LT	WH		PHC	3I		
						MD	PK		OXI	3I		
25.60	41.51	15.91	GRD	MG	Trace propyllitic/potassic altered granodiorite. Patchy argillic alteration throughout. Weak oxidation along fracture surfaces.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GY		PRO	1I		
						LT	WH		POT	1I		
						MD	OR		OXI	2I		
41.51	51.37	9.86	GRD	MG	Start of Splay zone at surface? Moderate to strongly phyllic altered granodiorite with patchy moderate propyllitic altered granodiorite. Hosts multiple quartz/sulphide vein zone and gouge altered quartz/sulphide vein zones. Pervasive moderate oxidation throughout gouge altered zone and weak oxidation along fracture surfaces.							
									PRO	2I		
						MD	GN		PHC	3I		
						MD	OR		PHC	4I		
						DK	GN		OXI	3I		
51.37	51.55	0.18	QFP	FG	Orange/brown quartz feldspar porphyry dyke.							
						MD	OR					
						MD	BN					
51.55	52.32	0.77	BXA	--	Pervasively oxidized and gouge altered grey to smoky quartz and white carbonate breccia. Rock textures and mineral are difficult to determine due to oxidation and gouge alteration. Appears to host disseminated to blebby pyrite.							
						MD	OR					
						DK	GY					
						MD	GY	BX			Py	2
52.32	63.78	11.46	GRD	MG	End of Splay zone at surface? Moderate to strongly phyllic altered granodiorite with patchy moderate propyllitic altered granodiorite. Hosts multiple quartz/sulphide veins and disseminated pyrite in patches of stronger phyllic alteration proximal to veining. Weak to moderate oxidation along fracture surfaces.							
									PRO	2I		
									OXI	2I		
						DK	GN		OXI	2I		
						MD	OR		PHC	4I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GN		PHC	3I	Py	0.1
63.78	81.22	17.44	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite. Weak to moderate oxidation along fracture surfaces. Small phyllic envelopes surrounding quartz/carbonate veins. Contains small patches of weak argillic alteration.							
						DK	GN		POT	1I		
									POT	2I		
						MD	GY		PRO	1I		
									OXI	3I		
									OXI	2I		
						MD	PK		PRO	2I		
81.22	98.89	17.67	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite. Weak oxidation along fracture surfaces. Intensity decreases with depth.							
						MD	PK		POT	1I		
						DK	GN		PRO	2I		
									OXI	2I		
									POT	2I		
						MD	GY		PRO	1I		
98.89	104.63	5.74	GRD	MG	Moderate phyllic and weak propyllitic altered granodiorite with patchy trace to weak argillic alteration.							
						MD	WH		ARG	2I		
						LT	GN		PRO	2I		
						MD	GN		PHC	3I		
									ARG	1I		
104.63	108.59	3.96	GRD	MG	Silicified moderate to strongly phyllic altered granodiorite hosting an abundance of smoky quartz pyrite veining. Veining abundance increases with depth.							
									PHC	4I		
						MD	GN		PHC	3I		
						LT	GN		SIL	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
108.59	111.74	3.15	GRD	FG	Strongly seritized and phyllic altered granodiorite. Hosts disseminated to blebby pyrite and large coarse intergrown blebs(?) of quartz/pyrite.							
						MD	GN					
						LT	WH		PHC	4I		
						LT	GY					
						LT	GN		SER	4I	Py	5
111.74	114.72	2.98	GRD	MG	Silicified moderate to strong phyllic altered granodiorite hosting quartz pyrite veins. Distally transitions to moderate phyllic alteration with patchy moderate argillic alteration with distance from strong sericite alteration.							
						MD	GN		ARG	3I		
						LT	WH					
						LT	GN		PHC	3I		
114.72	141.81	27.09	GRD	MG	Weak propyllitic/potassic altered granodiorite. Fractures have a unusually high abundance of clay infill.							
						MD	GY		PRO	2I		
						DK	GN		POT	2I		
						MD	PK					
141.81	144.16	2.35	GRD	MG	Wide argillic and phyllic halo on a pyrite-bearing white quartz-carbonate vein. Argillic alteration is moderately overprinted by potassic.							
						LT	WH	PA	POT	3I	Py	0.1
						LT	GN	MO	PHC	2I		
						MD	PK		ARG	3I		
144.16	153.00	8.84	GRD	MG	Fresh granodiorite cut by a single white-smoky quartz-carbonate vein with narrow phyllic halo and blebby pyrite. Fractures have significant clay on fractures.							
						MD	GY	FR	CLY	1I	Py	0.1
						LT	GN		PHC	1I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
153.00	155.83	2.83	GRD	MG	Alternating patches of phyllic, argillic, and overprinting potassic alterations. Cut by few white quartz-carbonate veins.							
						LT	GN	PA	PHC	2I	Py	0.1
						LT	WH		ARG	3I		
						LT	PK		POT	2I		
155.83	156.26	0.43	GRD	MG	Fresh granodiorite cut by a single wide quartz-carbonate vein hosting pyrite and chalcopyrite.							
						MD	GY		PHC	1I	Py	0.1
											Cp	0.1
156.26	157.05	0.79	GRD	FG	Strongly seritized and phyllic altered granodiorite. Hosts disseminated to blebby pyrite and large coarse intergrown blebs(?) of quartz/pyrite.							
						LT	GN		PHC	4I	Py	5
						LT	WH		SER	4I		
						LT	GY					
						MD	GN					
157.05	160.22	3.17	GRD	MG	Alternating patches of phyllic, propylitic, argillic, and potassic overprints associated with minor quartz-carbonate-pyrite veins/veinlets. Potassic and propylitic alterations typically overprint argillic.							
						MD	GN	PA	PHC	2I	Py	0.1
						LT	GN	MO	POT	2I		
						LT	WH		ARG	3I		
						LT	PK		PRO	2I		
160.22	169.77	9.55	GRD	MG	Fresh granodiorite cut by a single mineralized quartz vein. EOH							
						MD	GY		PHC	1I	Py	0.5
											Sp	2

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
0.00	4.35	4.35	0	0	0.00	0	--	--	--	Casing/overburden. No recovery.
4.35	5.18	0.83	0.83	100	0.55	66	--	4H	2W	
5.18	8.23	3.05	3.05	100	1.62	53	--	4H	2W	
8.23	11.28	3.05	3.05	100	1.70	56	--	3H	2W	
11.28	14.33	3.05	2.41	79	0.65	21	--	3H	2W	
14.33	17.37	3.04	3.04	100	2.29	75	--	3H	2W	
17.37	20.42	3.05	3.03	99	1.86	61	--	3H	2W	
20.42	23.47	3.05	3.03	99	0.87	29	--	4H	2W	
23.47	26.52	3.05	3.05	100	2.39	78	--	3H	2W	
26.52	29.57	3.05	3.02	99	2.37	78	--	3H	2W	
29.57	32.61	3.04	3.04	100	1.84	61	--	3H	2W	
32.61	35.66	3.05	3.05	100	2.28	75	--	3H	2W	
35.66	38.71	3.05	3.05	100	2.30	75	--	4H	2W	
38.71	41.76	3.05	3.01	99	2.24	73	--	4H	2W	
41.76	44.81	3.05	3.01	99	1.29	42	--	3H	2W	
44.81	47.85	3.04	3.04	100	1.69	56	--	3H	1W	
47.85	50.90	3.05	3.04	100	2.37	78	--	3H	1W	
50.90	53.95	3.05	3.04	100	0.92	30	--	3H	2W	
53.95	57.00	3.05	3.05	100	2.71	89	--	3H	1W	
57.00	60.05	3.05	3.05	100	2.44	80	--	3H	1W	
60.05	63.09	3.04	3.04	100	2.31	76	--	3H	1W	
63.09	66.14	3.05	3.03	99	2.24	73	--	3H	1W	
66.14	69.19	3.05	2.98	98	1.63	53	--	3H	1W	
69.19	72.24	3.05	3.05	100	1.46	48	--	3H	1W	
72.24	75.29	3.05	3	98	1.04	34	--	3H	1W	
75.29	78.33	3.04	3.04	100	2.29	75	--	3H	1W	
78.33	81.38	3.05	2.97	97	1.63	53	--	3H	1W	
81.38	84.43	3.05	3.04	100	2.50	82	--	4H	1W	
84.43	87.48	3.05	3.05	100	1.94	64	--	4H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
87.48	90.53	3.05	3.02	99	2.82	92	--	3H	1W	
90.53	93.57	3.04	3.04	100	2.94	97	--	4H	1W	
93.57	96.62	3.05	3.05	100	2.41	79	--	3H	1W	
96.62	99.67	3.05	3.01	99	2.75	90	--	4H	1W	
99.67	102.72	3.05	3.05	100	2.38	78	--	3H	1W	
102.72	105.77	3.05	3.05	100	2.00	66	--	3H	1W	
105.77	108.81	3.04	3.04	100	2.66	88	--	3H	1W	
108.81	111.86	3.05	3.04	100	2.69	88	--	3H	1W	
111.86	114.91	3.05	3.02	99	1.47	48	--	3H	1W	
114.91	117.96	3.05	3.05	100	1.85	61	--	4H	1W	
117.96	121.01	3.05	3.05	100	1.53	50	--	4H	1W	
121.01	124.05	3.04	3.04	100	1.81	60	--	4H	1W	
124.05	127.10	3.05	3.01	99	1.95	64	--	4H	1W	
127.10	130.15	3.05	3	98	1.98	65	--	4H	1W	Altered rubble from 128.17-128.38
130.15	133.20	3.05	3.05	100	2.56	84	--	4H	1W	
133.20	136.25	3.05	2.98	98	2.64	87	--	4H	1W	
136.25	139.29	3.04	3.04	100	1.17	38	--	4H	1W	Altered rubble from 137.26-137.66m
139.29	142.34	3.05	3.05	100	1.40	46	--	4H	1W	
142.34	145.39	3.05	3.05	100	2.64	87	--	3H	1W	
145.39	148.44	3.05	3.05	100	0.61	20	--	4H	1W	
148.44	151.49	3.05	3.05	100	1.57	51	--	4H	1W	
151.49	154.53	3.04	3.04	100	2.35	77	--	3H	1W	
154.53	157.58	3.05	3.05	100	2.51	82	--	4H	1W	
157.58	160.63	3.05	3.03	99	2.42	79	--	4H	1W	
160.63	163.68	3.05	3.05	100	2.52	83	--	4H	1W	
163.68	166.73	3.05	3.03	99	1.70	56	--	4H	1W	
166.73	169.77	3.04	3.04	100	2.36	78	--	4H	1W	

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
0.00	0.00	0.00	-QC-	0.00	0	R610695	☐	15-057			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R610619	☐	15-052		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R610626	☐	15-052			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R610634	☐	15-054		KL-STD6	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R610638	☐	15-054			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R610649	☐	15-054			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R610657	☐	15-054		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R610681	☐	15-057		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R610685	☐	15-057		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R610690	☐	15-057			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R499353	☐	15-068	High grade	KL-STD6	☐	☐	☐
8.88	10.78	1.90	GRD	1.62	85	R610613	☐	15-052			☐	☐	☐
10.78	11.40	0.62	GRD	0.51	82	R610614	☐	15-052			☐	☐	☐
11.40	11.82	0.42	GRD	0.40	95	R610615	☐	15-052			☐	☐	☐
11.40	11.82	0.42	GRD	0.40	95	R610616	☐	15-052			☐	☐	☑
11.82	13.55	1.73	GRD	0.74	43	R610617	☐	15-052			☐	☐	☐
13.55	14.90	1.35	GRD	1.35	100	R610618	☐	15-052			☐	☐	☐
14.90	16.08	1.18	GRD	1.17	99	R610620	☐	15-052			☐	☐	☐
16.08	17.37	1.29	GRD	1.23	95	R610621	☐	15-052			☐	☐	☐
17.37	18.41	1.04	GRD, GRD	1.04	100	R610622	☐	15-052			☐	☐	☐
18.41	18.97	0.56	GRD	0.39	70	R610623	☐	15-052			☐	☐	☐
18.97	19.99	1.02	GRD	1.02	100	R610624	☐	15-052			☐	☐	☐
19.99	20.57	0.58	GRD	0.57	98	R610625	☐	15-052			☐	☐	☐
20.57	21.87	1.30	GRD	1.11	85	R610627	☐	15-052			☐	☐	☐
21.87	23.28	1.41	GRD	1.23	87	R610628	☐	15-052			☐	☐	☐
23.28	25.41	2.13	GRD	2.06	97	R610629	☐	15-054			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
25.41	28.40	2.99	GRD	2.78	93	R610630	☐	15-054			☐	☐	☐
28.40	29.19	0.79	GRD	0.76	96	R610631	☐	15-054			☐	☐	☐
29.19	31.10	1.91	GRD	1.79	94	R610632	☐	15-054			☐	☐	☐
41.00	41.56	0.56	GRD	0.56	100	R610633	☐	15-054			☐	☐	☐
41.56	42.30	0.74	GRD	0.71	96	R610635	☐	15-054			☐	☐	☐
42.30	43.11	0.81	GRD	0.81	100	R610636	☐	15-054			☐	☐	☐
43.11	43.72	0.61	GRD	0.58	95	R610637	☐	15-054			☐	☐	☐
43.72	44.64	0.92	GRD	0.75	82	R610639	☐	15-054			☐	☐	☐
44.64	45.30	0.66	GRD	0.59	89	R610640	☐	15-054			☐	☐	☐
45.30	46.80	1.50	GRD	1.32	88	R610641	☐	15-054			☐	☐	☐
46.80	47.85	1.05	GRD	1.02	97	R610642	☐	15-054			☐	☐	☐
46.80	47.85	1.05	GRD	1.02	97	R610643	☐	15-054			☐	☐	☑
47.85	48.96	1.11	GRD	1.04	94	R610644	☐	15-054			☐	☐	☐
48.96	49.26	0.30	GRD	0.30	100	R610645	☐	15-054			☐	☐	☐
49.26	50.00	0.74	GRD	0.68	92	R610646	☐	15-054			☐	☐	☐
50.00	51.21	1.21	GRD	1.17	97	R610647	☐	15-054			☐	☐	☐
51.21	51.51	0.30	GRD	0.27	90	R610648	☐	15-054			☐	☐	☐
51.51	52.32	0.81	QFP	0.80	99	R499351	☐	15-068	High grade		☐	☐	☐
52.32	52.92	0.60	BXA, GRD	0.58	97	R610650	☐	15-054			☐	☐	☐
52.92	54.55	1.63	GRD	1.56	96	R610651	☐	15-054			☐	☐	☐
54.55	55.17	0.62	GRD	0.62	100	R610652	☐	15-054			☐	☐	☐
55.17	57.00	1.83	GRD	1.83	100	R610653	☐	15-054			☐	☐	☐
55.17	57.00	1.83	GRD	1.83	100	R610654	☐	15-054			☐	☑	☐
57.00	58.37	1.37	GRD	1.37	100	R610655	☐	15-054			☐	☐	☐
58.37	59.99	1.62	GRD	1.59	98	R610656	☐	15-054			☐	☐	☐
59.99	60.29	0.30	GRD	0.30	100	R610658	☐	15-054			☐	☐	☐
60.29	61.96	1.67	GRD	1.67	100	R610659	☐	15-054			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
61.96	63.90	1.94	GRD	1.94	100	R610660	☐	15-054			☐	☐	☐
78.00	78.50	0.50	GRD	0.50	100	R610661	☐	15-054			☐	☐	☐
78.50	78.97	0.47	GRD	0.45	96	R610662	☐	15-054			☐	☐	☐
78.97	79.57	0.60	GRD	0.56	93	R610663	☐	15-054			☐	☐	☐
79.57	80.07	0.50	GRD	0.50	100	R610664	☐	15-054			☐	☐	☐
98.87	99.82	0.95	GRD	0.95	100	R610678	☐	15-057			☐	☐	☐
99.82	100.79	0.97	GRD	0.97	100	R610679	☐	15-057			☐	☐	☐
100.79	103.07	2.28	GRD	2.17	95	R610680	☐	15-057			☐	☐	☐
103.07	104.47	1.40	GRD	1.34	96	R610682	☐	15-057			☐	☐	☐
104.47	105.77	1.30	GRD	1.28	98	R610683	☐	15-057			☐	☐	☐
105.77	106.57	0.80	GRD	0.79	99	R610684	☐	15-057			☐	☐	☐
106.57	107.54	0.97	GRD	0.96	99	R610686	☐	15-057			☐	☐	☐
107.54	108.01	0.47	GRD	0.47	100	R610687	☐	15-057			☐	☐	☐
108.01	108.81	0.80	GRD	0.76	95	R610688	☐	15-057			☐	☐	☐
108.81	109.42	0.61	GRD	0.61	100	R610689	☐	15-057			☐	☐	☐
109.42	109.89	0.47	GRD	0.47	100	R499356	☐	15-068	High grade		☐	☐	☐
109.89	110.22	0.33	GRD	0.33	100	R499357	☐	15-068	High grade		☐	☐	☐
110.22	110.85	0.63	GRD	0.62	98	R499358	☐	15-068	High grade		☐	☐	☐
110.85	111.50	0.65	GRD	0.65	100	R499359	☐	15-068	High grade		☐	☐	☐
111.50	111.86	0.36	GRD	0.34	94	R610691	☐	15-057			☐	☐	☐
111.86	112.29	0.43	GRD	0.39	91	R610692	☐	15-057			☐	☐	☐
112.29	113.16	0.87	GRD	0.78	90	R610693	☐	15-057			☐	☐	☐
113.16	113.46	0.30	GRD	0.30	100	R610694	☐	15-057			☐	☐	☐
113.46	114.55	1.09	GRD	0.94	86	R610696	☐	15-057			☐	☐	☐
114.55	115.10	0.55	GRD	0.54	98	R610697	☐	15-057			☐	☐	☐
148.95	149.88	0.93	GRD	0.80	86	R610665	☐	15-057			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
149.88	150.18	0.30	GRD	0.30	100	R610666	☐	15-057			☐	☐	☐
150.18	151.41	1.23	GRD	1.15	93	R610667	☐	15-057			☐	☐	☐
151.41	151.73	0.32	GRD	0.32	100	R499352	☐	15-068	High grade		☐	☐	☐
151.73	152.30	0.57	GRD	0.57	100	R610668	☐	15-057			☐	☐	☐
152.30	153.38	1.08	GRD	1.04	96	R610669	☐	15-057			☐	☐	☐
152.30	153.38	1.08	GRD	1.04	96	R610670	☐	15-057			☐	☑	☐
153.38	155.83	2.45	GRD	2.41	98	R610671	☐	15-057			☐	☐	☐
155.83	156.37	0.54	GRD, GRD	0.54	100	R610672	☐	15-057			☐	☐	☐
156.37	157.05	0.68	GRD	0.65	96	R499354	☐	15-068	High grade		☐	☐	☐
157.05	157.58	0.53	GRD, GRD	0.53	100	R610673	☐	15-057			☐	☐	☐
157.58	160.22	2.64	GRD	2.56	97	R610674	☐	15-057			☐	☐	☐
157.58	160.22	2.64	GRD	2.56	97	R610675	☐	15-057			☐	☐	☑
160.22	160.75	0.53	GRD, GRD	0.53	100	R610676	☐	15-057			☐	☐	☐
160.75	161.06	0.31	GRD	0.30	97	R499355	☐	15-068	High grade		☐	☐	☐
161.06	162.06	1.00	GRD	0.95	95	R610677	☐	15-057			☐	☐	☐

Klaza - Klaza Project

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		383044	6889971	1375.11	206.65

ZONE: Eastern Klaza

SECTION: KL 10+450

HOLE: KL-15-262

CLAIM:

Contractor: Platinum

Drill: 2

Core Size: HQ

Casing Depth: 3.05m, Out

Drilling Dates: Jul 11 - Jul 14, 2015

Geology Logged By: D. Walsh

SURVEY			
Depth (m)	Azimuth	Dip	Method
8.53	30.6	-49.5	Reflex
206.65	32.9	-48.6	Reflex

TARGET:

SUMMARY			
From (m)	To (m)	Interval (m)	Rock Type
0	2.34	2.34	CAS
2.34	5.18	2.84	GRD
5.18	7.82	2.64	GRD
7.82	8.34	0.52	QFP
8.34	11.87	3.53	GRD
11.87	23.84	11.97	GRD
23.84	26.68	2.84	GRD
26.68	43.5	16.82	GRD
43.5	66.32	22.82	GRD
66.32	72.78	6.46	GRD
72.78	77.73	4.95	GRD
77.73	83.63	5.9	GRD
83.63	90.4	6.77	GRD
90.4	107.55	17.15	GRD
107.55	109.73	2.18	GRD
109.73	119.88	10.15	GRD

SAMPLES	
Numbers:	M675001 to M675060, R499361, R499370 to R499371, R610698 to R610750
Total:	116
Batch:	057, 058, 061, 062, 063, 068
Certificates:	WH15103723, WH15105477, WH15105491, WH15105497, WH15105501, WH15106938, WH15106945, WH15116348

COMMENTS

119.88	124.97	5.09	GRD
124.97	131.73	6.76	GRD
131.73	144.66	12.93	GRD
144.66	147.15	2.49	GRD
147.15	188.75	41.6	GRD
188.75	189.7	0.95	GRD
189.7	200.47	10.77	QFP
200.47	200.83	0.36	GRD
200.83	206.65	5.82	GRD

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
2.34	5.18	2.84	GRD	MG	Primarily unaltered granodiorite. Weak to moderate oxidation along fracture surfaces.							
						MD	OR		OXI	3I		
						MD	GY		OXI	2I		
5.18	7.82	2.64	GRD	MG	Pervasively oxidized moderate phyllic altered granodiorite with patchy weak argillic alteration.							
						MD	GN		PHC	3I		
						MD	OR		OXI	3I		
									ARG	2I		
7.82	8.34	0.52	QFP	MG	Oxidized orange/tan quartz feldspar porphyry dyke.							
						MD	TN		OXI	3I		
						MD	OR					
8.34	11.87	3.53	GRD	MG	Patchy pervasively oxidized moderate phyllic altered granodiorite with patchy weak argillic alteration.							
						MD	GN		PHC	3I		
						MD	OR		OXI	3I		
11.87	13.91	2.04	GRD	MG	Unaltered granodiorite with moderate oxidation along fracture surfaces.							
						MD	OR					
						MD	GY		OXI	3I		
13.91	18.10	4.19	GRD	MG	Consecutive weak to moderate phyllic/propyllitic envelopes separated by small patches of unaltered granodiorite. Patchy pervasive moderate oxidation and oxidation along fracture surfaces.							
						MD	GN	EN	PHC	3I		
						MD	GY		PRO	3I		
						MD	OR		PRO	2I		
									PHC	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
18.10	21.67	3.57	GRD	MG	Unaltered granodiorite with moderate oxidation along fracture surfaces.							
						MD	GY		OXI	3I		
						MD	OR					
21.67	22.88	1.21	GRD	MG	Silicified moderate phyllic envelope surrounding a quartz/pyrite vein. Moderate oxidation along fracture surfaces.							
						MD	GN	EN	PHC	3I		
						MD	OR		SIL	3I		
									OXI	3I		
22.88	23.84	0.96	GRD	MG	Unaltered granodiorite with moderate oxidation along fracture surfaces.							
						MD	GY		OXI	3I		
						MD	OR					
23.84	26.68	2.84	GRD	MG	Silicified moderate phyllic altered granodiorite with patchy weak propyllitic alteration. Lower third of interval hosts two polymetallic quartz/sulphide veins. Moderate oxidation along fracture surfaces.							
						MD	GN		PHC	3I		
						MD	OR		PRO	2I		
									SIL	3I		
26.68	31.28	4.60	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite. Weak to moderate oxidation along fracture surfaces. Small phyllic envelopes surrounding quartz/carbonate veining.							
						MD	GY		PRO	1I		
						MD	OR		PRO	2I		
						MD	PK		POT	2I		
						DK	GN		POT	1I		
									OXI	2I		
									OXI	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
31.28	32.91	1.63	GRD	MG	Weak to moderate phyllic altered granodiorite with sporadic patches of traces potassic/argillic alteration. Hosts a quartz/pyrite/carbonate/tourmaline vein.							
						MD	GN		PHC	2I		
						LT	GN		PHC	3I		
						DK	GN		ARG	1I		
									POT	1I		
32.91	40.00	7.09	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite. Weak to moderate oxidation along fracture surfaces. Small phyllic envelopes surrounding quartz/carbonate veining.							
						MD	OR		PRO	2I		
						MD	PK		POT	2I		
						MD	GY		PRO	1I		
						DK	GN		POT	1I		
									OXI	2I		
									OXI	3I		
40.00	41.87	1.87	GRD	MG	Silicified moderate phyllic altered granodiorite. Hosts multiple quartz sulphide veins.							
						MD	GN		PHC	3I		
									SIL	3I		
41.87	42.39	0.52	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite. Weak to moderate oxidation along fracture surfaces. Small phyllic envelopes surrounding quartz/carbonate veining.							
						MD	PK		POT	2I		
						MD	GY		PRO	1I		
						MD	OR		PRO	2I		
						DK	GN		POT	1I		
									OXI	2I		
									OXI	3I		
42.39	43.50	1.11	GRD	MG	Weakly argillic/potassic/phyllic altered granodiorite.							
						MD	PK		PHC	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	WH		POT	2I		
						LT	GN		ARG	2I		
43.50	48.39	4.89	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite. Small phyllic envelopes surrounding quartz/carbonate veining.							
						MD	GY		PRO	1I		
						MD	PK		PRO	2I		
						DK	GN		POT	1I		
									POT	2I		
48.39	52.47	4.08	GRD	MG	Silicified moderate phyllic altered granodiorite with patchy trace to weak argillic alteration. Hosts multiple quartz/carbonate/sulphide veins.							
						MD	GN		PHC	3I		
						LT	GN		SID	3I		
									ARG	2I		
									ARG	1I		
52.47	62.56	10.09	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite. Small phyllic envelopes surrounding quartz/carbonate veining.							
						MD	GY		PRO	1I		
						MD	PK		PRO	2I		
						DK	GN		POT	1I		
									POT	2I		
62.56	63.19	0.63	GRD	MG	Moderate phyllic envelope around two quartz/carbonate/sulphide veins.							
								EN				
63.19	66.32	3.13	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite. Small phyllic envelopes surrounding quartz/carbonate veining.							
						MD	GY		PRO	1I		
						MD	PK		PRO	2I		
						DK	GN		POT	1I		
									POT	2I		
66.32	72.78	6.46	GRD	MG	Silicified moderate phyllic altered granodiorite. Hosts mutliple quartz/carbonate/sulphide veins and two gouge zones.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GN		SIL	3I		
						LT	GN		PHC	3I		
72.78	77.73	4.95	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite.							
						MD	GY		PRO	1I		
						MD	PK		POT	1I		
						DK	GN		PRO	2I		
									POT	2I		
77.73	83.63	5.90	GRD	MG	Weak to moderate phyllic alerted granodiorite. Hosts multiple gouge zones and areas of partial gouge alteration.							
						MD	GN		PHC	3I		
						LT	GN		PHC	2I		
83.63	90.40	6.77	GRD	MG	Alternating patches of potassic overprinted argillic alteration, phyllic overprinted argillic alteration and weak potassic/propyllitic alteration.							
						MD	PK		POT	3I		
						LT	WH	PA	ARG	3I		
						LT	GN		PRO	2I		
						DK	GN		PRO	3I		
									PHC	2I		
									POT	2I		
90.40	103.70	13.30	GRD	MG	Moderate phyllic altered granodiorite with patchy weak propyllitic alteration. Weak alteration along fracture surfaces. Patchy gouge oxidation pf phyllic altered granodiorite. Hosts multiple quartz/carbonate/sulphide veins.							
						MD	GN		OXI	2I		
						MD	OR					
						LT	GN	PA	PHC	3I		
						DK	GN		PRO	2I		
103.70	104.69	0.99	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite.							
						MD	GY					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	PK					
						DK	GN					
107.55	109.73	2.18	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite.							
						MD	PK		POT	2I		
						MD	GY		PRO	2I		
						DK	GN		PRO	1I		
									POT	1I		
109.73	117.50	7.77	GRD	MG	Weak to moderate phyllic altered granodiorite with patchy trace argillic alteration. Sporadic quartz/carbonate veining.							
						MD	GN		PHC	3I		
						LT	GN		PHC	2I		
						LT	WH		ARG	1I		
117.50	118.67	1.17	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite.							
						MD	GY		PRO	2I		
						MD	PK		POT	1I		
						DK	GN		PRO	1I		
									POT	2I		
118.67	119.88	1.21	GRD	MG	Weak to moderate phyllic altered granodiorite with patchy trace argillic alteration. Sporadic quartz/carbonate veining.							
						MD	GN		PHC	3I		
						LT	GN		PHC	2I		
						LT	WH		ARG	1I		
119.88	121.59	1.71	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite							
						MD	PK		POT	1I		
						MD	GY		PRO	1I		
						DK	GN		PRO	2I		
									POT	2I		
121.59	122.12	0.53	GRD	MG	Moderate phyllic envelope surrounding a quartz/carbonate/pyrite vein.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GN	EN	PHC	3I		
122.12	124.97	2.85	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite.							
						MD	GY		PRO	1I		
						MD	PK		POT	1I		
						DK	GN		PRO	2I		
									POT	2I		
124.97	125.94	0.97	GRD	MG	Moderate to strong potassic overprinted moderate argillic alteration with phyllic envelopes around quartz/carbonate veining.							
						MD	GN		POT	4I		
						MD	PK		POT	3I		
						LT	WH		ARG	3I		
									PHC	3I		
125.94	127.00	1.06	GRD	MG	Silicified moderate phyllic and weak propyllitic altered granodiorite. Hosts multiple quartz/carbonate/sulphide veins.							
						MD	GN		PHC	3I		
						LT	GN	EN	SIL	3I		
									PRO	2I		
127.00	130.92	3.92	GRD	MG	Moderate to strong potassic overprinted moderate argillic alteration with phyllic envelopes around quartz/carbonate veining.							
						MD	PK		POT	3I		
						MD	GN		POT	4I		
						LT	WH		ARG	3I		
									PHC	3I		
130.92	131.73	0.81	GRD	MG	Moderate propyllitic/potassic envelope surrounding quartz/carbonate/sulphide veining.							
						MD	GN		PRO	3I		
						LT	GN	EN	PHC	3I		
						DK	GN					
131.73	144.66	12.93	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	PK		POT	1I		
						MD	GY		PRO	1I		
						DK	GN		PRO	2I		
									POT	2I		
144.66	147.15	2.49	GRD	MG	Silicified moderate to strongly phyllic altered granodiorite with patchy moderate propyllitic alteration. Hosts a large polymetallic quartz/sulphide vein and few small quartz/carbonate/sulphide veins.							
						MD	GN		PHC	3I		
						LT	GN		PHC	4I		
						DK	GN		SID	3I		
									PRO	3I		
147.15	153.03	5.88	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite with small rubbly patches of weak argillic alteration.							
						MD	PK		POT	2I		
						MD	GY		PRO	2I		
						DK	GN		PRO	1I		
									POT	1I		
153.03	154.00	0.97	GRD	MG	Silicified moderate phyllic envelope surrounding a quartz/carbonate/sulphide vein.							
						MD	GN	EN	PHC	3I		
						LT	GN		SIL	3I		
154.00	154.93	0.93	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite with phyllic envelopes occurring around minor quartz/carbonate veining.							
						MD	GY		PRO	2I		
						MD	PK		POT	2I		
						DK	GN		PRO	1I		
									POT	1I		
154.93	156.72	1.79	GRD	MG	Silicified moderate phyllic altered granodiorite hosting multiple quartz/carbonate veins.							
						MD	GN		SIL	3I		
						LT	GN		PHC	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
156.72	160.00	3.28	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite.							
						MD	PK		POT	2I		
						MD	GY		PRO	2I		
						DK	GN		PRO	1I		
									POT	1I		
160.00	160.59	0.59	GRD	MG	Moderate to strong phyllic envelope surrounding polymetallic quartz/carbonate veins and veinlets.							
						MD	GN	EN	PHC	3I		
						LT	GN		PHC	4I		
160.59	165.42	4.83	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite with occasional phyllic envelopes occurring around quartz/carbonate veining.							
						MD	GY		PRO	2I		
						MD	PK		POT	2I		
						DK	GN		PRO	1I		
									POT	1I		
165.42	167.92	2.50	GRD	MG	Moderate phyllic/propyllitic altered granodiorite hosting multiple quartz/carbonate veins.							
						MD	GN		PHC	3I		
						LT	GN		PRO	3I		
						DK	GN					
167.92	175.17	7.25	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite with small rubbly patches of weak argillic alteration and phyllic envelopes occuring around quartz/carbonate veining.							
						MD	GY		PRO	2I		
						MD	PK		POT	2I		
						DK	GN		PRO	1I		
									POT	1I		
175.17	176.00	0.83	GRD	MG	Moderate phyllic and weak propyllitic alteration envelope. Hosts a large polymetallic quartz vein.							
						MD	GN		PHC	3I		
						LT	GN		PRO	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
176.00	188.75	12.75	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite with small rubbly patches of weak argillic alteration and phyllic envelopes occuring around quartz/carbonate veining.							
						MD	GY		PRO	2I		
						MD	PK		POT	2I		
						DK	GN		PRO	1I		
									POT	1I		
188.75	189.70	0.95	GRD	MG	Silicified strong phyllic altered granodiorite hosting disseminated pyrite. Locate before the upper contact with quartz feldspar porphyry dyke.							
						LT	GN		PHC	4I	Py	2
						LT	WH		SIL	3I		
189.70	198.35	8.65	QFP	FG	Light grey/green quartz feldspar porphyry dyke.							
						LT	GY					
						LT	GN					
198.35	198.52	0.17	GRD	MG	Partially gouge altered silicified phyllic altered granodiorite hosting a smoky quartz/pyrite breccia.							
						MD	GY					
						MD	GN					
198.52	200.47	1.95	QFP	FG	Light grey/green quartz feldspar porphyry dyke.							
						LT	GY					
						LT	GN					
200.47	200.83	0.36	GRD	MG	Silicified moderate to strong phyllic altered granodiorite hosting two polymetallic quartz veins.							
						MD	GN		PHC	4I		
						LT	GN		PHC	3I		
									SIL	3I		
200.83	206.65	5.82	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite. Small phyllic envelopes around quartz/carbonate veining.							
						MD	GY		PRO	2I		
						MD	PK		POT	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						DK	GN		PRO	1I		
									POT	1I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
2.34	5.18	2.84	GRD	MG	Primarily unaltered granodiorite. Weak to moderate oxidation along fracture surfaces.							
						MD	OR		OXI	3I		
						MD	GY		OXI	2I		
5.18	7.82	2.64	GRD	MG	Pervasively oxidized moderate phyllic altered granodiorite with patchy weak argillic alteration.							
									ARG	2I		
						MD	OR		OXI	3I		
						MD	GN		PHC	3I		
7.82	8.34	0.52	QFP	MG	Oxidized orange/tan quartz feldspar porphyry dyke.							
						MD	TN		OXI	3I		
						MD	OR					
8.34	11.87	3.53	GRD	MG	Patchy pervasively oxidized moderate phyllic altered granodiorite with patchy weak argillic alteration.							
						MD	GN		PHC	3I		
						MD	OR		OXI	3I		
11.87	23.84	11.97	GRD	MG	Unaltered granodiorite with moderate oxidation along fracture surfaces.							
						MD	GY		OXI	3I		
						MD	OR					
23.84	26.68	2.84	GRD	MG	Central klaza zone? Silicified moderate phyllic altered granodiorite with patchy weak propyllitic alteration. Lower third of interval hosts two polymetallic quartz/sulphide veins. Moderate oxidation along fracture surfaces.							
						MD	GN		PHC	3I		
						MD	OR		PRO	2I		
									SIL	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
26.68	43.50	16.82	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite. Weak to moderate oxidation along fracture surfaces. Small phyllic envelopes surrounding quartz/carbonate veining.							
						MD	PK		POT	2I		
						DK	GN		POT	1I		
									OXI	3I		
									OXI	2I		
						MD	GY		PRO	1I		
						MD	OR		PRO	2I		
43.50	66.32	22.82	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite.							
									POT	2I		
						MD	GY		PRO	1I		
						MD	PK		PRO	2I		
						DK	GN		POT	1I		
66.32	72.78	6.46	GRD	MG	Silicified moderate phyllic altered granodiorite. Hosts mutliple quartz/carbonate/sulphide veins and two gouge zones.							
						LT	GN		PHC	3I		
						MD	GN		SIL	3I		
72.78	77.73	4.95	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite.							
									POT	2I		
						MD	PK		POT	1I		
						MD	GY		PRO	1I		
						DK	GN		PRO	2I		
77.73	83.63	5.90	GRD	MG	Weak to moderate phyllic alerted granodiorite. Hosts multiple gouge zones and areas of partial gouge alteration.							
						MD	GN		PHC	3I		
						LT	GN		PHC	2I		
83.63	90.40	6.77	GRD	MG	Alternating patches of potassic overprinted argillic alteration, phyllic overprinted argillic alteration and weak potassic/propyllitic alteration.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	WH	PA	ARG	3I		
						MD	PK		POT	3I		
									PHC	2I		
									POT	2I		
						LT	GN		PRO	2I		
						DK	GN		PRO	3I		
90.40	107.55	17.15	GRD	MG	Moderate phyllic altered granodiorite with patchy weak propyllitic alteration. Weak alteration along fracture surfaces. Patchy gouge oxidation pf phyllic altered granodiorite. Hosts multiple quartz/carbonate/sulphide veins.							
						MD	GN		OXI	2I		
						MD	OR					
						LT	GN	PA	PHC	3I		
						DK	GN		PRO	2I		
107.55	109.73	2.18	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite.							
						MD	GY		PRO	2I		
						DK	GN		PRO	1I		
						MD	PK		POT	2I		
									POT	1I		
109.73	119.88	10.15	GRD	MG	Weak to moderate phyllic altered granodiorite with patchy trace argillic alteration. Sporadic quartz/carbonate veining.							
						LT	WH		ARG	1I		
						MD	GN		PHC	3I		
						LT	GN		PHC	2I		
119.88	124.97	5.09	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite							
									POT	2I		
						MD	PK		POT	1I		
						MD	GY		PRO	1I		
						DK	GN		PRO	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
124.97	131.73	6.76	GRD	MG	Moderate to strong potassic overprinted moderate argillic alteration with phyllic envelopes around quartz/carbonate veining.							
						LT	WH		ARG	3I		
						MD	PK		POT	3I		
						MD	GN		POT	4I		
									PHC	3I		
131.73	144.66	12.93	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite.							
						MD	GY		PRO	1I		
						DK	GN		PRO	2I		
						MD	PK		POT	1I		
									POT	2I		
144.66	147.15	2.49	GRD	MG	Silicified moderate to strongly phyllic altered granodiorite with patchy moderate propyllitic alteration. Hosts a large polymetallic quartz/sulphide vein and few small quartz/carbonate/sulphide veins.							
						MD	GN		PHC	3I		
						LT	GN		PHC	4I		
						DK	GN		SID	3I		
									PRO	3I		
147.15	188.75	41.60	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite with small rubbly patches of weak argillic alteration and phyllic envelopes occuring around quartz/carbonate veining.							
						MD	GY		PRO	2I		
						DK	GN		PRO	1I		
									POT	1I		
						MD	PK		POT	2I		
188.75	189.70	0.95	GRD	MG	Silicified strong phyllic altered granodiorite hosting disseminated pyrite. Locate before the upper contact with quartz feldspar porphyry dyke.							
						LT	WH		SIL	3I		
						LT	GN		PHC	4I	Py	2

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
189.70	200.47	10.77	QFP	FG	Light grey/green quartz feldspar porphyry dyke.							
						LT	GN					
						LT	GY					
200.47	200.83	0.36	GRD	MG	Silicified moderate to strong phyllic altered granodiorite hosting two polymetallic quartz veins.							
									SIL	3I		
						MD	GN		PHC	4I		
						LT	GN		PHC	3I		
200.83	206.65	5.82	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite. Small phyllic envelopes around quartz/carbonate veining.							
						MD	GY		PRO	2I		
						DK	GN		PRO	1I		
						MD	PK		POT	2I		
									POT	1I		

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
0.00	2.34	2.34	0	0	0.00	0	--	--	--	casing
2.34	3.96	1.62	1.21	75	0.67	41	--	4H	1W	
3.96	5.18	1.22	1.22	100	0.97	80	--	4H	1W	
5.18	8.23	3.05	2.86	94	0.73	24	--	4H	2W	
8.23	11.28	3.05	2.98	98	0.80	26	--	3H	2W	
11.28	14.33	3.05	3.02	99	1.48	49	--	5H	1W	
14.33	17.37	3.04	2.98	98	2.70	89	--	4H	1W	
17.37	20.42	3.05	3.03	99	1.32	43	--	3H	2W	
20.42	23.47	3.05	3.03	99	0.75	25	--	3H	2W	
23.47	26.52	3.05	2.97	97	2.10	69	--	4H	2W	
26.52	29.57	3.05	2.73	90	1.93	63	--	5H	1W	
29.57	32.61	3.04	3.04	100	2.30	76	--	4H	1W	
32.61	35.97	3.36	3.36	100	2.83	84	--	5H	1W	
35.97	39.01	3.04	3.04	100	1.36	45	--	5H	1W	
39.01	42.06	3.05	3.01	99	1.15	38	--	5H	1W	
42.06	44.88	2.82	2.74	97	1.33	47	--	5H	1W	
44.88	47.98	3.10	3.05	98	2.26	73	--	5H	1W	
47.98	51.21	3.23	3.15	98	2.66	82	--	4H	1W	
51.21	54.25	3.04	3.04	100	2.17	71	--	4H	1W	
54.25	57.30	3.05	3.03	99	2.10	69	--	4H	1W	
57.30	60.35	3.05	3.02	99	2.21	72	--	5H	1W	
60.35	63.40	3.05	3.05	100	2.37	78	--	4H	1W	
63.40	66.45	3.05	3.05	100	2.52	83	--	4H	1W	
66.45	69.49	3.04	3.04	100	2.88	95	--	3H	1W	
69.49	72.54	3.05	3.04	100	2.81	92	--	4H	1W	
72.54	75.59	3.05	3.05	100	1.64	54	--	4H	1W	
75.59	78.64	3.05	3.05	100	2.53	83	--	4H	1W	
78.64	81.69	3.05	3.05	100	2.79	91	--	3H	1W	
81.69	84.74	3.05	3.04	100	1.88	62	--	3H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
84.74	87.79	3.05	3.05	100	2.15	70	--	3H	1W	
87.79	90.83	3.04	3.04	100	2.56	84	--	4H	1W	
90.83	93.88	3.05	3.04	100	2.14	70	--	4H	1W	
93.88	96.93	3.05	2.97	97	1.83	60	--	3H	1W	
96.93	99.98	3.05	3.05	100	1.52	50	--	2H	1W	
99.98	103.03	3.05	3.05	100	1.76	58	--	2H	1W	
103.03	106.07	3.04	3.04	100	2.56	84	--	3H	1W	
106.07	109.12	3.05	3.05	100	2.39	78	--	4H	1W	
109.12	112.18	3.06	3.05	100	2.47	81	--	4H	1W	
112.18	115.23	3.05	3.05	100	2.59	85	--	3H	1W	
115.23	118.27	3.04	3.04	100	2.18	72	--	3H	1W	
118.27	121.32	3.05	3.04	100	2.22	73	--	4H	1W	
121.32	124.37	3.05	3.05	100	2.91	95	--	3H	1W	
124.37	127.41	3.04	3.03	100	2.46	81	--	3H	1W	
127.41	130.45	3.04	3.04	100	2.72	89	--	4H	1W	
130.45	133.50	3.05	3.05	100	1.98	65	--	4H	1W	
133.50	136.55	3.05	2.95	97	1.01	33	--	4H	1W	
136.55	139.60	3.05	3.05	100	1.96	64	--	4H	1W	
139.60	142.65	3.05	3.02	99	2.16	71	--	3H	1W	
142.65	145.69	3.04	2.95	97	2.56	84	--	4H	1W	
145.69	148.74	3.05	3.05	100	2.19	72	--	4H	1W	
148.74	151.79	3.05	2.93	96	1.10	36	--	4H	1W	
151.79	154.84	3.05	2.97	97	1.42	47	--	3H	1W	
154.84	157.89	3.05	3.01	99	1.98	65	--	3H	1W	
157.89	160.93	3.04	3.01	99	2.34	77	--	4H	1W	
160.93	163.98	3.05	2.98	98	2.22	73	--	4H	1W	
163.98	167.03	3.05	3.05	100	1.64	54	--	3H	1W	
167.03	170.08	3.05	3.05	100	1.80	59	--	4H	1W	
170.08	173.13	3.05	3.01	99	2.04	67	--	4H	1W	
173.13	176.17	3.04	3.04	100	2.49	82	--	3H	1W	
176.17	179.22	3.05	3.05	100	2.45	80	--	4H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
179.22	182.27	3.05	3.05	100	2.20	72	--	4H	1W	
182.27	185.32	3.05	3.04	100	2.41	79	--	4H	1W	
185.32	188.37	3.05	2.98	98	2.76	90	--	5H	1W	
188.37	191.41	3.04	3.04	100	2.20	72	--	3H	1W	
191.41	194.46	3.05	3	98	2.20	72	--	3H	1W	
194.46	197.51	3.05	3.05	100	1.62	53	--	3H	1W	
197.51	200.56	3.05	2.86	94	1.66	54	--	3H	1W	
200.56	203.61	3.05	3.05	100	2.70	89	--	4H	1W	
203.61	206.65	3.04	3.04	100	2.89	95	--	4H	1W	

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
0.00	0.00	0.00	-QC-	0.00	0	M675012	☐	15-061			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M675019	☐	15-061		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M675033	☐	15-062			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M675046	☐	15-062		KL-STD6	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M675048	☐	15-062			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M675056	☐	15-062		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R610709	☐	15-058		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R610713	☐	15-058			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R610722	☐	15-058		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R610733	☐	15-058			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R610741	☐	15-061		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M675007	☐	15-061			☑	☐	☐
23.47	24.08	0.61	GRD	0.61	100	R610698	☐	15-057			☐	☐	☐
24.08	25.00	0.92	GRD	0.89	97	R610699	☐	15-057			☐	☐	☐
25.00	25.40	0.40	GRD	0.40	100	R610700	☐	15-057			☐	☐	☐
25.40	25.93	0.53	GRD	0.53	100	R499361	☐	15-068	High grade		☐	☐	☐
25.93	26.60	0.67	GRD	0.67	100	R610701	☐	15-058			☐	☐	☐
26.60	27.70	1.10	GRD	1.07	97	R610702	☐	15-058			☐	☐	☐
27.70	30.46	2.76	GRD	2.59	94	R610703	☐	15-058			☐	☐	☐
30.46	31.36	0.90	GRD	0.90	100	R610704	☐	15-058			☐	☐	☐
31.36	31.70	0.34	GRD	0.34	100	R610705	☐	15-058			☐	☐	☐
31.70	32.75	1.05	GRD	1.04	99	R610706	☐	15-058			☐	☐	☐
47.37	48.39	1.02	GRD	0.96	94	R610707	☐	15-058			☐	☐	☐
48.39	49.57	1.18	GRD	1.18	100	R610708	☐	15-058			☐	☐	☐
49.57	49.87	0.30	GRD	0.30	100	R610710	☐	15-058			☐	☐	☐
49.87	50.65	0.78	GRD	0.73	94	R610711	☐	15-058			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
50.65	50.98	0.33	GRD	0.33	100	R610712	☐	15-058			☐	☐	☐
50.98	51.61	0.63	GRD	0.62	98	R610714	☐	15-058			☐	☐	☐
51.61	52.62	1.01	GRD	1.00	99	R610715	☐	15-058			☐	☐	☐
52.62	53.65	1.03	GRD	1.03	100	R610716	☐	15-058			☐	☐	☐
65.78	66.34	0.56	GRD	0.54	96	R610717	☐	15-058			☐	☐	☐
66.34	66.64	0.30	GRD	0.30	100	R610718	☐	15-058			☐	☐	☐
66.64	67.53	0.89	GRD	0.89	100	R610719	☐	15-058			☐	☐	☐
66.64	67.53	0.89	GRD	0.89	100	R610720	☐	15-058			☐	☐	☑
67.53	67.84	0.31	GRD	0.30	97	R610721	☐	15-058			☐	☐	☐
67.84	69.04	1.20	GRD	1.20	100	R610723	☐	15-058			☐	☐	☐
69.04	69.40	0.36	GRD	0.36	100	R610724	☐	15-058			☐	☐	☐
69.40	71.62	2.22	GRD	2.22	100	R610725	☐	15-058			☐	☐	☐
69.40	71.62	2.22	GRD	2.22	100	R610726	☐	15-058			☐	☑	☐
71.62	72.04	0.42	GRD	0.42	100	R610727	☐	15-058			☐	☐	☐
72.04	72.54	0.50	GRD	0.46	92	R610728	☐	15-058			☐	☐	☐
72.54	75.59	3.05	GRD	2.96	97	R610729	☐	15-058			☐	☐	☐
75.59	77.95	2.36	GRD	2.36	100	R610730	☐	15-058			☐	☐	☐
77.95	78.80	0.85	GRD	0.85	100	R610731	☐	15-058			☐	☐	☐
78.80	79.45	0.65	GRD	0.65	100	R610732	☐	15-058			☐	☐	☐
79.45	80.52	1.07	GRD	1.07	100	R610734	☐	15-058			☐	☐	☐
80.52	82.31	1.79	GRD	1.79	100	R610735	☐	15-058			☐	☐	☐
82.31	83.25	0.94	GRD	0.91	97	R610736	☐	15-058			☐	☐	☐
83.25	84.74	1.49	GRD	1.47	99	R610737	☐	15-061			☐	☐	☐
84.74	87.79	3.05	GRD	3.03	99	R610738	☐	15-061			☐	☐	☐
87.79	90.54	2.75	GRD	2.75	100	R610739	☐	15-061			☐	☐	☐
90.54	91.38	0.84	GRD	0.84	100	R610740	☐	15-061			☐	☐	☐
91.38	92.93	1.55	GRD	1.55	100	R610742	☐	15-061			☐	☐	☐
92.93	93.88	0.95	GRD	0.94	99	R610743	☐	15-061			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
93.88	95.58	1.70	GRD	1.53	90	R610744	☐	15-061			☐	☐	☐
95.58	96.93	1.35	GRD	1.33	99	R610745	☐	15-061			☐	☐	☐
96.93	98.00	1.07	GRD	1.06	99	R610746	☐	15-061			☐	☐	☐
96.93	98.00	1.07	GRD	1.06	99	R610747	☐	15-061			☐	☐	☑
98.00	98.73	0.73	GRD	0.69	95	R610748	☐	15-061			☐	☐	☐
98.73	100.74	2.01	GRD	1.99	99	R610749	☐	15-061			☐	☐	☐
100.74	101.43	0.69	GRD	0.62	90	R610750	☐	15-061			☐	☐	☐
101.43	103.03	1.60	GRD	1.60	100	M675001	☐	15-061			☐	☐	☐
103.03	103.57	0.54	GRD	0.54	100	M675002	☐	15-061			☐	☐	☐
103.57	104.69	1.12	GRD	1.12	100	M675003	☐	15-061			☐	☐	☐
103.57	104.69	1.12	GRD	1.12	100	M675004	☐	15-061			☐	☑	☐
104.69	105.14	0.45	GRD	0.44	98	M675005	☐	15-061			☐	☐	☐
105.14	105.81	0.67	GRD	0.67	100	M675006	☐	15-061			☐	☐	☐
105.81	106.87	1.06	GRD	1.06	100	M675008	☐	15-061			☐	☐	☐
106.87	107.58	0.71	GRD	0.69	97	M675009	☐	15-061			☐	☐	☐
125.00	126.15	1.15	GRD	1.15	100	M675010	☐	15-061			☐	☐	☐
126.15	127.01	0.86	GRD	0.85	99	M675011	☐	15-061			☐	☐	☐
127.01	128.77	1.76	GRD	1.74	99	M675013	☐	15-061			☐	☐	☐
128.77	131.13	2.36	GRD	2.36	100	M675014	☐	15-061			☐	☐	☐
131.13	131.43	0.30	GRD	0.30	100	M675015	☐	15-061			☐	☐	☐
131.43	132.02	0.59	GRD	0.58	98	M675016	☐	15-061			☐	☐	☐
143.99	144.87	0.88	GRD	0.84	95	M675017	☐	15-061			☐	☐	☐
144.87	145.18	0.31	GRD	0.31	100	R499370	☐	15-068	High grade		☐	☐	☐
145.18	145.83	0.65	GRD	0.65	100	M675018	☐	15-061			☐	☐	☐
145.83	146.63	0.80	GRD	0.70	88	M675020	☐	15-061			☐	☐	☐
146.63	147.19	0.56	GRD	0.55	98	M675021	☐	15-061			☐	☐	☐
147.19	148.74	1.55	GRD	1.55	100	M675022	☐	15-061			☐	☐	☐
148.74	151.79	3.05	GRD	2.84	93	M675023	☐	15-062			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
151.79	153.12	1.33	GRD	1.29	97	M675024	☐	15-062			☐	☐	☐
153.12	153.59	0.47	GRD	0.46	98	M675025	☐	15-062			☐	☐	☐
153.59	155.04	1.45	GRD	1.14	79	M675026	☐	15-062			☐	☐	☐
155.04	155.34	0.30	GRD	0.30	100	M675027	☐	15-062			☐	☐	☐
155.34	156.26	0.92	GRD	0.84	91	M675028	☐	15-062			☐	☐	☐
155.34	156.26	0.92	GRD	0.84	91	M675029	☐	15-062			☐	☐	☑
156.26	157.89	1.63	GRD	1.58	97	M675030	☐	15-062			☐	☐	☐
157.89	160.08	2.19	GRD	2.13	97	M675031	☐	15-062			☐	☐	☐
160.08	160.46	0.38	GRD	0.37	97	M675032	☐	15-062			☐	☐	☐
160.46	161.35	0.89	GRD	0.89	100	M675034	☐	15-062			☐	☐	☐
161.35	161.74	0.39	GRD	0.38	97	M675035	☐	15-062			☐	☐	☐
161.74	163.12	1.38	GRD	1.28	93	M675036	☐	15-062			☐	☐	☐
163.12	163.98	0.86	GRD	0.85	99	M675037	☐	15-062			☐	☐	☐
173.45	173.99	0.54	GRD	0.54	100	M675038	☐	15-062			☐	☐	☐
173.99	174.46	0.47	GRD	0.45	96	M675039	☐	15-062			☐	☐	☐
173.99	174.46	0.47	GRD	0.45	96	M675040	☐	15-062			☐	☑	☐
174.46	175.12	0.66	GRD	0.66	100	M675041	☐	15-062			☐	☐	☐
175.12	175.42	0.30	GRD	0.30	100	M675042	☐	15-062			☐	☐	☐
175.42	175.81	0.39	GRD	0.39	100	R499371	☐	15-068	High grade		☐	☐	☐
175.81	176.28	0.47	GRD	0.46	98	M675043	☐	15-062			☐	☐	☐
187.93	188.67	0.74	GRD	0.74	100	M675044	☐	15-062			☐	☐	☐
188.67	188.97	0.30	GRD	0.30	100	M675045	☐	15-062			☐	☐	☐
188.97	189.60	0.63	GRD	0.63	100	M675047	☐	15-062			☐	☐	☐
189.60	189.90	0.30	GRD	0.30	100	M675049	☐	15-062			☐	☐	☐
189.90	190.26	0.36	QFP	0.36	100	M675050	☐	15-062			☐	☐	☐
190.26	191.41	1.15	QFP	1.15	100	M675051	☐	15-062			☐	☐	☐
191.41	194.46	3.05	QFP	3.03	99	M675052	☐	15-062			☐	☐	☐
194.46	196.76	2.30	QFP	2.30	100	M675053	☐	15-062			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
196.76	198.00	1.24	QFP	1.24	100	M675054	☐	15-062			☐	☐	☐
198.00	198.53	0.53	QFP	0.53	100	M675055	☐	15-062			☐	☐	☐
198.53	198.83	0.30	QFP	0.30	100	M675057	☐	15-062			☐	☐	☐
198.83	200.47	1.64	QFP	1.39	85	M675058	☐	15-062			☐	☐	☐
200.47	200.77	0.30	GRD, QFP	0.30	100	M675059	☐	15-063			☐	☐	☐
200.77	201.27	0.50	GRD	0.50	100	M675060	☐	15-063			☐	☐	☐

Klaza - Klaza Project

Rockhaven RESOURCES LTD.

Archer,Cathro & Associates (1981) Limited

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		383198	6889942	1363.97	111.56

ZONE: Eastern Klaza

SECTION: KL 10+600

HOLE: KL-15-263

CLAIM:

Contractor: Platinum

Drill: 2

Core Size: HQ

Casing Depth: 3.87m, Out

Drilling Dates: Jul 14 - Jul 15, 2015

Geology Logged By: D. Walsh

SURVEY			
Depth (m)	Azimuth	Dip	Method
1.82	35.3	-48.3	Reflex
111.55	34.5	-47.5	Reflex

TARGET:

SUMMARY			
From (m)	To (m)	Interval (m)	Rock Type
0	3.87	3.87	CAS
3.87	4.45	0.58	OVB
4.45	16	11.55	GRD
16	18.85	2.85	GRD
18.85	36.3	17.45	GRD
36.3	63.27	26.97	GRD
63.27	90.38	27.11	GRD
90.38	91.88	1.5	GRD
91.88	96.15	4.27	GRD
96.15	97.11	0.96	GRD
97.11	107.07	9.96	GRD
107.07	111.56	4.49	GRD

SAMPLES	
Numbers:	M675061 to M675087, R499372
Total:	28
Batch:	063, 068
Certificates:	WH15105501, WH15106938, WH15106945

COMMENTS

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
3.87	4.45	0.58	OVB	--	Overburden							
						MD	BN					
4.45	16.00	11.55	GRD	MG	Rubbly and broken up, strongly pervasively oxidized alternating patches of weak argillic and weak phyllic. Oxidation obscures rock textures.							
						MD	OR	RB	OXI	4I		
						MD	BN		PHC	2I		
						LT	GN		ARG	2I		
16.00	18.85	2.85	GRD	MG	Unaltered granodiorite with strong oxidation along fracture surfaces. Has rubbly patches.							
						MD	GY		OXI	4I		
						MD	OR					
						LT	GY					
18.85	36.30	17.45	GRD	MG	Pervasively moderate to strongly oxidized alternating patches of moderate phyllic alteration and weak to moderate argillic alteration. Interval contains rubbly patches and multiple gouge zones. Strong oxidation obscures rock textures.							
						MD	OR	PA	PHC	3I		
						MD	GN		OXI	4I		
						LT	GN	RB	OXI	3I		
						LT	WH		ARG	2I		
									ARG	3I		
36.30	63.27	26.97	GRD	MG	Primarily moderate argillic altered granodiorite with patches of unaltered granodiorite and sporadic weak phyllic envelopes. Argillic alteration areas are very broken up and rubbly and the unaltered granodiorite portions are more competent but still fractures. Interval overall is very rubbly and not competent. Sporadic weak to moderate oxidation along fractures.							
						MD	GY		OXI	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	WH	RB	OXI	2I		
						LT	GN		ARG	3I		
63.27	84.75	21.48	GRD	MG	Primarily unaltered granodiorite with small patches of rubbly argillic alteration. Rock is highly fractures in places. Weak to strong oxidation along fracture surfaces. Oxidation intensity decreases with depth.							
						MD	GY	FR	OXI	2I		
						MD	OR		OXI	3I		
									OXI	4I		
84.75	87.08	2.33	GRD	MG	Weak to moderate phyllic altered granodiorite hosting multiple quartz veins. Distal phyllic alteration transitions to moderate argillic alteration at the edges of the phyllic envelope. Argillic alteration is rubbly.							
						LT	GN	EN	PHC	2I		
						LT	WH		PHC	3I		
									ARG	3I		
87.08	89.69	2.61	GRD	MG	Primarily unaltered granodiorite with small patches of rubbly argillic alteration. Rock is highly fractures in places. Weak oxidation along fracture surfaces. Oxidation intensity decreases with depth.							
						MD	GY		OXI	2I		
89.69	90.38	0.69	GRD	MG	Weakly phyllic overpainted argillic alteration.							
						LT	GN		PHC	2I		
						LT	WH		ARG	3I		
90.38	91.88	1.50	GRD	MG	Weak to moderate phyllic and moderate to strongly propyllitic altered granodiorite. Host disseminated pyrite. Center of the interval appears to contain a vein zone but it is difficult to tell due to it being rubbly and broken up. Alterations in the center of the interval are the strongest and also has moderate sericite alteration. Appears to host some polymetallic quartz/carbonate veining.							
						MD	GN		PRO	4I		
						MD	GY		PHC	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						DK	GN	RB	PRO	3I	Py	0.5
									SER	3I		
									PHC	3I		
91.88	96.15	4.27	GRD	MG	Alternating patches of weak to moderate propyllitic alteration and rubbly weak to moderate argillic alteration.							
						MD	GY	RB				
						LT	WH					
						DK	GN	PA				
96.15	97.11	0.96	GRD	MG	Weak to moderate phyllic/argillic envelope surrounding a smoky quartz/pyrite vein.							
						MD	GN	RB	PHC	3I		
						LT	GN	EN	PHC	2I		
						LT	WH		ARG	2I		
									ARG	3I		
97.11	101.21	4.10	GRD	MG	Rubbly argillic altered granodiorite with patches of trace to weak propyllitic/potassic altered granodiorite.							
						MD	GN	RB	ARG	3I		
						MD	PK		PRO	2I		
						LT	WH	PA	ARG	2I		
						DK	GN		PRO	1I		
									POT	2I		
									POT	1I		
101.21	101.88	0.67	GRD	MG	Silicified moderate phyllic envelope hosting a smoky quartz vein.							
						MD	GN		SIL	3I		
						LT	GN	EN	PHC	3I		
101.88	105.53	3.65	GRD	MG	Rubbly argillic/propyllitic altered granodiorite .							
						MD	GN		ARG	3I		
						LT	WH	RB	ARG	2I		
						DK	GN		PRO	1I		
									PRO	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
105.53	106.43	0.90	GRD	MG	Broken up moderate phyllic altered granodiorite. Hosts a rubbly quartz/pyirte vein.							
						MD	GN	RB	PHC	3I		
								EN				
106.43	107.07	0.64	GRD	MG	Potassic and propyllitic overprinted moderate argillic alteration.							
						MD	PK		ARG	3I		
						LT	GN		PRO	3I		
						LT	WH		POT	3I		
107.07	111.56	4.49	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite with small weak phyllic envelopes occurring around carbonate veinlets.							
						MD	GY		PRO	1I		
						MD	PK		POT	1I		
						DK	GN		PRO	2I		
									POT	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
3.87	4.45	0.58	OVB	--	Overburden							
						MD	BN					
4.45	16.00	11.55	GRD	MG	Rubbly and broken up, strongly pervasively oxidized alternating patches of weak argillic and weak phyllic. Oxidation obscures rock textures.							
						LT	GN		ARG	2I		
						MD	OR	RB	OXI	4I		
						MD	BN		PHC	2I		
16.00	18.85	2.85	GRD	MG	Unaltered granodiorite with strong oxidation along fracture surfaces. Has rubbly patches.							
						MD	GY	PA	OXI	4I		
						LT	GY	RB				
						MD	OR					
18.85	36.30	17.45	GRD	MG	Pervasively moderate to strongly oxidized alternating patches of moderate phyllic alteration and weak to moderate argillic alteration. Interval contains rubbly patches and multiple gouge zones. Strong oxidation obscures rock textures.							
						LT	WH		ARG	2I		
						MD	OR	RB	PHC	3I		
						MD	GN		OXI	4I		
									ARG	3I		
						LT	GN	PA	OXI	3I		
36.30	63.27	26.97	GRD	MG	Primarily moderate argillic altered granodiorite with patches of unaltered granodiorite and sporadic weak phyllic envelopes. Argillic alteration areas are very broken up and rubbly and the unaltered granodiorite portions are more competent but still fractures. Interval overall is very rubbly and not competent. Sporadic weak to moderate oxidation along fractures.							
						LT	WH	RB	OXI	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GY		OXI	3I		
						LT	GN		ARG	3I		
63.27	90.38	27.11	GRD	MG	Primarily unaltered granodiorite with small patches of rubbly argillic alteration. Rock is highly fractures in places. Weak to strong oxidation along fracture surfaces. Oxidation intensity decreases with depth.							
									OXI	4I		
						MD	OR		OXI	3I		
						MD	GY	FR	OXI	2I		
90.38	91.88	1.50	GRD	MG	Weak to moderate phyllic and moderate to strongly propyllitic altered granodiorite. Host disseminated pyrite. Center of the interval appears to contain a vein zone but it is difficult to tell due to it being rubbly and broken up. Alterations in the center of the interval are the strongest and also has moderate sericite alteration. Appears to host some polymetallic quartz/carbonate veining.							
									SER	3I		
									PHC	3I		
						MD	GY		PHC	2I		
						DK	GN	RB	PRO	3I	Py	0.5
						MD	GN		PRO	4I		
91.88	96.15	4.27	GRD	MG	Alternating patches of weak to moderate propyllitic alteration and rubbly weak to moderate argillic alteration.							
						MD	GY	RB				
						DK	GN	PA				
						LT	WH					
96.15	97.11	0.96	GRD	MG	Weak to moderate phyllic/argillic envelope surrounding a smoky quartz/pyrite vein.							
						LT	GN	EN	PHC	2I		
									ARG	3I		
						LT	WH		ARG	2I		
						MD	GN	RB	PHC	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
97.11	107.07	9.96	GRD	MG	Rubbly argillic altered granodiorite with patches of trace to weak propyllitic/potassic altered granodiorite.							
						DK	GN		PRO	1I		
						MD	GN	RB	ARG	3I		
						MD	PK		PRO	2I		
									POT	1I		
									POT	2I		
						LT	WH	PA	ARG	2I		
107.07	111.56	4.49	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite with small weak phyllic envelopes occurring around carbonate veinlets.							
						MD	PK		POT	1I		
						DK	GN		PRO	2I		
									POT	2I		
						MD	GY		PRO	1I		

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
0.00	3.87	3.87	0	0	0.00	0	--	--	--	
3.87	5.18	1.31	1.3	99	0.13	10	--	3H	3W	
5.18	8.23	3.05	2.71	89	0.64	21	--	3H	2W	
8.23	11.28	3.05	2.91	95	1.10	36	--	3H	2W	
11.28	14.33	3.05	3.01	99	0.94	31	--	3H	3W	
14.33	17.37	3.04	2.64	87	0.72	24	--	3H	3W	
17.37	20.42	3.05	2.86	94	0.46	15	--	4H	2W	
20.42	23.47	3.05	3.02	99	1.36	45	--	4H	2W	
23.47	26.52	3.05	2.65	87	0.48	16	--	3H	2W	
26.52	29.57	3.05	2.88	94	1.02	33	--	4H	2W	
29.57	32.61	3.04	3.03	100	1.44	47	--	4H	2W	
32.61	35.66	3.05	3.05	100	0.46	15	--	3H	2W	
35.66	38.71	3.05	3.03	99	0.40	13	--	3H	2W	
38.71	41.76	3.05	3.04	100	0.82	27	--	3H	2W	
41.76	44.81	3.05	3.05	100	0.83	27	--	3H	1W	
44.81	47.85	3.04	3.04	100	0.35	12	--	3H	1W	
47.85	50.90	3.05	3.01	99	0.84	28	--	3H	1W	
50.90	53.95	3.05	2.98	98	1.41	46	--	4H	1W	
53.95	57.00	3.05	2.91	95	0.60	20	--	3H	1W	
57.00	60.05	3.05	3.04	100	1.16	38	--	3H	1W	
60.05	63.09	3.04	3.04	100	0.65	21	--	3H	1W	
63.09	66.14	3.05	3.05	100	0.91	30	--	4H	1W	
66.14	69.19	3.05	2.99	98	0.27	9	--	4H	2W	
69.19	72.24	3.05	2.92	96	1.27	42	--	4H	1W	
72.24	75.29	3.05	2.98	98	1.53	50	--	4H	1W	
75.29	78.33	3.04	3.03	100	1.48	49	--	4H	1W	
78.33	81.38	3.05	3.05	100	2.06	68	--	4H	1W	
81.38	84.43	3.05	3.05	100	2.03	67	--	4H	1W	
84.43	87.48	3.05	3.02	99	1.26	41	--	3H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
87.48	90.53	3.05	3.04	100	1.84	60	--	4H	1W	
90.53	93.57	3.04	2.9	95	0.90	30	--	3H	1W	
93.57	96.62	3.05	2.56	84	0.66	22	--	3H	1W	
96.62	99.67	3.05	2.42	79	0.42	14	--	3H	1W	
99.67	102.72	3.05	2.9	95	1.23	40	--	3H	1W	
102.72	105.77	3.05	2.42	79	0.79	26	--	3H	1W	
105.77	108.81	3.04	2.95	97	1.13	37	--	3H	1W	
108.81	111.56	2.75	2.67	97	1.60	58	--	4H	1W	

KL-15-263

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
0.00	0.00	0.00	-QC-	0.00	0	M675068	☐	15-063		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M675077	☐	15-063		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M675085	☐	15-063			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M675064	☐	15-063			☑	☐	☐
32.46	33.22	0.76	GRD	0.76	100	M675061	☐	15-063			☐	☐	☐
33.22	34.40	1.18	GRD	1.02	86	M675062	☐	15-063			☐	☐	☐
34.40	35.26	0.86	GRD	0.86	100	M675063	☐	15-063			☐	☐	☐
35.26	36.02	0.76	GRD	0.73	96	M675065	☐	15-063			☐	☐	☐
84.43	85.35	0.92	GRD	0.91	99	M675066	☐	15-063			☐	☐	☐
85.35	85.91	0.56	GRD	0.56	100	M675067	☐	15-063			☐	☐	☐
85.91	86.78	0.87	GRD	0.84	97	M675069	☐	15-063			☐	☐	☐
86.78	88.41	1.63	GRD	1.63	100	M675070	☐	15-063			☐	☐	☐
88.41	90.34	1.93	GRD	1.93	100	M675071	☐	15-063			☐	☐	☐
88.41	90.34	1.93	GRD	1.93	100	M675072	☐	15-063			☐	☑	☐
90.34	90.95	0.61	GRD	0.60	98	M675073	☐	15-063			☐	☐	☐
90.95	91.54	0.59	GRD	0.59	100	R499372	☐	15-068	High grade		☐	☐	☐
91.54	91.87	0.33	GRD	0.32	97	M675074	☐	15-063			☐	☐	☐
91.87	93.57	1.70	GRD	1.70	100	M675075	☐	15-063			☐	☐	☐
93.57	96.62	3.05	GRD	2.97	97	M675076	☐	15-063			☐	☐	☐
96.62	96.96	0.34	GRD	0.32	94	M675078	☐	15-063			☐	☐	☐
96.96	99.67	2.71	GRD	2.41	89	M675079	☐	15-063			☐	☐	☐
99.67	100.30	0.63	GRD	0.63	100	M675080	☐	15-063			☐	☐	☐
100.30	101.21	0.91	GRD	0.91	100	M675081	☐	15-063			☐	☐	☐
101.21	102.72	1.51	GRD	1.50	99	M675082	☐	15-063			☐	☐	☐
102.72	105.53	2.81	GRD	2.24	80	M675083	☐	15-063			☐	☐	☐
105.53	105.86	0.33	GRD	0.33	100	M675084	☐	15-063			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
105.86	106.36	0.50	GRD	0.50	100	M675086	☐	15-063			☐	☐	☐
106.36	107.60	1.24	GRD	0.70	56	M675087	☐	15-063			☐	☐	☐

Klaza - Klaza Project

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		381798	6890001	1312	169.77

ZONE: Western BRX

SECTION: BRX 9+500

HOLE: KL-15-264

CLAIM:

Contractor: Platinum

Drill: 2

Core Size: HQ3

Casing Depth: 3.05m, Out

Drilling Dates: Jul 13 - Jul 15, 2015

Geology Logged By: T. Cruz

SURVEY			
Depth (m)	Azimuth	Dip	Method
8.22	39.8	-50.2	Reflex
175.86	39.5	-49.6	Reflex

TARGET:

SUMMARY			
From (m)	To (m)	Interval (m)	Rock Type
0	3.05	3.05	CAS
3.05	28.77	25.72	GRD
28.77	38.78	10.01	GRD
38.78	46.29	7.51	GRD
46.29	48.38	2.09	GRD
48.38	52.38	4	GRD
52.38	62.54	10.16	GRD
62.54	85.67	23.13	GRD
85.67	89.31	3.64	GRD
89.31	120.6	31.29	GRD
120.6	124.47	3.87	GRD
124.47	124.97	0.5	GRD
124.97	131.98	7.01	GRD
131.98	139.78	7.8	QFP
139.78	145.03	5.25	GRD
145.03	158.77	13.74	GRD

SAMPLES	
Numbers:	R499378 to R499380, R610340 to R610404
Total:	68
Batch:	060, 065, 068
Certificates:	WH15105487, WH15106825, WH15106938, WH15106945

COMMENTS

158.77	159.67	0.9	VEN
159.67	162.36	2.69	QFP
162.36	163.51	1.15	GRD
163.51	169.77	6.26	GRD

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
3.05	28.77	25.72	GRD	MG	Granodiorite with patchy propylitic alteration and rare, narrow proximal phyllic and distal argillic halos on quartz-carbonate veins. Semipervasive to fracture-limited oxide staining, focused on fractures. Recovery is only rubbly or strongly fractured for the first 11m, otherwise it is competent for top of hole.							
						MD	GN	PA	OXI	2I		
						MD	GY	FR	PRO	1I		
						MD	BN					
						LT	GN		PHC	1I		
28.77	38.78	10.01	GRD	MG	Moderately fractured granodiorite with semipervasive oxide staining and patchy moderate silicification. Silica and oxide overprints proximal phyllic and distal argillic halos on what were once mineralized quartz-carbonate veins. Now, most sulphides have been weathered away. Trace disseminated pyrite remains. Short crumbled argillic-gouge zones show the strongest oxide staining.							
						MD	BN	RX	SIL	3I	Py	0.1
						MD	GY		ARG	2I		
						LT	WH	PA	PHC	2I		
						LT	OL	MO	OXI	3I		
38.78	39.62	0.84	GRD	MG	Granodiorite with well defined proximal phyllic and distal argillic halos on quartz-carbonate veining (tends to be barren) and fracture-associated oxide staining. Pervasive oxide staining occurs in argillic halos and in narrow gouge seams. Patchy silicification is found mostly in phyllic-argillic halos.							
						MD	GY	PA	SIL	2I		
						MD	BN		PHC	2I		
						LT	WH	RX	ARG	2I		
						LT	GN		OXI	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
39.62	41.23	1.61	GRD	MG	Gouge and veinlet halo dominated by argillic alteration. Argillic is overprinted by oxide staining and weak-moderate silicification resulting in quartz eyes.							
						LT	OR	RX	OXI	2I		
						LT	WH	MO	ARG	3I		
						LT	BN		SIL	2I		
									CLY	1I		
41.23	46.29	5.06	GRD	MG	Granodiorite with well defined proximal phyllic and distal argillic halos on quartz-carbonate veining (tends to be barren) and fracture-associated oxide staining. Pervasive oxide staining occurs in argillic halos and in narrow gouge seams. Patchy silicification is found mostly in phyllic-argillic halos.							
						MD	GY	MO	ARG	2I		
						LT	WH	RX	PHC	1I		
						LT	BN	PA	OXI	2I		
						LT	OR		SIL	1I		
46.29	48.38	2.09	GRD	MG	Patch of argillic-potassic altered granodiorite with oxide staining on fractures.							
						LT	WH	MO	ARG	3I		
						LT	PK		OXI	2I		
						LT	BN		POT	3I		
48.38	50.03	1.65	FLT	FG	Argillic and gouge altered fault with significant rock clay on fractures.							
						MD	GY	RB	CLY	3I		
						LT	GY	FR	ARG	3I		
50.03	52.38	2.35	GRD	MG	Granodiorite with patchy phyllic-argillic and potassic alteration, and oxide staining on fractures.							
						MD	BN	PA	PHC	2I		
						MD	GY	FR	ARG	2I		
						LT	WH		OXI	2I		
						LT	PK		POT	1I		
52.38	55.86	3.48	GRD	MG	Moderate argillic with moderate potassic overprint. Trace oxide staining on some fractures.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	WH	MO	ARG	3I		
						LT	PK		POT	3I		
						LT	BN		OXI	1I		
55.86	57.70	1.84	GRD	MG	Silicified phyllic halo on grey quartz-chalcedony breccia.							
						LT	GN	BX	PHC	3I		
						LT	GY		SIL	2I		
									OXI	1I		
57.70	62.54	4.84	GRD	MG	Moderate argillic outer halo with potassic overprint.							
						LT	WH	MO	ARG	3I		
						LT	PK		POT	2I		
62.54	80.80	18.26	GRD	MG	Fresh granodiorite cut by rare quartz-carbonate veinlets with narrow proximal phyllic and distal argillic halos.							
						MD	GY		POT	1I		
						LT	GN		PHC	1I		
									ARG	1I		
80.80	82.50	1.70	GRD	MG	Silicified proximal phyllic and distal argillic halos on two polymetallic quartz-carbonate-ankerite veins hosting pyrite, sphalerite, arsenopyrite, and galena.							
						LT	GN	PA	SIL	2I	Py	0.1
									PHC	3I	As	0.1
											Sp	0.1
											Gn	0.1
82.50	85.67	3.17	GRD	MG	Fresh granodiorite cut by rare quartz-carbonate veinlets with narrow proximal phyllic and distal argillic halos.							
						MD	GY	PA	POT	1I		
						LT	PK		SIL	1I		
									PHC	1I		
									ARG	1I		
85.67	89.31	3.64	GRD	MG	Alternating patches of proximal phyllic and distal argillic halos on different quartz-carbonate veins. Weak-moderate potassic alteration overprints argillic. Veins host trace disseminated pyrite.							
						LT	GN	PA	ARG	3I	Py	0.1
						LT	WH	MO	POT	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	PK		PHC	3I		
89.31	94.93	5.62	GRD	MG	Fresh granodiorite with rare narrow proximal phyllic and distal argillic halos on few quartz-carbonate veins. Cut by few pink aplite dyklets. Trace patchy propylitic and potassic.							
						MD	GN	PA	PRO	1I		
						LT	GN		POT	1I		
						LT	PK		PHC	1I		
									ARG	1I		
94.93	95.81	0.88	GRD	MG	Pair of proximal phyllic and distal argillic halos on two polymetallic quartz-carbonate veins. There is a patch of fresher granodiorite between the phyllic halos.							
						MD	GY	MO	PHC	2I	Sp	0.1
						LT	GN	PA	POT	1I	Py	0.1
						LT	PK		ARG	2I		
95.81	102.72	6.91	GRD	MG	Fresh granodiorite with rare white quartz-carbonate veinlets with very narrow phyllic halos.							
						MD	GY		PHC	1I		
102.72	103.67	0.95	GRD	MG	Proximal phyllic and distal argillic halo around a polymetallic smoky-white quartz-carbonate vein. Weak potassic overprints argillic alteration. Some crumbling at lower end of the argillic alteration.							
						LT	WH	PA	ARG	3I	Py	0.1
						LT	PK	MO	POT	2I		
						LT	GN		PHC	2I		
103.67	112.34	8.67	GRD	MG	Fresh granodiorite with patches of trace propylitic , potassic, and narrow phyllic halos on rare quartz-carbonate veins.							
						MD	GY	PA	PHC	1I		
						MD	GN		ARG	1I		
						LT	PK		POT	1I		
									PRO	1I		
112.34	112.61	0.27	QFP	FG	Narrow grey-red quartz feldspar porphyry dyke with strong hydrothermal alteration and sharp 90 TCA contacts with granodiorite.							
						MD	RD					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	GN	PO	HYD	4I		
112.61	114.91	2.30	GRD	MG	Fresh granodiorite with trace patchy potassic.							
						MD	GY		POT	1I		
						LT	PK					
114.91	116.24	1.33	GRD	MG	Proximal phyllic and distal argillic halo on a narrow breccia and gouge seam. Weak potassic overprint.							
						LT	GN	MO	PHC	3I		
						LT	PK		ARG	2I		
									POT	2I		
116.24	118.66	2.42	GRD	MG	Granodiorite with patchy propylitic, potassic, and silicification.							
						MD	GY		PRO	2I		
						MD	GN		POT	1I		
						LT	PK		SIL	2I		
118.66	119.22	0.56	GRD	MG	Propylitic and phyllic altered granodiorite with trace potassic overprint. Cut by few quartz-carbonate veinlets with blebby pyrite.							
						MD	GN		PHC	2I	Py	0.5
						LT	GN		ARG	1I		
						LT	PK		POT	1I		
									PRO	2I		
119.22	120.60	1.38	GRD	MG	Moderately propylitic altered granodiorite with few clay seams.							
						MD	GN		CLY	2I		
						MD	GY		PRO	3I		
120.60	124.47	3.87	GRD	MG	Zone of alternating patches of argillic, phyllic, propylitic, and potassic alterations. Potassic tends to overprint argillic alteration. The alterations produce mottled green, white, and pink colouration.							
						MD	GN		POT	2I		
						LT	GN	PA	PRO	2I		
						LT	PK	MO	ARG	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	WH		PHC	2I		
124.47	124.77	0.30	GRD	MG	Propylitic altered granodiorite cut by 3 polymetallic quartz veins and a thin gouge seam.							
						MD	GN		PRO	3I	Gn	0.1
									SIL	2I	Sp	0.1
											Py	1
											As	0.1
124.77	124.97	0.20	VEN	MG	Bonus vein: a 8cm band of tan ankerite flanked by grey-smoky quartz hosting pyrite, honey brown sphalerite, galena, and arsenopyrite.							
						MD	GY				Sp	0.5
						LT	TN	BN	SIL	3I	Py	1
											As	0.5
											Gn	0.1
124.97	125.49	0.52	GRD	MG	Phyllic alteration overprinted by weak silicification.							
						LT	GN	RX	PHC	3I		
									SIL	2I		
125.49	126.91	1.42	GRD	MG	Relatively fresh granodiorite with trace propylitic and potassic alteration.							
						MD	GY		PRO	1I		
						MD	GN		POT	1I		
						LT	PK					
126.91	128.08	1.17	GRD	MG	Moderate argillic altered granodiorite with potassic overprint.							
						LT	WH	MO	ARG	3I		
						LT	PK		POT	2I		
128.08	131.98	3.90	GRD	MG	Pervasive moderate-strong phyllic alteration with trace propylitic overprint. Cut by several cream carbonate-tan ankerite veins with trace sulphides.							
						LT	GN	RX	PHC	4I	Py	0.1
									POT	1I		
									PRO	1I		
131.98	139.78	7.80	QFP	FG	Medium tan-grey hydrothermally altered quartz feldspar porphyry dyke with narrow gouge seams.							
						MD	TN	PO	HYD	4I		
						LT	GY	RX	CLY	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
139.78	145.03	5.25	GRD	MG	Granodiorite with patches of weak propylitic, silicification, and potassic alteration. Cut by 3 narrow veins with blebby pyrite.							
						MD	GY	PA	SIL	2I	Py	0.1
						MD	GN		PRO	2I		
						LT	PK		POT	1I		
145.03	145.85	0.82	GRD	MG	Argillic and potassic altered granodiorite.							
						LT	WH	MO	ARG	3I		
						LT	PK		POT	2I		
145.85	148.73	2.88	GRD	MG	Proximal phyllic and distal argillic halos on quartz-carbonate veins with overprinting silicification. Cut by few two gouge seams.							
						MD	GN	MO	PHC	3I	Sp	0.1
						LT	GN	PA	SIL	2I	Py	0.5
						LT	PK		ARG	2I		
						LT	WH		POT	1I		
									PRO	1I		
148.73	151.02	2.29	GRD	MG	Silicified granodiorite with patchy weak argillic and propylitic alteration.							
						MD	GN	RX	ARG	2I		
						LT	WH	PA	POT	1I		
						LT	PK		PRO	2I		
151.02	158.77	7.75	GRD	MG	Alternating patches of proximal phyllic and distal argillic halos around veins and gouge seams. Patchy silicification overprints and weakly recrystallizes granodiorite textures.							
						MD	GN		PRO	2I		
						MD	GY		SIL	2I		
						LT	PK	RX	POT	1I		
						LT	GN	PA	PHC	2I	Py	0.1
						LT	WH	MO	ARG	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
158.77	159.67	0.90	VEN	FG	BRX Vein. Dominated by massive pyrite with interstitial quartz and rarer tankerite. Pyrite crystals along fractures are large (up to 1cm diameter) and very well formed. There is some blebby chalcopyrite intergrown with the pyrite, generally near the quartz. Bebby black jack sphalerite is hosted adjacent to tan ankerite. The upper selvedge of the massive pyrite consists of massive tan ankerite hosting blebby black jack sphalerite, honey brown sphalerite, blebby galena, and blebby pyrite. The lower selvedge is a band of grey quartz with blebby-banded galena, blebby honey brown sphalerite, blebby black jack sphalerite, blebby pyrite, and blebby arsenopyrite. There is gouge along the lower selvedge hosting disseminated pyrite.							
						MD	GY	XL			Sp	1
						MD	BR	BN			Gn	1
						LT	TN	MA			Py	75
											As	1
											Cp	1
159.67	160.86	1.19	QFP	FG	Light grey-green quartz feldspar porphyry dyke cut by netted calcite stringers/veinlets.							
						LT	GN	PO				
						LT	GY	NE	HYD	4I		
								RX				
160.86	161.04	0.18	BXA	FG	Grey matrix supported massive quartz breccia with subangular clasts of reddish-tan quartz feldspar porphyry dyke. Gouge seams are present along the breccia edges.							
						LT	GY	BX	HYD	3I		
						LT	TN					
						LT	RD					
161.04	161.38	0.34	QFP	FG	Gouged light grey quartz feldspar porphyry dyke cut by netted calcite veinlets and narrow gouge seams.							
						LT	GY	FR	HYD	4I		
								RX				
								NE	CLY	2I		
161.38	162.36	0.98	QFP	FG	Light red hydrothermally altered quartz feldspar porphyry dyke cut by narrow gouge seams.							
						LT	RD	RX	HYD	4I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
								PO	CLY	2I		
162.36	162.82	0.46	GRD	MG	BRX footwall zone. Mineralization is in a light grey quartz matrix breccia with clasts of dark grey quartz veining and phyllic granodiorite. There is a discontinuous band of galena along the lower selvedge of the breccia, along with blebby arsenopyrite, galena, pyrite, and black jack sphalerite. Breccia is vuggy, and there is some disseminated pyrite, black jack sphalerite, and arsenopyrite within the matrix.							
						MD	GY	VU			Sp	1
						LT	GY	BX			Gn	2
											As	1
											Py	1
162.82	163.51	0.69	GRD	MG	Moderately phyllic and propylitic altered granodiorite cut by many carbonate veinlets, quartz-carbonate veinlets, and pyrite veinlets. There are few reddish-grey chalcedony veinlets. Disseminated pyrite is hosted throughout granodiorite.							
						MD	GN		PHC	3I	Py	1
									PRO	3I	Py	1
163.51	164.80	1.29	GRD	MG	Alternating patches of proximal phyllic and distal argillic halos on few carbonate veinlets. Weak patchy potassic and propylitic overprints.							
						MD	GN		POT	2I		
						LT	WH	PA	PHC	2I		
						LT	GN	MO	ARG	2I		
						LT	PK		PRO	1I		
164.80	165.32	0.52	GRD	MG	Fresher granodiorite with trace propylitic and potassic alteration.							
						MD	GY	MO	PRO	1I		
						MD	GN		POT	1I		
						LT	PK					
165.32	166.39	1.07	GRD	MG	Overprinted phyllic and argillic altered granodiorite with trace pervasive silicification and potassic alteration.							
						LT	GN	RX	PHC	3I		
						LT	PK		SIL	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
									POT	1I		
									ARG	3I		
166.39	169.32	2.93	GRD	MG	Fresher granodiorite with trace propylitic and potassic alteration.							
						MD	GY		PRO	1I		
						MD	GN		POT	1I		
						LT	PK					
169.32	169.77	0.45	GRD	MG	A proximal phyllic and distal argillic halo around a narrow aplite dyklet. Potassic alteration overprints the argillic halo. EOH.							
						LT	GN	ZO	ARG	2I		
						LT	PK		POT	1I		
						LT	WH		PHC	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
3.05	28.77	25.72	GRD	MG	Granodiorite with patchy propylitic alteration and rare, narrow proximal phyllic and distal argillic halos on quartz-carbonate veins. Semipervasive to fracture-limited oxide staining, focused on fractures. Recovery is only rubbly or strongly fractured for the first 11m, otherwise it is competent for top of hole.							
						MD	GY	FR	PRO	1I		
						MD	GN	PA	OXI	2I		
						LT	GN		PHC	1I		
						MD	BN					
28.77	38.78	10.01	GRD	MG	Moderately fractured granodiorite with semipervasive oxide staining and patchy moderate silicification. Silica and oxide overprints proximal phyllic and distal argillic halos on what were once mineralized quartz-carbonate veins. Now, most sulphides have been weathered away. Trace disseminated pyrite remains. Short crumbled argillic-gouge zones show the strongest oxide staining.							
						MD	GY		ARG	2I		
						LT	WH	PA	PHC	2I		
						MD	BN	RX	SIL	3I	Py	0.1
						LT	OL	MO	OXI	3I		
38.78	46.29	7.51	GRD	MG	Granodiorite with well defined proximal phyllic and distal argillic halos on quartz-carbonate veining (tends to be barren) and fracture-associated oxide staining. Pervasive oxide staining occurs in argillic halos and in narrow gouge seams. Patchy silicification is found mostly in phyllic-argillic halos.							
						LT	WH	RX	ARG	2I		
						LT	GN		OXI	2I		
						MD	BN		PHC	2I		
						MD	GY	PA	SIL	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
46.29	48.38	2.09	GRD	MG	Patch of argillic-potassic altered granodiorite with oxide staining on fractures.							
						LT	BN		POT	3I		
						LT	PK		OXI	2I		
						LT	WH	MO	ARG	3I		
48.38	52.38	4.00	GRD	MG	Granodiorite with patchy trace potassic/propylitic alteration and a wide section of crumbled argillic alteration and gouge, possibly faulted. Weak oxide staining on fractures.							
						MD	GY	FR				
						LT	BN					
						LT	PK					
52.38	62.54	10.16	GRD	MG	Very wide external argillic-potassic halo around grey quartz-chalcedony breccia with narrower inner phyllic halo. Trace oxide staining on few fractures.							
						LT	WH		ARG	4I		
						LT	PK		POT	3I		
						LT	GN		PHC	3I		
						LT	GY		OXI	1I		
62.54	85.67	23.13	GRD	MG	Fresh granodiorite cut by rare quartz-carbonate veinlets with narrow proximal phyllic and distal argillic halos.							
						LT	GN		PHC	1I		
						MD	GY		POT	1I		
									ARG	1I		
85.67	89.31	3.64	GRD	MG	Alternating patches of proximal phyllic and distal argillic halos on different quartz-carbonate veins. Weak-moderate potassic alteration overprints argillic. Veins host trace disseminated pyrite.							
						LT	PK		PHC	3I		
						LT	WH	MO	POT	2I		
						LT	GN	PA	ARG	3I	Py	0.1
89.31	120.60	31.29	GRD	MG	Fresh granodiorite with rare narrow proximal phyllic and distal argillic halos on few quartz-carbonate veins. Cut by few pink aplite dyklets. Trace patchy propylitic and potassic.							
						MD	GN	PA	PRO	1I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	GN		POT	1I		
									ARG	1I		
						LT	PK		PHC	1I		
120.60	124.47	3.87	GRD	MG	Zone of alternating patches of argillic, phyllic, propylitic, and potassic alterations. Potassic tends to overprint argillic alteration. The alterations produce mottled green, white, and pink colouration.							
						LT	WH		PHC	2I		
						LT	PK	MO	ARG	2I		
						MD	GN		POT	2I		
						LT	GN	PA	PRO	2I		
124.47	124.97	0.50	GRD	MG	Bonus vein zone: Significant veins of banded grey-smoky-white quartz and tan ankerite. These veins host blebby pyrite, honey brown sphalerite, blebby arsenopyrite, and trace blebby galena.							
						MD	GN	BN	PRO	3I	Gn	0.1
						LT	TN		SIL	2I	Sp	0.5
						MD	GY				Py	1
											As	0.5
124.97	131.98	7.01	GRD	MG	A wide proximal phyllic and distal argillic halo leading up to the contact with the quartz feldspar porphyry dyke. Potassic alteration overprints argillic halo. This interval is cut by cream carbonate-tan ankerite veinlets.							
						LT	GN					
						MD	GN		SIL	2I		
						LT	PK		ARG	3I		
						LT	WH	MO	PHC	3I		
						MD	GY	PA	POT	2I	Py	0.1
131.98	139.78	7.80	QFP	FG	Medium tan-grey hydrothermally altered quartz feldspar porphyry dyke with narrow gouge seams.							
						LT	GY	RX	CLY	2I		
						MD	TN	PO	HYD	4I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
139.78	145.03	5.25	GRD	MG	Granodiorite with patches of weak propylitic, silicification, and potassic alteration. Cut by 3 narrow veins with blebby pyrite.							
						MD	GY	PA	SIL	2I	Py	0.1
						MD	GN		PRO	2I		
						LT	PK		POT	1I		
145.03	158.77	13.74	GRD	MG	Alternating patches of fresher granodiorite and proximal phyllic and distal argillic halos on veins. Most veins are homogeneous blends of quartz-carbonate, while some are banded-intergrown quartz and tan ankerite. Veins with tan ankerite are more strongly mineralized, often with pyrite and honey brown sphalerite.							
						LT	WH	PA	ARG	3I	Py	0.1
						LT	PK	RX	PRO	1I	Sp	0.1
						LT	GN	MO	POT	2I		
						MD	GY		PHC	3I		
									SIL	2I		
158.77	159.67	0.90	VEN	FG	BRX Vein. Dominated by massive pyrite with interstitial quartz and rarer tankerite. Pyrite crystals along fractures are large (up to 1cm diameter) and very well formed. There is some blebby chalcopyrite intergrown with the pyrite, generally near the quartz. Bebby black jack sphalerite is hosted adjacent to tan ankerite. The upper selvedge of the massive pyrite consists of massive tan ankerite hosting blebby black jack sphalerite, honey brown sphalerite, blebby galena, and blebby pyrite. The lower selvedge is a band of grey quartz with blebby-banded galena, blebby honey brown sphalerite, blebby black jack sphalerite, blebby pyrite, and blebby arsenopyrite. There is gouge along the lower selvedge hosting disseminated pyrite.							
						MD	GY	XL			Sp	1
											As	1
						MD	BR	BN			Gn	1
						LT	TN	MA			Py	75
											Cp	1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
159.67	162.36	2.69	QFP	FG	Light grey-green to reddish hydrothermally altered quartz feldspar porphyry dyke cut by netted calcite stringers/veinlets. Gouge seams and a light grey quartz breccia. Gouge seams are found at top and bottom contacts of the dyke.							
						LT	GY	PO	HYD	4I		
						LT	GN	RX	CLY	2I		
						LT	RD	BX				
162.36	163.51	1.15	GRD	MG	BRX footwall zone. Mineralization is in a light grey quartz matrix breccia with clasts of dark grey quartz veining and phyllic granodiorite. There is a discontinuous band of galena along the lower selvedge of the breccia, along with blebby arsenopyrite, galena, pyrite, and black jack sphalerite. Breccia is vuggy, and there is some disseminated pyrite, black jack sphalerite, and arsenopyrite within the matrix.							
											As	1
						LT	GY	BX			Gn	2
						MD	GY	VU			Sp	1
											Py	1
163.51	169.77	6.26	GRD	MG	Alternating patches of proximal phyllic and distal argillic halos and fresher granodiorite. EOH							
						LT	PK		PRO	2I		
						LT	WH		POT	2I		
						LT	GN	MO	PHC	3I		
						MD	GY	PA	ARG	2I		

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
0.00	3.05	3.05	0	0	0.00	0	--	--	--	Casing/overburden. No recovery.
3.05	5.18	2.13	1.95	92	0.61	29	--	3H	2W	
5.18	8.23	3.05	2.51	82	2.04	67	--	4H	2W	
8.23	11.28	3.05	2.54	83	1.56	51	--	4H	2W	
11.28	14.33	3.05	2.94	96	1.84	60	--	4H	2W	
14.33	17.37	3.04	3.04	100	2.69	88	--	4H	2W	
17.37	20.42	3.05	3.05	100	2.82	92	--	4H	2W	
20.42	23.47	3.05	2.72	89	1.84	60	--	4H	2W	
23.47	26.52	3.05	2.92	96	2.25	74	--	3H	2W	
26.52	29.57	3.05	2.9	95	1.52	50	--	3H	2W	
29.57	32.61	3.04	2.99	98	1.03	34	--	3H	2W	
32.61	35.66	3.05	2.7	89	0.82	27	--	3H	2W	
35.66	38.71	3.05	2.98	98	2.23	73	--	4H	2W	
38.71	41.76	3.05	3.05	100	2.08	68	--	3H	2W	
41.76	44.81	3.05	3.01	99	2.22	73	--	4H	2W	
44.81	47.85	3.04	3.04	100	2.00	66	--	3H	1W	
47.85	50.90	3.05	2.61	86	0.60	20	--	2H	3W	
50.90	53.95	3.05	2.92	96	1.19	39	--	4H	2W	
53.95	57.00	3.05	2.98	98	1.82	60	--	3H	1W	
57.00	60.05	3.05	3.05	100	2.34	77	--	3H	1W	
60.05	63.09	3.04	3.04	100	2.80	92	--	3H	1W	
63.09	66.14	3.05	3.05	100	2.55	84	--	4H	1W	
66.14	69.19	3.05	3.03	99	2.78	91	--	4H	1W	
69.19	72.24	3.05	3.05	100	2.67	88	--	4H	1W	
72.24	75.29	3.05	3.04	100	2.56	84	--	4H	1W	
75.29	78.33	3.04	2.92	96	2.24	74	--	4H	1W	
78.33	81.38	3.05	3.05	100	2.83	93	--	4H	1W	
81.38	84.43	3.05	2.99	98	2.65	87	--	4H	1W	
84.43	87.48	3.05	3.05	100	2.35	77	--	3H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
87.48	90.53	3.05	3.05	100	1.82	60	--	3H	1W	
90.53	93.57	3.04	3	99	2.59	85	--	4H	1W	
93.57	96.62	3.05	3.01	99	2.71	89	--	4H	1W	
96.62	99.69	3.07	2.85	93	2.32	76	--	4H	1W	
99.69	102.72	3.03	3.02	100	2.27	75	--	4H	1W	
102.72	105.77	3.05	2.91	95	2.17	71	--	4H	1W	
105.77	108.81	3.04	3.03	100	2.98	98	--	4H	1W	
108.81	111.86	3.05	2.98	98	2.87	94	--	4H	1W	
111.86	114.91	3.05	3	98	1.82	60	--	4H	1W	
114.91	117.96	3.05	2.82	92	1.62	53	--	4H	1W	
117.96	121.01	3.05	2.88	94	0.91	30	--	4H	1W	
121.01	124.05	3.04	2.99	98	2.37	78	--	3H	1W	
124.05	127.10	3.05	3.05	100	2.71	89	--	4H	1W	
127.10	130.15	3.05	2.98	98	2.68	88	--	3H	1W	
130.15	133.20	3.05	3.05	100	2.21	72	--	3H	1W	
133.20	136.25	3.05	3.04	100	1.40	46	--	3H	1W	
136.25	139.30	3.05	2.94	96	2.10	69	--	3H	1W	
139.30	142.34	3.04	3.04	100	2.86	94	--	4H	1W	
142.34	145.39	3.05	3.05	100	2.21	72	--	4H	1W	
145.39	148.44	3.05	2.94	96	2.78	91	--	3H	1W	
148.44	151.49	3.05	3.04	100	2.74	90	--	4H	1W	
151.49	154.54	3.05	2.99	98	2.04	67	--	3H	1W	
154.54	157.58	3.04	3.04	100	2.57	85	--	3H	1W	
157.58	160.63	3.05	3.05	100	2.55	84	--	3H	1W	
160.63	163.68	3.05	3.05	100	2.06	68	--	3H	1W	
163.68	166.73	3.05	3.04	100	2.51	82	--	3H	1W	
166.73	169.77	3.04	3.04	100	2.91	96	--	4H	1W	

KL-15-264

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
0.00	0.00	0.00	-QC-	0.00	0	R610399	☐	15-065			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R610356	☐	15-060			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R610359	☐	15-060		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R610365	☐	15-060			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R610379	☐	15-065		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R610391	☐	15-065			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R610396	☐	15-065		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R610345	☐	15-060		KL-STD4	☐	☐	☐
16.20	16.50	0.30	GRD	0.30	100	R610340	☐	15-060			☐	☐	☐
24.22	25.12	0.90	GRD	0.85	94	R610341	☐	15-060			☐	☐	☐
31.60	33.95	2.35	GRD	1.20	51	R610342	☐	15-060			☐	☐	☐
31.60	33.95	2.35	GRD	1.20	51	R610343	☐	15-060			☐	☐	☑
33.95	36.16	2.21	GRD	1.73	78	R610344	☐	15-060			☐	☐	☐
36.16	37.75	1.59	GRD	1.55	97	R610346	☐	15-060			☐	☐	☐
55.66	56.14	0.48	GRD	0.45	94	R610347	☐	15-060			☐	☐	☐
56.14	56.81	0.67	GRD	0.61	91	R610348	☐	15-060			☐	☐	☐
56.81	57.35	0.54	GRD	0.44	81	R610349	☐	15-060			☐	☐	☐
57.35	58.23	0.88	GRD	0.88	100	R610350	☐	15-060			☐	☐	☐
58.23	58.53	0.30	GRD	0.30	100	R610351	☐	15-060			☐	☐	☐
79.74	80.80	1.06	GRD	1.06	100	R610352	☐	15-060			☐	☐	☐
80.80	81.10	0.30	GRD	0.30	100	R610353	☐	15-060			☐	☐	☐
81.10	81.48	0.38	GRD	0.37	97	R610354	☐	15-060			☐	☐	☐
81.48	81.78	0.30	GRD	0.30	100	R610355	☐	15-060			☐	☐	☐
81.78	82.72	0.94	GRD	0.93	99	R610357	☐	15-060			☐	☐	☐
82.72	84.43	1.71	GRD	0.65	38	R610358	☐	15-060			☐	☐	☐
84.43	85.94	1.51	GRD	1.48	98	R610360	☐	15-060			☐	☐	☐
85.94	86.36	0.42	GRD	0.42	100	R610361	☐	15-060			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
86.36	88.08	1.72	GRD	1.72	100	R610362	☐	15-060			☐	☐	☐
88.08	89.00	0.92	GRD	0.92	100	R610363	☐	15-060			☐	☐	☐
94.77	95.07	0.30	GRD	0.30	100	R610364	☐	15-060			☐	☐	☐
95.07	95.49	0.42	GRD	0.42	100	R610366	☐	15-060			☐	☐	☐
95.49	95.81	0.32	GRD	0.30	94	R610367	☐	15-060			☐	☐	☐
115.23	115.68	0.45	GRD	0.42	93	R610368	☐	15-060			☐	☐	☐
115.68	118.66	2.98	GRD	2.88	97	R610369	☐	15-060			☐	☐	☐
118.66	119.11	0.45	GRD	0.44	98	R610370	☐	15-060			☐	☐	☐
119.11	121.01	1.90	GRD	1.56	82	R610371	☐	15-065			☐	☐	☐
121.01	124.05	3.04	GRD	2.95	97	R610372	☐	15-065			☐	☐	☐
121.01	124.05	3.04	GRD	2.95	97	R610373	☐	15-065			☐	☐	☑
124.05	124.65	0.60	GRD	0.60	100	R610374	☐	15-065			☐	☐	☐
124.65	124.97	0.32	GRD	0.30	94	R499378	☐	15-068	High grade		☐	☐	☐
124.97	127.10	2.13	GRD, GRD	2.13	100	R610375	☐	15-065			☐	☐	☐
124.97	127.10	2.13	GRD, GRD	2.13	100	R610376	☐	15-065			☐	☑	☐
127.10	128.73	1.63	GRD	1.59	98	R610377	☐	15-065			☐	☐	☐
128.73	129.10	0.37	GRD	0.37	100	R610378	☐	15-065			☐	☐	☐
129.10	131.71	2.61	GRD	2.61	100	R610380	☐	15-065			☐	☐	☐
131.71	132.05	0.34	GRD	0.33	97	R610381	☐	15-065			☐	☐	☐
139.78	140.08	0.30	GRD, QFP	0.30	100	R610382	☐	15-065			☐	☐	☐
140.08	142.34	2.26	GRD	2.19	97	R610383	☐	15-065			☐	☐	☐
142.34	144.41	2.07	GRD	1.98	96	R610384	☐	15-065			☐	☐	☐
144.41	145.30	0.89	GRD	0.83	93	R610385	☐	15-065			☐	☐	☐
145.30	145.60	0.30	GRD	0.30	100	R610386	☐	15-065			☐	☐	☐
145.60	146.28	0.68	GRD	0.68	100	R610387	☐	15-065			☐	☐	☐
146.28	146.61	0.33	GRD	0.33	100	R610388	☐	15-065			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
146.61	148.08	1.47	GRD	1.21	82	R610389	☐	15-065			☐	☐	☐
148.08	148.44	0.36	GRD	0.36	100	R610390	☐	15-065			☐	☐	☐
148.44	149.43	0.99	GRD	0.99	100	R610392	☐	15-065			☐	☐	☐
149.43	152.15	2.72	GRD	2.47	91	R610393	☐	15-065			☐	☐	☐
152.15	153.58	1.43	GRD	1.43	100	R610394	☐	15-065			☐	☐	☐
153.58	155.28	1.70	GRD	1.45	85	R610395	☐	15-065			☐	☐	☐
155.28	156.46	1.18	GRD	1.14	97	R610397	☐	15-065			☐	☐	☐
156.46	156.79	0.33	GRD	0.33	100	R610398	☐	15-065			☐	☐	☐
156.79	158.62	1.83	GRD	1.75	96	R610400	☐	15-065			☐	☐	☐
158.62	159.67	1.05	GRD	1.04	99	R499379	☐	15-068	High grade		☐	☐	☐
159.67	161.04	1.37	VEN, QFP	1.33	97	R610401	☐	15-065			☐	☐	☐
161.04	162.36	1.32	QFP	1.19	90	R610402	☐	15-065			☐	☐	☐
162.36	162.82	0.46	GRD, QFP	0.44	96	R499380	☐	15-068	High grade		☐	☐	☐
162.82	163.54	0.72	GRD	0.70	97	R610403	☐	15-065			☐	☐	☐
163.54	164.38	0.84	GRD	0.84	100	R610404	☐	15-065			☐	☐	☐

Klaza - Klaza Project

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		382739	6890070	1390.93	494.69

ZONE: Central Klaza

SECTION:

HOLE: KL-15-265

CLAIM:

Contractor: Platinum

Drill: 2

Core Size: HQ

Casing Depth: 3.71m, Out

Drilling Dates: Jul 15 - Jul 21, 2015

Geology Logged By: D. Walsh

SURVEY			
Depth (m)	Azimuth	Dip	Method
5.18	34.3	-50.3	Reflex
492.86	44.9	-47.6	Reflex

TARGET:

SUMMARY			
From (m)	To (m)	Interval (m)	Rock Type
0	3.74	3.74	CAS
3.74	11.1	7.36	GRD
11.1	12.18	1.08	GRD
12.18	12.83	0.65	VEN
12.83	23.52	10.69	GRD
23.52	38.71	15.19	GRD
38.71	39.13	0.42	BXA
39.13	41.52	2.39	GRD
41.52	46.72	5.2	QFP
46.72	47.03	0.31	GRD
47.03	47.55	0.52	BXA
47.55	48.41	0.86	GRD
48.41	69.02	20.61	GRD
69.02	74.08	5.06	GRD
74.08	79.75	5.67	GRD
79.75	90.37	10.62	GRD

SAMPLES	
Numbers:	M675088 to M675408, R499373 to R499377, R499382 to R499383, R499389
Total:	329
Batch:	063, 064, 067, 068, 069, 071, 073, 074, 076, 078,
Certificates:	WH15105501, WH15106819, WH15106845, WH15106938, WH15106945, WH15106949, WH15108857, WH15108864, WH15108865, WH15108871, WH15108876, WH15112694,

COMMENTS

Downhole survey started 6' from EOH.

90.37	122.64	32.27	GRD
122.64	132.1	9.46	GRD
132.1	138.74	6.64	GRD
138.74	147.91	9.17	GRD
147.91	159.16	11.25	GRD
159.16	181.66	22.5	GRD
181.66	187.12	5.46	GRD
187.12	190.96	3.84	GRD
190.96	194.47	3.51	GRD
194.47	218.16	23.69	GRD
218.16	222.67	4.51	GRD
222.67	236.4	13.73	GRD
236.4	246.21	9.81	GRD
246.21	254.42	8.21	GRD
254.42	257.3	2.88	GRD
257.3	262.56	5.26	GRD
262.56	289.87	27.31	GRD
289.87	290.21	0.34	VEN
290.21	297.32	7.11	QFP
297.32	297.91	0.59	GRD
297.91	300.5	2.59	QFP
300.5	309.25	8.75	GRD
309.25	316.94	7.69	QFP
316.94	329.23	12.29	GRD
329.23	351.15	21.92	GRD
351.15	402.4	51.25	GRD
402.4	407.85	5.45	QFP
407.85	411.8	3.95	GRD
411.8	414.83	3.03	GRD
414.83	419.31	4.48	GRD
419.31	421.38	2.07	GRD
421.38	422.95	1.57	VOL

422.95	428.67	5.72	GRD
428.67	455.16	26.49	GRD
455.16	461.84	6.68	GRD
461.84	479.08	17.24	VOL
479.08	480.79	1.71	VOL
480.79	490.25	9.46	QFP
490.25	494.69	4.44	GRD

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
3.74	11.10	7.36	GRD	MG	Moderate to strongly pervasively oxidized alternating patches of weak to moderate phyllic alteration and moderate argillic alteration.							
						MD	OR	PA	OXI	3I		
						LT	WH		OXI	4I		
						LT	GN		ARG	3I		
									PHC	2I		
									PHC	3I		
11.10	12.18	1.08	GRD	MG	Silicified moderate propyllitic altered granodiorite with patchy weak propyllitic alteration. Strong oxidation along fracture surfaces.							
						MD	GN		SIL	4I		
						MD	OR		PRO	2I		
						DK	GN		PHC	3I		
12.18	12.83	0.65	VEN	MG	Fractured milky white quartz vein with interstitial grey quartz and oxidized carbonate. The first 14cm has interstitial carbonate and hosts disseminated to blebby pyrite and galena. The rest of the vein hosts blebby pyrite. Fractures hosts strong oxidation.							
						LT	WH	FR	OXI	4I	Gn	3
						DK	OR				Py	2
12.83	23.52	10.69	GRD	MG	Strongly silicified moderate phyllic altered granodiorite. Strong oxidation along fracture surfaces and patchy pervasive alteration. Host sporadic patches of disseminated black tourmaline.							
						MD	GY		OXI	4I		
						MD	OR		SIL	4I		
						MD	GN		PHC	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
23.52	38.71	15.19	GRD	MG	Intensely silica flooded granodiorite. Intense silica flooding almost completely obliterates rock textures. Granodiorite appears to have initially been oxidized phyllic altered granodiorite. Hosts sporadic patches of disseminated black tourmaline. Rock is highly fractured and oxidized along fracture surfaces.							
						MD	OR	FR	OXI	3I	To	0.1
						MD	GY		OXI	4I		
									PHC	3I		
									SIL	5I		
38.71	39.13	0.42	BXA	--	Smoky quartz/massive sulphide vein brecciated by oxidized white carbonate. Quartz clasts hosts blebby to semi-massive galena, disseminated to blebby pyrite, sphalerite and disseminated arsenopyrite. Carbonate also has interstitial grey chalcedony.							
						MD	OR				Sp	2
						LT	WH				Py	2
						DK	GY	BX	OXI	3I	Gn	6
											As	1
39.13	41.52	2.39	GRD	MG	Significantly gouge altered and strongly pervasively oxidized moderate phyllic altered granodiorite. Relic rock textures are almost completely obliterate by silica flooding, oxidation and gouge alteration. Has rubbly patches.							
						MD	OR	RB	OXI	3I		
						MD	GY		SIL	4I		
									PHC	3I		
41.52	46.72	5.20	QFP	FG	Intensely silicified grey/brown/light tan quartz feldspar porphyry dyke that has patchy partial gouge alteration and rubbly patches. Fractures are oxidized proximal to dyke contacts with granodiorite.							
						MD	BN	RB	OXI	3I		
						MD	GY	PO	SIL	4I		
						LT	TN					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
46.72	47.03	0.31	GRD	MG	Significantly gouge altered and pervasively oxidized phyllic granodiorite.							
						MD	GY		OXI	4I		
						MD	OR		PHC	3I		
47.03	47.55	0.52	BXA	--	Multiphase breccia. Smoky quartz breccia that is brecciated by light tan ankerite and cut by grey chalcedony veins. All phases are cut by white carbonate. Breccia hosts disseminated to blebby pyrite, galena and sphalerite and disseminated arsenopyrite. Moderate oxidation along fracture surfaces.							
						MD	OR				As	1
						DK	GY	BX	OXI	3I	Py	1
											Gn	5
											Sp	3
47.55	48.41	0.86	GRD	MG	Strongly silica flooded phyllic altered granodiorite hosting disseminated to blebby pyrite and polymetallic veining. Moderate oxidation along fractures.							
						MD	GY		SIL	4I	Py	3
						MD	GN		PHC	3I		
						MD	OR		OXI	3I		
48.41	58.48	10.07	GRD	MG	Moderately silicified, moderately phyllic altered granodiorite with patches of strong silicification around veining. Also has patches of weak argillic alteration.							
						MD	GN		SIL	3I		
									PHC	3I		
									SIL	4I		
58.48	63.60	5.12	GRD	MG	Alternation patches of silicified phyllic alteration and weak propyllitic/moderate argillic alteration. Has patches of strong gouge alteration. Has multiple rubbly patches.							
						MD	GY	RB	ARG	3I		
						MD	GN		PRO	2I		
						LT	WH		SIL	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						DK	GN		PHC	3I		
63.60	67.31	3.71	GRD	MG	Silicified moderate phyllic altered granodiorite with patchy pervasive moderate argillic alteration. Interval is very rubbly.							
						MD	GN	RB	SIL	3I		
						MD	OR		PHC	3I		
									OXI	3I		
67.31	69.02	1.71	GRD	MG	Strongly gouge altered phyllic granodiorite.							
						MD	GY		PHC	3I		
						LT	GN					
69.02	74.08	5.06	GRD	MG	Weakly potassic/propyllitic altered and moderately phyllic altered granodiorite.							
						MD	PK		PRO	2I		
						LT	WH		ARG	3I		
						DK	GN		POT	2I		
74.08	79.75	5.67	GRD	MG	Faulted and extremely rubbly, weak propyllitic/potassic altered granodiorite with patchy weak argillic alteration.							
						MD	GY	RB	PRO	2I		
						MD	PK		ARG	2I		
						DK	GN		POT	2I		
79.75	90.37	10.62	GRD	MG	Silicified moderately phyllic altered granodiorite with patchy partial gouge alteration zones. Weak oxidation along fracture surfaces.							
						MD	GN		SIL	3I		
						LT	GN		PHC	3I		
									OXI	2I		
90.37	92.06	1.69	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite.							
						MD	GY		PRO	1I		
						MD	PK		POT	1I		
						DK	GN		PRO	2I		
									POT	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
92.06	92.91	0.85	GRD	MG	Moderate phyllic altered granodiorite with patchy moderate potassic/argillic alteration. Hosts a banded carbonate vein.							
						MD	GN	EN	PHC	3I		
						MD	PK		ARG	3I		
						LT	WH		POT	3I		
92.91	108.42	15.51	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite.							
						MD	PK		POT	1I		
						MD	GY		PRO	1I		
						DK	GN		PRO	2I		
									POT	2I		
108.42	109.87	1.45	GRD	MG	Silicified moderate to strongly phyllic altered granodiorite. Hosts a polymetallic quartz/carbonate vein and quartz/pyrite/tourmaline breccia.							
						MD	GN	BX	SIL	2I		
						MD	GY		PHC	4I		
						LT	WH		PHC	3I		
						LT	GN					
109.87	118.12	8.25	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite.							
						MD	PK		POT	1I		
						MD	GY		PRO	1I		
						DK	GN		PRO	2I		
									POT	2I		
118.12	119.22	1.10	GRD	MG	Weak phyllic/propyllitic altered granodiorite. Transitions to moderate potassic/propyllitic/argillic alteration with depth.							
						MD	PK		ARG	3I		
						LT	GN		PHC	2I		
						LT	WH		PRO	3I		
						DK	GN		PRO	2I		
									POT	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
119.22	122.64	3.42	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite.							
						MD	PK		POT	1I		
						MD	GY		PRO	1I		
						DK	GN		PRO	2I		
									POT	2I		
122.64	123.42	0.78	GRD	MG	Moderate argillic/propyllitic/potassic altered granodiorite.							
						MD	PK		PRO	3I		
						LT	WH		POT	3I		
						DK	GN		ARG	3I		
123.42	126.35	2.93	GRD	MG	Silicified moderate phyllic altered granodiorite. Hosts multiple polymetallic quartz/carbonate veins.							
						MD	GN		PHC	3I		
						LT	GN		SIL	3I		
126.35	127.64	1.29	GRD	MG	Moderate argillic/propyllitic/potassic altered granodiorite							
						MD	PK		PRO	3I		
						LT	WH		POT	3I		
						DK	GN		ARG	3I		
127.64	132.10	4.46	GRD	MG	Weak to moderate phyllic altered granodiorite. Hosts multiple and gouge alteration zones.							
						MD	GN		PHC	3I		
						LT	GY					
						LT	GN		PHC	2I		
132.10	138.74	6.64	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite.							
						MD	GY		PRO	1I		
						MD	PK		POT	1I		
						DK	GN		PRO	2I		
									POT	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
138.74	147.91	9.17	GRD	MG	Weak to moderately phyllic altered granodiorite with patchy weak to moderate propyllitic alteration. Interval is fairly broken up but not rubbly.							
						MD	GN		PHC	3I		
						LT	GN		PHC	2I		
						DK	GN		PRO	2I		
									PRO	3I		
147.91	153.73	5.82	GRD	MG	Weak potassic/propyllitic overprinted moderate argillic alteration with patchy moderate propyllitic alteration. Argillic altered granodiorite is less competent and more broken up.							
						MD	GN		PRO	3I		
						MD	PK		PRO	2I		
						LT	WH	PA	ARG	3I		
									POT	2I		
153.73	155.84	2.11	GRD	MG	Moderate phyllic envelope hosting a polymetallic quartz/sulphide veinlet.							
						MD	GN					
						LT	GN	EN	PHC	3I		
155.84	159.16	3.32	GRD	MG	Weak potassic/propyllitic overprinted moderate argillic alteration with patchy moderate propyllitic alteration. Argillic altered granodiorite is less competent and more broken up.							
						MD	GN		PRO	3I		
						MD	PK		PRO	2I		
						LT	WH		ARG	3I		
									POT	2I		
159.16	169.00	9.84	GRD	MG	Weak to moderate propyllitic altered granodiorite with patchy weak to moderate argillic alteration. Interval contains many rubbly patches.							
						MD	GY	RB	PRO	2I		
						LT	WH		ARG	2I		
						DK	GN		PRO	3I		
									ARG	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
169.00	170.10	1.10	GRD	MG	Rubbly and broken up weakly propyllitic and moderately argillic altered granodiorite.							
						LT	WH	RB	PRO	2I		
						DK	GN		ARG	3I		
170.10	173.59	3.49	GRD	MG	Weak to moderate propyllitic altered granodiorite with patchy weak to moderate argillic alteration.							
						MD	GY		PRO	2I		
						LT	WH		ARG	2I		
						DK	GN		PRO	3I		
									ARG	3I		
176.01	181.66	5.65	GRD	MG	Weak to moderate propyllitic altered granodiorite with patchy weak to moderate argillic alteration.							
						MD	GY		PRO	2I		
						LT	WH		ARG	2I		
						DK	GN		PRO	3I		
									ARG	3I		
181.66	187.12	5.46	GRD	MG	Silicified moderate phyllic and weak to moderately propyllitic altered granodiorite. Hosts quartz/carbonate veining in the lower third of the interval. Hosts trace disseminated pyrite.							
						MD	GN		SIL	3I	Py	0.1
						LT	GN		PHC	3I		
						DK	GN		PRO	2I		
									PRO	3I		
187.12	190.96	3.84	GRD	MG	Weakly phyllic overprinted weak propyllitic and moderately argillic altered granodiorite.							
						LT	WH		ARG	3I		
						LT	GN		PHC	2I		
						DK	GN		PRO	2I		
190.96	194.47	3.51	GRD	MG	Silicified moderate phyllic and weak to moderately propyllitic altered granodiorite. Hosts quartz/carbonate veining and a large vug with stubby prismatic calcite.							
						MD	GN		PHC	3I		
						LT	GN		PRO	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						DK	GN		PRO	3I		
									SIL	3I		
194.47	206.76	12.29	GRD	MG	Weak to moderate propyllitic altered granodiorite with patchy weak to moderate argillic alteration. Interval contains many rubbly patches.							
						MD	GY	RB	PRO	2I		
						LT	WH		ARG	2I		
						DK	GN		PRO	3I		
									ARG	3I		
206.76	215.40	8.64	GRD	MG	Alternating patches weak to moderate propyllitic/phyllic alteration, moderate propyllitic/potassic alteration and moderate phyllic alteration. Phyllic patches hosts minor white carbonate veinlets.							
						MD	GN		PHC	3I		
						LT	GN	PA	PHC	2I		
						LT	PK		PRO	3I		
						DK	GN		PRO	2I		
									POT	3I		
215.40	218.16	2.76	GRD	MG	Weak propyllitic/potassic altered granodiorite.							
						MD	PK					
						MD	GY		POT	2I		
						DK	GN		PRO	2I		
218.16	222.67	4.51	GRD	MG	Weak to moderate potassic argillic altered granodiorite with small phyllic overprinting envelopes occurring around minor carbonate veinlets throughout the interval, ~3 per meter.							
						MD	PK		ARG	3I		
						LT	WH		ARG	2I		
						LT	GN		POT	2I		
									POT	3I		
									PHC	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
222.67	236.40	13.73	GRD	MG	Silicified moderate phyllic altered granodiorite with patch weak propyllitic alteration. Hosts an abundance of quartz/sulphide veining along with two large smoky quartz veins, a large quartz/carbonate/sulphide vein and a few gouge zones.							
						MD	GN		PHC	3I		
						LT	GN		PRO	2I		
						DK	GN					
236.40	246.21	9.81	GRD	MG	Alternating patches weak to moderate propyllitic/phyllic alteration, moderate propyllitic/potassic alteration and moderate phyllic alteration. Phyllic patches hosts minor white carbonate veinlets. Sporadic patches of gouge alteration.							
						MD	GN		PRO	3I		
						MD	PK		PHC	2I		
						LT	GN	PA	PRO	2I		
						DK	GN		PHC	3I		
									POT	3I		
246.21	254.42	8.21	GRD	MG	Weak to moderate propyllitic/potassic altered granodiorite with patchy potassic/propyllitic overprinted argillic alteration.							
						MD	GY	PA	PRO	2I		
						MD	PK		POT	2I		
						LT	WH		POT	3I		
						DK	GN		PRO	3I		
									ARG	3I		
254.42	257.30	2.88	GRD	MG	Moderate phyllic altered granodiorite with patchy moderate propyllitic altered granodiorite. Hosts a medium sized polymetallic quartz/sulphide vein.							
						MD	GN		PRO	2I		
						LT	GN	EN	PHC	3I		
						DK	GN		PRO	3I		
257.30	259.32	2.02	GRD	MG	Moderate propyllitic/potassic altered granodiorite.							
						MD	GN		PRO	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	PK		POT	3I		
259.32	260.52	1.20	GRD	MG	Moderate phyllic envelope surrounding a quartz/carbonate/sulphide vein.							
						MD	GN	EN	PHC	3I		
						LT	GN					
260.52	262.56	2.04	GRD	MG	Silicified moderate propyllitic altered granodiorite.							
						MD	GY		SIL	3I		
						MD	GN		PRO	3I		
						DK	GN					
262.56	289.87	27.31	GRD	MG	Silicified moderate to strongly phyllic altered granodiorite with patchy weak propyllitic alteration. Hosts disseminated pyrite, multiple quartz/carbonate/sulphides veins, veinlets and a few mineralized gouge zones.							
						MD	GN		PHC	4I		
						LT	GN		PHC	3I	Py	1
						DK	GN		SIL	3I		
289.87	290.21	0.34	VEN	--	Massive sulphide vein hosting massive zoned honey brown sphalerite and black jack sphalerite, disseminated to blebby pyrite, galena and chalcopyrite. Vein is crosscut by white carbonate stringers.							
								MA			Sp	75
											Ch	5
											Py	15
											Gn	5
290.21	297.32	7.11	QFP	FG	Light grey/green quartz feldspar porphyry dyke.							
						LT	GN	PO				
						LT	GY					
297.32	297.91	0.59	GRD	MG	Silicified strongly phyllic altered granodiorite hosting disseminated pyrite.							
						MD	GN		SIL	3I		
						MD	GY					
						LT	GY		PHC	4I	Py	1
						LT	GN					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
297.91	300.50	2.59	QFP	MG	Light grey/green quartz feldspar porphyry dyke.							
						LT	GY	PO				
						LT	GN					
300.50	309.25	8.75	GRD	MG	Silicified weak to moderate phyllic altered granodiorite with patchy moderate potassic alteration. Hosts multiple quartz/carbonate/sulphide veins.							
						MD	PK		PHC	3I		
						LT	GY		SIL	3I		
						LT	GN		SIL	4I		
									PHC	2I		
									POT	3I		
309.25	316.94	7.69	QFP	FG	Light grey/green quartz feldspar porphyry dyke.							
						LT	GY	PO				
						LT	GN					
316.94	329.23	12.29	GRD	MG	Strongly silicified moderate to strongly phyllic altered granodiorite. Hosts sporadic quartz/pyrite veins and trace disseminated pyrite.							
						LT	GN		PHC	3I		
						LT	GY		SIL	4I	Py	0.1
									PHC	4I		
329.23	329.78	0.55	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite.							
						MD	GY		PRO	1I		
						MD	PK		POT	1I		
						DK	GN		PRO	2I		
									POT	2I		
329.78	330.29	0.51	GRD	MG	Silicified moderate phyllic envelope surrounding two quartz/carbonate/sulphide veins.							
						MD	GN		SIL	3I		
						LT	GN	EN	PHC	3I		
330.29	339.29	9.00	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite.							
						MD	PK		POT	1I		
						MD	GY		PRO	1I		
						DK	GN		PRO	2I		
									POT	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
339.29	340.07	0.78	GRD	MG	Silicified moderate phyllic envelope surrounding two quartz/carbonate/sulphide veins.							
						MD	GN		PHC	3I		
						LT	GN		SIL	3I		
340.07	346.56	6.49	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite.							
						MD	GY		PRO	1I		
						MD	PK		POT	1I		
						DK	GN		PRO	2I		
									POT	2I		
346.56	351.15	4.59	GRD	MG	Silicified moderate propyllitic/potassic altered granodiorite.							
						MD	PK		POT	3I		
						MD	GY		SIL	3I		
						DK	GN		PRO	3I		
351.15	374.74	23.59	GRD	MG	Primarily weak to moderate phyllic altered granodiorite with patchy moderate potassic altered granodiorite. Areas of stronger phyllic alteration host quartz/carbonate/sulphide veining. Sporadic rubbly and highly fractured patches throughout the interval.							
						MD	GN		PHC	3I		
						MD	PK		POT	3I		
						LT	GN		PHC	2I		
						LT	GY					
374.74	376.64	1.90	GRD	MG	Silicified weak propyllitic/phyllic altered granodiorite.							
						MD	GN					
						LT	GY					
						LT	GN					
						DK	GN					
376.64	388.10	11.46	GRD	MG	Primarily weak to moderate phyllic altered granodiorite with patchy moderate potassic altered granodiorite. Areas of stronger phyllic alteration host quartz/carbonate/sulphide veining and/or black breccia. Sporadic rubbly and highly fractured patches throughout the interval.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	PK		POT	3I		
						MD	GN		PHC	3I		
						LT	GY					
						LT	GN		PHC	2I		
388.10	389.70	1.60	GRD	MG	Silicified moderately propyllitic altered granodiorite.							
						MD	GN		PRO	3I		
						MD	GY		SIL	3I		
389.70	392.91	3.21	GRD	MG	Silicified moderate phyllic altered granodiorite hosts minor quartz/carbonate/sulphide veinlets.							
						MD	GN		PHC	3I		
						LT	GN		SIL	3I		
392.91	395.33	2.42	GRD	MG	Silicified weak to moderate potassic/propyllitic altered granodiorite with patchy weak phyllic alteration.							
						MD	GY		PHC	2I		
						MD	GN		PRO	3I		
						LT	GN		POT	2I		
						DK	GN		PRO	2I		
									POT	3I		
									SIL	3I		
395.33	402.40	7.07	GRD	MG	Primarily moderate phyllic altered granodiorite with patchy moderate potassic altered granodiorite. Areas of stronger phyllic alteration host quartz/carbonate/sulphide veining.							
						MD	GN		SIL	3I		
						MD	PK		POT	3I		
						LT	GY					
						LT	GN		PHC	3I		
402.40	407.85	5.45	QFP	FG	Grey/tan quartz feldspar porphyry dyke.							
						MD	GY	PO				
						MD	TN					
407.85	409.81	1.96	GRD	MG	Silicified weak to moderately propyllitic altered granodiorite with patchy weak phyllic alteration.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GY		SIL	3I		
						MD	GN		PRO	3I		
						LT	GN		PRO	2I		
						DK	GN		PHC	2I		
409.81	410.89	1.08	GRD	MG	Silicified moderate potassic/argillic altered granodiorite with small moderate phyllic envelopes around a few minor quartz/carbonate/sulphide veinlets.							
						MD	PK		POT	3I		
						LT	WH	EN	ARG	3I		
						LT	GN		PHC	3I		
410.89	411.80	0.91	GRD	MG	Silicified weak to moderately propyllitic altered granodiorite.							
						MD	GY		PRO	3I		
						DK	GN		SIL	3I		
411.80	414.83	3.03	GRD	MG	Silicified moderately phyllic altered granodiorite hosting multiple polymetallic quartz/carbonate/sulphide veins and a black breccia vein.							
						MD	GN		PHC	3I		
						LT	GN	EN	SIL	3I		
414.83	419.31	4.48	GRD	MG	Weak potassic/propyllitic altered granodiorite.							
						MD	PK		PRO	2I		
						MD	GY		POT	2I		
						DK	GN					
419.31	421.38	2.07	GRD	MG	Moderately phyllic altered granodiorite with patches of weak propyllitic alteration. Hosts trace disseminated pyrite.							
						MD	GN		PRO	2I		
						LT	GN		PHC	3I	Py	1
						DK	GN					
421.38	422.95	1.57	MAF	VF	Dark grey mafic dyke. Dyke is patchily magnetic and hosts disseminated pyrite. Dyke is cut by multiple white carbonate stringers at varying orientations.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						DK	GY				Py	1
422.95	428.67	5.72	GRD	MG	Silicified alternating patches of weak to moderate phyllic alteration and weak propyllitic alteration.							
						MD	GY	PA	SIL	3I		
						MD	GN		PHC	3I		
						LT	GN		PRO	2I		
						DK	GN		PHC	2I		
428.67	455.16	26.49	GRD	MG	Silicified moderate phyllic altered granodiorite with patchy weak propyllitic alteration. Hosts multiple spread out quartz/carbonate/sulphide veins and sporadic quartz/pyrite blebs.							
						MD	GN		PRO	2I		
						LT	GN		PHC	3I		
						DK	GN		SIL	3I		
455.16	461.84	6.68	GRD	MG	Moderate to strongly silicified weak to moderately potassic/propyllitic alerted granodiorite.							
						MD	GY					
						MD	PK					
						DK	GN					
461.84	462.14	0.30	VOL	VF	Medium grey Mount Nansen volcanic at contact with granodiorite. Volcanic appears to be weakly argillic or clay altered.							
						MD	GY		ARG	2I	Py	1
462.14	463.00	0.86	GRD	MG	Partially gouge altered weakly brecciated zone of weak phyllic/argillic altered granodiorite and light grey/green Mount Nansen volcanic.							
						LT	GN	BX	PHC	3I		
						LT	WH		ARG	3I		
						LT	GY					
463.00	471.47	8.47	VOL	VF	Light grey/green Mount Nansen volcanic. Hosts pervasive trace disseminated pyrite.							
						LT	GY					
						LT	GN					
471.47	471.64	0.17	VOL	VF	Moderate to strong propyllitic envelope surrounding at polymetallic smoky quartz vein.							
						DK	GN	EN	PRO	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
									PRO	4I		
471.64	479.08	7.44	VOL	VF	Light grey/green Mount Nansen volcanic. Hosts pervasive trace disseminated pyrite.							
						LT	GN					
						LT	GY					
479.08	480.79	1.71	MAF	VF	Dark grey mafic "stealth fighter" dyke. Dyke is patchily magnetic and hosts disseminated pyrite. Dyke is cut by multiple white carbonate stringers at varying orientations.							
						DK	GY				Py	0.1
480.79	490.25	9.46	QFP	FG	Light grey/green/tan quartz feldspar porphyry dyke. Many fracture surfaces contain grey gouge.							
						LT	TN	PO				
						LT	GN					
						LT	GY					
490.25	494.69	4.44	GRD	MG	Weak potassic/propyllitic altered granodiorite. Host ~2 white carbonate veinlets per meter, each has its own small weak phyllic halo.							
						MD	PK					
						MD	GY		PRO	2I		
						DK	GN		POT	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
3.74	11.10	7.36	GRD	MG	Moderate to strongly pervasively oxidized alternating patches of weak to moderate phyllic alteration and moderate argillic alteration.							
						MD	OR	PA	OXI	3I		
						LT	WH		OXI	4I		
						LT	GN		ARG	3I		
									PHC	2I		
									PHC	3I		
11.10	12.18	1.08	GRD	MG	Silicified moderate propyllitic altered granodiorite with patchy weak propyllitic alteration. Strong oxidation along fracture surfaces.							
						MD	GN		SIL	4I		
						DK	GN		PHC	3I		
						MD	OR		PRO	2I		
12.18	12.83	0.65	VEN	MG	Fractured milky white quartz vein with interstitial grey quartz and oxidized carbonate. The first 14cm has interstitial carbonate and hosts disseminated to blebby pyrite and galena. The rest of the vein hosts blebby pyrite. Fractures hosts strong oxidation.							
						LT	WH	FR	OXI	4I	Gn	3
						DK	OR				Py	2
12.83	23.52	10.69	GRD	MG	Strongly silicified moderate phyllic altered granodiorite. Strong oxidation along fracture surfaces and patchy pervasive alteration. Host sporadic patches of disseminated black tourmaline.							
						MD	GY		OXI	4I		
						MD	OR		SIL	4I		
						MD	GN		PHC	3I	To	0.1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
23.52	38.71	15.19	GRD	MG	Intensely silica flooded granodiorite. Intense silica flooding almost completely obliterates rock textures. Granodiorite appears to have initially been oxidized phyllic altered granodiorite. Hosts sporadic patches of disseminated black tourmaline. Rock is highly fractured and oxidized along fracture surfaces.							
						MD	OR	FR	OXI	3I	To	0.1
						MD	GY		OXI	4I		
									PHC	3I		
									SIL	5I		
38.71	39.13	0.42	BXA	--	Smoky quartz/massive sulphide vein brecciated by oxidized white carbonate. Quartz clasts hosts blebby to semi-massive galena, disseminated to blebby pyrite, sphalerite and disseminated arsenopyrite. Carbonate also has interstitial grey chalcedony.							
						DK	GY	BX	OXI	3I	Gn	6
						MD	OR				Sp	2
											As	1
						LT	WH				Py	2
39.13	41.52	2.39	GRD	MG	Significantly gouge altered and strongly pervasively oxidized moderate phyllic altered granodiorite. Relic rock textures are almost completely obliterate by silica flooding, oxidation and gouge alteration. Has rubbly patches. Hosts a large quartz/carbonate polymetallic breccia similar to 38.17-39.13m.							
									PHC	3I		
						MD	GY		SIL	4I		
						MD	OR	RB	OXI	3I		
41.52	46.72	5.20	QFP	FG	Intensely silicified grey/brown/light tan quartz feldspar porphyry dyke that has patchy partial gouge alteration and rubbly patches. Fractures are oxidized proximal to dyke contacts with granodiorite.							
						LT	TN					
						MD	GY	PO	SIL	4I		
						MD	BN	RB	OXI	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
46.72	47.03	0.31	GRD	MG	Significantly gouge altered and pervasively oxidized phyllic granodiorite.							
						MD	GY		OXI	4I		
						MD	OR		PHC	3I		
47.03	47.55	0.52	BXA	--	Multiphase breccia. Smoky quartz breccia that is brecciated by light tan ankerite and cut by grey chalcedony veins. All phases are cut by white carbonate. Breccia hosts disseminated to blebby pyrite, galena and sphalerite and disseminated arsenopyrite. Moderate oxidation along fracture surfaces.							
											As	1
											Py	1
						MD	OR				Sp	3
						DK	GY	BX	OXI	3I	Gn	5
47.55	48.41	0.86	GRD	MG	Strongly silica flooded phyllic altered granodiorite hosting disseminated to blebby pyrite and polymetallic veining. Moderate oxidation along fractures.							
						MD	GY		SIL	4I	Py	3
						MD	GN		PHC	3I		
						MD	OR		OXI	3I		
48.41	69.02	20.61	GRD	MG	Moderately silicified, moderately phyllic altered granodiorite with patches of strong silicification around veining. Also has patches of weak argillic alteration.							
						MD	GN		SIL	3I		
									SIL	4I		
									PHC	3I		
69.02	74.08	5.06	GRD	MG	Weakly potassic/propyllitic altered and moderately phyllic altered granodiorite.							
						LT	WH		ARG	3I		
						MD	PK		PRO	2I		
						DK	GN		POT	2I		
74.08	79.75	5.67	GRD	MG	Faulted and extremely rubbly, weak propyllitic/potassic altered granodiorite with patchy weak argillic alteration.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GY	RB	PRO	2I		
						DK	GN		POT	2I		
						MD	PK		ARG	2I		
79.75	90.37	10.62	GRD	MG	Silicified moderately phyllic altered granodiorite with patchy partial gouge alteration zones. Weak oxidation along fracture surfaces.							
						MD	GN		SIL	3I		
						LT	GN		PHC	3I		
									OXI	2I		
90.37	122.64	32.27	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite. Sporadic phyllic envelopes surrounding quartz/carbonate +/- sulphide veins.							
						DK	GN		PRO	2I		
						MD	PK		POT	1I		
						MD	GY		PRO	1I		
									POT	2I		
122.64	132.10	9.46	GRD	MG	Silicified moderate phyllic altered granodiorite with patchy moderate argillic/propyllitic/potassic altered granodiorite. Hosts multiple polymetallic quartz/carbonate veins and gouge zones.							
						MD	GN		PHC	3I		
						LT	GN		SIL	3I		
						DK	GN		ARG	3I		
						MD	PK		PRO	3I		
						LT	WH		POT	3I		
132.10	138.74	6.64	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite.							
						MD	PK		POT	1I		
									POT	2I		
						MD	GY		PRO	1I		
						DK	GN		PRO	2I		
138.74	147.91	9.17	GRD	MG	Weak to moderately phyllic altered granodiorite with patchy weak to moderate propyllitic alteration. Interval is fairly broken up but not rubbly.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	GN		PHC	2I		
						MD	GN		PHC	3I		
						DK	GN		PRO	2I		
									PRO	3I		
147.91	159.16	11.25	GRD	MG	Weak potassic/propyllitic overprinted moderate argillic alteration with patchy moderate propyllitic alteration. Argillic altered granodiorite is less competent and more broken up.							
						LT	WH	PA	ARG	3I		
						MD	GN		PRO	3I		
									POT	2I		
						MD	PK		PRO	2I		
159.16	181.66	22.50	GRD	MG	Weak to moderate propyllitic altered granodiorite with patchy weak to moderate argillic alteration. Interval contains many rubbly patches.							
						LT	WH		ARG	2I		
									ARG	3I		
						DK	GN		PRO	3I		
						MD	GY	RB	PRO	2I		
181.66	187.12	5.46	GRD	MG	Silicified moderate phyllic and weak to moderately propyllitic altered granodiorite. Hosts quartz/carbonate veining in the lower third of the interval. Hosts trave disseminated pyirte.							
						LT	GN		PHC	3I		
						DK	GN		PRO	2I		
									PRO	3I		
						MD	GN		SIL	3I	Py	0.1
187.12	190.96	3.84	GRD	MG	Weakly phyllic overprinted weak propyllitic and moderately argillic altered granodiorite.							
						LT	WH		ARG	3I		
						LT	GN		PHC	2I		
						DK	GN		PRO	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
190.96	194.47	3.51	GRD	MG	Silicified moderate phyllic and weak to moderately propyllitic altered granodiorite. Hosts quartz/carbonate veining and a large vug with stubby prismatic calcite.							
						MD	GN		PHC	3I		
						DK	GN		PRO	3I		
						LT	GN		PRO	2I		
									SIL	3I		
194.47	218.16	23.69	GRD	MG	Weak to moderate propyllitic altered granodiorite with patchy weak to moderate argillic alteration. Interval contains many rubbly patches.							
									ARG	3I		
						LT	WH		ARG	2I		
						MD	GY	RB	PRO	2I		
						DK	GN		PRO	3I		
218.16	222.67	4.51	GRD	MG	Weak to moderate potassic argillic altered granodiorite with small phyllic overprinting envelopes occurring around minor carbonate veinlets throughout the interval, ~3 per meter.							
						LT	GN		POT	2I		
									PHC	2I		
						LT	WH		ARG	2I		
						MD	PK		ARG	3I		
									POT	3I		
222.67	236.40	13.73	GRD	MG	Silicified moderate phyllic altered granodiorite with patch weak propyllitic alteration. Hosts an abundance of quartz/sulphide veining along with two large smoky quartz veins, a large quartz/carbonate/sulphide vein and a few gouge zones.							
						DK	GN					
						LT	GN		PRO	2I		
						MD	GN		PHC	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
236.40	246.21	9.81	GRD	MG	Alternating patches weak to moderate propyllitic/phyllic alteration, moderate propyllitic/potassic alteration and moderate phyllic alteration. Phyllic patches hosts minor white carbonate veinlets. Sporadic patches of gouge alteration.							
						MD	PK		PHC	2I		
						LT	GN	PA	PRO	2I		
						DK	GN		PHC	3I		
						MD	GN		PRO	3I		
									POT	3I		
246.21	254.42	8.21	GRD	MG	Weak to moderate propyllitic/potassic altered granodiorite with patchy potassic/propyllitic overprinted argillic alteration.							
						MD	PK		POT	2I		
						DK	GN		PRO	3I		
						MD	GY	PA	PRO	2I		
									ARG	3I		
						LT	WH		POT	3I		
254.42	257.30	2.88	GRD	MG	Moderate phyllic altered granodiorite with patchy moderate propyllitic altered granodiorite. Hosts a medium sized polymetallic quartz/sulphide vein.							
						DK	GN		PRO	3I		
						MD	GN		PRO	2I		
						LT	GN	EN	PHC	3I		
257.30	262.56	5.26	GRD	MG	Moderate propyllitic/potassic altered granodiorite .							
						MD	PK		POT	3I		
						MD	GN		PRO	3I		
262.56	289.87	27.31	GRD	MG	Silicified moderate to strongly phyllic altered granodiorite with patchy weak propyllitic alteration. Hosts disseminated pyrite, an abundance of quartz/carbonate/sulphides veins, veinlets and a few mineralized gouge zones.							
						DK	GN		SIL	3I		
						MD	GN		PHC	4I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	GN		PHC	3I	Py	1
									PRO	2I		
289.87	290.21	0.34	VEN	--	Klaza zone vein? Massive sulphide vein hosting massive zoned honey brown sphalerite and black jack sphalerite, disseminated to blebby pyrite, galena and chalcopyrite. Vein is crosscut by white carbonate stringers.							
											Ch	5
											Gn	5
											Py	15
								MA			Sp	75
290.21	297.32	7.11	QFP	FG	Light grey/green quartz feldspar porphyry dyke.							
						LT	GN	PO				
						LT	GY					
297.32	297.91	0.59	GRD	MG	Silicified strongly phyllic altered granodiorite hosting disseminated pyrite.							
						LT	GN					
						MD	GY					
						MD	GN		SIL	3I		
						LT	GY		PHC	4I	Py	1
297.91	300.50	2.59	QFP	MG	Light grey/green quartz feldspar porphyry dyke.							
						LT	GN					
						LT	GY	PO				
300.50	309.25	8.75	GRD	MG	Silicified weak to moderate phyllic altered granodiorite with patchy moderate potassic alteration. Hosts multiple quartz/carbonate/sulphide veins.							
						MD	PK		PHC	3I		
						LT	GY		SIL	3I		
						LT	GN		SIL	4I		
									POT	3I		
									PHC	2I		
309.25	316.94	7.69	QFP	FG	Light grey/green quartz feldspar porphyry dyke.							
						LT	GN					
						LT	GY	PO				

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
316.94	329.23	12.29	GRD	MG	Strongly silicified moderate to strongly phyllic altered granodiorite. Hosts sporadic quartz/pyrite veins and trace disseminated pyrite.							
						LT	GN		PHC	3I		
						LT	GY		SIL	4I	Py	0.1
									PHC	4I		
329.23	351.15	21.92	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite with small phyllic envelopes surrounding sporadic quartz/carbonate/sulphide veining.							
									POT	2I		
						MD	GY		PRO	1I		
						DK	GN		PRO	2I		
						MD	PK		POT	1I		
351.15	402.40	51.25	GRD	MG	Primarily weak to moderate phyllic altered granodiorite with patchy moderate potassic altered granodiorite. Areas of stronger phyllic alteration host quartz/carbonate/sulphide veining. Sporadic rubbly and highly fractured patches throughout the interval.							
						LT	GN		PHC	2I		
						MD	GN		PHC	3I		
						LT	GY					
						MD	PK		POT	3I		
402.40	407.85	5.45	QFP	FG	Grey/tan quartz feldspar porphyry dyke.							
						MD	TN					
						MD	GY	PO				
407.85	411.80	3.95	GRD	MG	Silicified weak to moderately propyllitic altered granodiorite with patchy weak phyllic alteration.							
						MD	GN		PRO	3I		
						LT	GN		PRO	2I		
						MD	GY		SIL	3I		
						DK	GN		PHC	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
411.80	414.83	3.03	GRD	MG	Silicified moderately phyllic altered granodiorite hosting multiple polymetallic quartz/carbonate/sulphide veins and a black breccia vein.							
						LT	GN	EN	SIL	3I		
						MD	GN		PHC	3I		
414.83	419.31	4.48	GRD	MG	Weak potassic/propyllitic altered granodiorite.							
						MD	PK		PRO	2I		
						MD	GY		POT	2I		
						DK	GN					
419.31	421.38	2.07	GRD	MG	Moderately phyllic altered granodiorite with patches of weak propyllitic alteration. Hosts trace disseminated pyrite.							
						LT	GN		PHC	3I	Py	1
						MD	GN		PRO	2I		
						DK	GN					
421.38	422.95	1.57	VOL	VF	Dark grey mafic "stealth fighter" dyke. Dyke is patchily magnetic and hosts disseminated pyrite. Dyke is cut by multiple white carbonate stringers at varying orientations.							
						DK	GY				Py	1
422.95	428.67	5.72	GRD	MG	Silicified alternating patches of weak to moderate phyllic alteration, weak propyllitic alteration and weak potassic/propyllitic alteration.							
						DK	GN		PHC	2I		
						MD	GN		PHC	3I		
						MD	GY	PA	SIL	3I		
						LT	GN		PRO	2I		
428.67	455.16	26.49	GRD	MG	Silicified moderate phyllic altered granodiorite with patchy weak propyllitic alteration. Hosts multiple spread out quartz/carbonate/sulphide veins and sporadic quartz/pyrite blebs.							
						MD	GN		PRO	2I		
						LT	GN		PHC	3I	Py	0.1
						DK	GN		SIL	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
455.16	461.84	6.68	GRD	MG	Moderate to strongly silicified weak to moderately potassic/propyllitic alerted granodiorite.							
						DK	GN					
						MD	PK					
						MD	GY					
461.84	479.08	17.24	VOL	FG	Light grey/green Mount Nansen volcanic. Hosts pervasive trace disseminated pyrite.							
						LT	GN					
						LT	GY				Py	1
479.08	480.79	1.71	VOL	VF	Dark grey mafic "stealth fighter" dyke(?). Dyke is patchily magnetic and hosts disseminated pyrite. Dyke is cut by multiple white carbonate stringers at varying orientations.							
						DK	GY				Py	0.1
480.79	490.25	9.46	QFP	FG	Light grey/green/tan quartz feldspar porphyry dyke. Many fracture surfaces contain grey gouge.							
						LT	GY					
						LT	GN					
						LT	TN	PO				
490.25	494.69	4.44	GRD	MG	Weak potassic/propyllitic altered granodiorite. Host ~2 white carbonate veinlets per meter, each has its own small weak phyllic halo.							
						MD	GY		PRO	2I		
						DK	GN		POT	2I		
						MD	PK					

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
0.00	3.70	3.70	0	0	0.00	0	--	--	--	
3.70	5.18	1.48	1.48	100	0.64	43	--	4H	2W	
5.18	8.23	3.05	2.81	92	1.54	50	--	4H	2W	
8.23	11.28	3.05	3.01	99	2.36	77	--	3H	2W	
11.28	14.33	3.05	3.02	99	0.86	28	--	4H	2W	
14.33	17.37	3.04	3.04	100	0.87	29	--	4H	2W	
17.37	20.42	3.05	3.04	100	1.62	53	--	4H	2W	
20.42	23.47	3.05	2.88	94	1.48	49	--	4H	2W	
23.47	26.52	3.05	3.05	100	1.08	35	--	3H	2W	
26.52	29.57	3.05	2.87	94	2.02	66	--	5H	2W	
29.57	32.61	3.04	2.74	90	0.60	20	--	5H	2W	
32.61	35.66	3.05	2.96	97	0.29	10	--	5H	2W	
35.66	38.71	3.05	3.04	100	0.83	27	--	5H	2W	
38.71	41.76	3.05	2.64	87	0.58	19	--	3H	2W	
41.76	44.81	3.05	2.89	95	1.37	45	--	4H	2W	
44.81	47.85	3.04	3.04	100	1.40	46	--	4H	1W	
47.85	50.90	3.05	2.9	95	1.27	42	--	4H	2W	
50.90	53.95	3.05	3.05	100	2.31	76	--	4H	1W	
53.95	57.00	3.05	3.05	100	1.99	65	--	4H	1W	
57.00	60.05	3.05	2.95	97	1.22	40	--	2H	1W	
60.05	63.09	3.04	2.79	92	0.87	29	--	2H	1W	
63.09	66.14	3.05	2.97	97	0.88	29	--	3H	1W	
66.14	69.19	3.05	2.8	92	0.40	13	--	2H	1W	
69.19	72.24	3.05	2.85	93	1.55	51	--	2H	1W	
72.24	75.29	3.05	2.78	91	0.36	12	--	2H	1W	
75.29	78.33	3.04	1.9	63	0.00	0	--	2H	1W	Faulted rubble
78.33	81.38	3.05	2.7	89	0.25	8	--	2H	1W	Faulted rubble.
81.38	84.43	3.05	2.4	79	0.33	11	--	2H	1W	Faulted rubble.
84.43	87.48	3.05	2.58	85	1.11	36	--	3H	1W	Faulted/fractured.

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
87.48	90.53	3.05	2.87	94	2.67	88	--	4H	1W	
90.53	93.57	3.04	3.04	100	2.33	77	--	4H	1W	
93.57	96.62	3.05	2.86	94	2.04	67	--	4H	1W	
96.62	99.67	3.05	3.05	100	2.47	81	--	4H	1W	
99.67	102.72	3.05	2.78	91	2.21	72	--	4H	1W	
102.72	105.77	3.05	3.05	100	2.68	88	--	4H	1W	
105.77	108.81	3.04	3.04	100	2.61	86	--	4H	1W	
108.81	111.86	3.05	2.67	88	1.68	55	--	4H	1W	
111.86	114.91	3.05	2.95	97	2.05	67	--	4H	1W	
114.91	117.96	3.05	2.98	98	2.29	75	--	4H	1W	
117.96	121.01	3.05	2.94	96	2.22	73	--	4H	1W	
121.01	124.05	3.04	2.91	96	1.10	36	--	4H	1W	
124.05	127.10	3.05	2.99	98	1.51	50	--	4H	1W	
127.10	130.15	3.05	2.76	90	0.75	25	--	4H	1W	
130.15	133.20	3.05	3.05	100	2.22	73	--	4H	1W	
133.20	136.25	3.05	3.04	100	2.35	77	--	4H	1W	
136.25	139.29	3.04	3.04	100	2.68	88	--	4H	1W	
139.29	142.34	3.05	3.05	100	1.97	65	--	3H	1W	
142.34	145.39	3.05	3.01	99	1.88	62	--	4H	1W	
145.39	148.44	3.05	2.96	97	0.27	9	--	3H	1W	
148.44	151.49	3.05	3.05	100	1.44	47	--	3H	1W	
151.49	154.53	3.04	3.01	99	1.47	48	--	4H	1W	
154.53	157.58	3.05	3.03	99	0.99	32	--	3H	1W	
157.58	160.63	3.05	3.02	99	1.97	65	--	4H	1W	
160.63	163.68	3.05	3.05	100	1.67	55	--	4H	1W	
163.68	166.72	3.04	2.81	92	2.37	78	--	4H	1W	
166.72	169.77	3.05	3.03	99	0.78	26	--	4H	1W	
169.77	172.82	3.05	2.98	98	2.15	70	--	4H	1W	
172.82	175.87	3.05	3.03	99	1.45	48	--	4H	1W	
175.87	178.92	3.05	2.75	90	2.04	67	--	4H	1W	
178.92	181.97	3.05	2.98	98	1.48	49	--	4H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
181.97	185.01	3.04	2.87	94	1.97	65	--	4H	1W	
185.01	188.06	3.05	3.05	100	2.52	83	--	4H	1W	
188.06	191.11	3.05	2.94	96	2.63	86	--	3H	1W	
191.11	194.16	3.05	3.05	100	2.23	73	--	3H	1W	
194.16	197.21	3.05	3	98	2.22	73	--	3H	1W	
197.21	200.25	3.04	2.61	86	0.52	17	--	3H	1W	
200.25	203.30	3.05	3.05	100	1.59	52	--	3H	1W	
203.30	206.35	3.05	3.05	100	1.61	53	--	3H	1W	
206.35	209.40	3.05	3.05	100	1.29	42	--	3H	1W	
209.40	212.45	3.05	3.05	100	0.31	10	--	3H	1W	
212.45	215.49	3.04	3.04	100	1.38	45	--	3H	1W	
215.49	218.54	3.05	3.05	100	1.43	47	--	4H	1W	
218.54	221.59	3.05	2.77	91	2.23	73	--	4H	1W	
221.59	224.64	3.05	3.05	100	2.73	90	--	4H	1W	
224.64	227.69	3.05	3.05	100	2.81	92	--	4H	1W	
227.69	230.73	3.04	3.04	100	2.66	88	--	4H	1W	
230.73	233.78	3.05	3.05	100	2.22	73	--	4H	1W	
233.78	236.83	3.05	3.05	100	1.90	62	--	3H	1W	
236.83	239.88	3.05	3.05	100	1.12	37	--	3H	1W	
239.88	242.93	3.05	3.05	100	1.77	58	--	3H	1W	
242.93	245.97	3.04	3.04	100	1.75	58	--	4H	1W	
245.97	249.02	3.05	3.05	100	1.56	51	--	4H	1W	
249.02	252.07	3.05	3.05	100	0.74	24	--	3H	1W	
252.07	255.12	3.05	3.05	100	1.42	47	--	3H	1W	
255.12	258.17	3.05	3.05	100	2.08	68	--	4H	1W	
258.17	261.21	3.04	2.8	92	1.82	60	--	4H	1W	
261.21	264.26	3.05	3.05	100	2.41	79	--	4H	1W	
264.26	267.31	3.05	3.05	100	1.56	51	--	4H	1W	
267.31	270.36	3.05	3.05	100	1.02	33	--	3H	1W	
270.36	273.41	3.05	3.05	100	1.20	39	--	3H	1W	
273.41	276.45	3.04	3.04	100	2.67	88	--	3H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
276.45	279.50	3.05	3.05	100	3.01	99	--	3H	1W	
279.50	282.54	3.04	3.04	100	2.79	92	--	3H	1W	
282.54	285.59	3.05	3.03	99	2.33	76	--	3H	1W	
285.59	288.65	3.06	3.04	99	2.95	96	--	3H	1W	
288.65	291.69	3.04	2.95	97	2.08	68	--	3H	1W	
291.69	294.74	3.05	3.05	100	2.39	78	--	3H	1W	
294.74	297.79	3.05	3.05	100	2.08	68	--	2H	1W	
297.79	300.84	3.05	3.05	100	1.53	50	--	3H	1W	
300.84	303.88	3.04	3.04	100	2.55	84	--	3H	1W	
303.88	306.93	3.05	3	98	2.61	86	--	3H	1W	
306.93	309.98	3.05	3.03	99	2.18	71	--	3H	1W	
309.98	313.03	3.05	3.05	100	2.74	90	--	3H	1W	
313.03	316.08	3.05	3.05	100	2.30	75	--	3H	1W	
316.08	319.13	3.05	2.88	94	2.83	93	--	3H	1W	
319.13	322.17	3.04	3.04	100	2.94	97	--	3H	1W	
322.17	325.22	3.05	2.93	96	2.61	86	--	3H	1W	
325.22	328.27	3.05	3	98	2.92	96	--	3H	1W	
328.27	331.31	3.04	2.97	98	2.78	91	--	4H	1W	
331.31	334.37	3.06	2.99	98	2.11	69	--	4H	1W	
334.37	337.41	3.04	2.97	98	2.51	83	--	4H	1W	
337.41	340.46	3.05	2.92	96	2.19	72	--	4H	1W	
340.46	343.51	3.05	3.03	99	1.87	61	--	4H	1W	
343.51	346.56	3.05	3.05	100	1.64	54	--	4H	1W	
346.56	349.61	3.05	3.05	100	1.01	33	--	4H	1W	
349.61	352.65	3.04	3.04	100	0.29	10	--	3H	1W	
352.65	355.70	3.05	2.72	89	0.28	9	--	2H	2W	
355.70	358.75	3.05	3.05	100	1.79	59	--	3H	2W	
358.75	361.80	3.05	3.05	100	0.60	20	--	3H	2W	
361.80	364.85	3.05	2.85	93	0.76	25	--	3H	1W	
364.85	367.89	3.04	3.04	100	1.34	44	--	4H	1W	
367.89	370.94	3.05	2.87	94	0.82	27	--	3H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
370.94	373.99	3.05	2.95	97	1.79	59	--	4H	1W	
373.99	377.04	3.05	3	98	1.89	62	--	4H	1W	
377.04	380.09	3.05	3.01	99	1.76	58	--	4H	1W	
380.09	383.13	3.04	3.04	100	1.62	53	--	3H	1W	
383.13	386.18	3.05	2.97	97	2.07	68	--	4H	1W	
386.18	389.23	3.05	3.05	100	2.57	84	--	4H	1W	
389.23	392.28	3.05	3.05	100	1.97	65	--	4H	1W	
392.28	395.33	3.05	2.97	97	2.36	77	--	4H	1W	
395.33	398.37	3.04	3.04	100	2.22	73	--	4H	1W	
398.37	401.42	3.05	2.8	92	2.59	85	--	4H	1W	
401.42	404.47	3.05	3.05	100	1.98	65	--	4H	1W	
404.47	407.52	3.05	2.93	96	2.43	80	--	4H	1W	
407.52	410.56	3.04	3.04	100	2.97	98	--	4H	1W	
410.56	413.61	3.05	3.05	100	2.80	92	--	4H	1W	
413.61	416.66	3.05	3.04	100	2.67	88	--	5H	1W	
416.66	419.70	3.04	2.83	93	2.76	91	--	4H	1W	
419.70	422.75	3.05	3.05	100	2.78	91	--	4H	1W	
422.75	425.80	3.05	2.93	96	2.66	87	--	4H	1W	
425.80	428.85	3.05	2.92	96	2.02	66	--	4H	1W	
428.85	431.90	3.05	3.04	100	2.22	73	--	4H	1W	
431.90	434.94	3.04	3.02	99	2.65	87	--	4H	1W	
434.94	437.99	3.05	3.05	100	2.77	91	--	4H	1W	
437.99	441.04	3.05	2.98	98	2.22	73	--	4H	1W	
441.04	444.09	3.05	2.86	94	2.41	79	--	4H	1W	
444.09	447.14	3.05	3.05	100	2.44	80	--	4H	1W	
447.14	450.19	3.05	3.05	100	2.35	77	--	4H	1W	
450.19	453.24	3.05	2.89	95	2.24	73	--	4H	1W	
453.24	456.29	3.05	3.04	100	2.81	92	--	4H	1W	
456.29	459.33	3.04	3.03	100	3.03	100	--	4H	1W	
459.33	462.38	3.05	3.05	100	2.46	81	--	5H	1W	
462.38	465.43	3.05	3.05	100	0.67	22	--	3H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
465.43	468.48	3.05	3.05	100	0.73	24	--	4H	1W	
468.48	471.53	3.05	2.99	98	1.25	41	--	4H	1W	
471.53	474.57	3.04	2.84	93	0.91	30	--	4H	1W	
474.57	477.62	3.05	3.01	99	2.13	70	--	4H	1W	
477.62	480.67	3.05	3.05	100	1.45	48	--	4H	1W	
480.67	483.72	3.05	2.98	98	2.14	70	--	4H	1W	
483.72	486.77	3.05	3.03	99	2.52	83	--	4H	1W	
486.77	489.91	3.14	3.04	97	1.47	47	--	4H	1W	
489.91	492.86	2.95	2.95	100	2.32	79	--	4H	1W	
492.86	494.69	1.83	1.69	92	1.38	75	--	4H	1W	

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
0.00	0.00	0.00	-QC-	0.00	0	M675340	☐	15-076		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M675262	☐	15-073		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M675284	☐	15-074		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M675103	☐	15-064		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M675296	☐	15-074			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M675299	☐	15-074		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M675316	☐	15-076		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M675258	☐	15-073			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M675330	☐	15-076			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M675270	☐	15-073			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M675352	☐	15-078		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M675369	☐	15-078			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M675373	☐	15-078			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M675376	☐	15-078		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M675393	☐	15-080		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M675408	☐	15-080			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M675321	☐	15-076			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M675149	☐	15-067		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M675108	☐	15-064			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M675120	☐	15-064		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M675122	☐	15-064			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M675289	☐	15-074			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M675141	☐	15-067			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M675246	☐	15-073		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M675155	☐	15-067			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M675174	☐	15-069		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M675183	☐	15-069			☑	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
0.00	0.00	0.00	-QC-	0.00	0	M675188	☐	15-069		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M675194	☐	15-069			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M675218	☐	15-071		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M675223	☐	15-071			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M675227	☐	15-071		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M675233	☐	15-071			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M675136	☐	15-067		KL-STD4	☐	☐	☐
10.00	11.18	1.18	GRD	1.16	98	M675088	☐	15-063			☐	☐	☐
11.18	12.20	1.02	GRD	1.02	100	M675089	☐	15-063			☐	☐	☐
11.18	12.20	1.02	GRD	1.02	100	M675090	☐	15-063			☐	☐	☑
12.20	12.84	0.64	VEN	0.64	100	M675091	☐	15-063			☐	☐	☐
12.84	14.09	1.25	GRD	1.24	99	M675092	☐	15-063			☐	☐	☐
14.09	15.95	1.86	GRD	1.86	100	M675093	☐	15-063			☐	☐	☐
15.95	17.37	1.42	GRD	1.42	100	M675094	☐	15-063			☐	☐	☐
17.37	20.42	3.05	GRD	3.05	100	M675095	☐	15-064			☐	☐	☐
20.42	21.66	1.24	GRD	1.24	100	M675096	☐	15-064			☐	☐	☐
21.66	24.06	2.40	GRD	2.35	98	M675097	☐	15-064			☐	☐	☐
24.06	25.59	1.53	GRD	1.53	100	M675098	☐	15-064			☐	☐	☐
25.59	26.71	1.12	GRD	1.12	100	M675099	☐	15-064			☐	☐	☐
25.59	26.71	1.12	GRD	1.12	100	M675100	☐	15-064			☐	☐	☑
26.71	28.38	1.67	GRD	1.67	100	M675101	☐	15-064			☐	☐	☐
28.38	29.57	1.19	GRD	1.18	99	M675102	☐	15-064			☐	☐	☐
29.57	32.61	3.04	GRD	2.92	96	M675104	☐	15-064			☐	☐	☐
32.61	35.66	3.05	GRD	3.05	100	M675105	☐	15-064			☐	☐	☐
35.66	37.45	1.79	GRD	1.78	99	M675106	☐	15-064			☐	☐	☐
37.45	38.68	1.23	GRD	1.23	100	M675107	☐	15-064			☐	☐	☐
38.68	39.11	0.43	GRD	0.43	100	R499373	☐	15-068	High grade		☐	☐	☐
39.11	40.18	1.07	BXA	1.07	100	M675109	☐	15-064			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
40.18	40.86	0.68	GRD	0.66	97	R499374	☐	15-068	High grade		☐	☐	☐
40.86	41.63	0.77	GRD	0.64	83	M675110	☐	15-064			☐	☐	☐
41.63	43.27	1.64	QFP	1.57	96	M675111	☐	15-064			☐	☐	☐
43.27	44.81	1.54	QFP	1.54	100	M675112	☐	15-064			☐	☐	☐
44.81	46.68	1.87	QFP	1.87	100	M675113	☐	15-064			☐	☐	☐
44.81	46.68	1.87	QFP	1.87	100	M675114	☐	15-064			☐	☑	☐
46.68	46.98	0.30	QFP	0.30	100	M675115	☐	15-064			☐	☐	☐
46.98	47.62	0.64	GRD	0.64	100	R499375	☐	15-068	High grade		☐	☐	☐
47.62	48.39	0.77	GRD	0.77	100	R499376	☐	15-068	High grade		☐	☐	☐
47.62	48.39	0.77	GRD	0.77	100	R499377	☐	15-068	High grade		☐	☐	☑
48.39	49.44	1.05	GRD	1.05	100	M675116	☐	15-064			☐	☐	☐
49.44	51.48	2.04	GRD	2.04	100	M675117	☐	15-064			☐	☐	☐
51.48	54.33	2.85	GRD	2.84	100	M675118	☐	15-064			☐	☐	☐
54.33	56.40	2.07	GRD	2.07	100	M675119	☐	15-064			☐	☐	☐
56.40	58.23	1.83	GRD	1.83	100	M675121	☐	15-064			☐	☐	☐
58.23	60.05	1.82	GRD	1.82	100	M675123	☐	15-064			☐	☐	☐
60.05	61.29	1.24	GRD	1.24	100	M675124	☐	15-064			☐	☐	☐
61.29	63.62	2.33	GRD	2.26	97	M675125	☐	15-064			☐	☐	☐
63.62	64.15	0.53	GRD	0.53	100	M675126	☐	15-064			☐	☐	☐
64.15	66.14	1.99	GRD	1.78	89	M675127	☐	15-064			☐	☐	☐
66.14	67.26	1.12	GRD	1.10	98	M675128	☐	15-064			☐	☐	☐
67.26	69.04	1.78	GRD	1.78	100	M675129	☐	15-064			☐	☐	☐
79.35	79.91	0.56	GRD	0.46	82	M675130	☐	15-064			☐	☐	☐
79.91	80.89	0.98	GRD	0.88	90	M675131	☐	15-067			☐	☐	☐
80.89	81.46	0.57	GRD	0.56	98	M675132	☐	15-067			☐	☐	☐
81.46	83.08	1.62	GRD	1.53	94	M675133	☐	15-067			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
83.08	83.83	0.75	GRD	0.66	88	M675134	☐	15-067			☐	☐	☐
83.83	85.53	1.70	GRD	1.66	98	M675135	☐	15-067			☐	☐	☐
85.53	86.15	0.62	GRD	0.55	89	M675137	☐	15-067			☐	☐	☐
86.15	87.48	1.33	GRD	1.31	98	M675138	☐	15-067			☐	☐	☐
87.48	88.14	0.66	GRD	0.66	100	M675139	☐	15-067			☐	☐	☐
88.14	89.05	0.91	GRD	0.88	97	M675140	☐	15-067			☐	☐	☐
89.05	90.36	1.31	GRD	1.31	100	M675142	☐	15-067			☐	☐	☐
90.36	91.80	1.44	GRD	1.44	100	M675143	☐	15-067			☐	☐	☐
91.80	93.91	2.11	GRD	1.86	88	M675144	☐	15-067			☐	☐	☐
91.80	93.91	2.11	GRD	1.86	88	M675145	☐	15-067			☐	☑	☐
93.91	94.34	0.43	GRD	0.43	100	M675146	☐	15-067			☐	☐	☐
94.34	95.44	1.10	GRD	1.05	95	M675147	☐	15-067			☐	☐	☐
108.37	108.74	0.37	GRD	0.37	100	M675148	☐	15-067			☐	☐	☐
108.74	109.44	0.70	GRD	0.70	100	M675150	☐	15-067			☐	☐	☐
109.44	109.74	0.30	GRD	0.30	100	M675151	☐	15-067			☐	☐	☐
109.74	110.27	0.53	GRD	0.53	100	M675152	☐	15-067			☐	☐	☐
123.47	124.61	1.14	GRD	1.12	98	M675153	☐	15-067			☐	☐	☐
124.61	125.19	0.58	GRD	0.58	100	M675154	☐	15-067			☐	☐	☐
125.19	125.91	0.72	GRD	0.72	100	M675156	☐	15-067			☐	☐	☐
125.91	127.61	1.70	GRD	1.70	100	M675157	☐	15-067			☐	☐	☐
127.61	128.20	0.59	GRD	0.59	100	M675158	☐	15-067			☐	☐	☐
128.20	130.09	1.89	GRD	1.63	86	M675159	☐	15-067			☐	☐	☐
128.20	130.09	1.89	GRD	1.63	86	M675160	☐	15-067			☐	☐	☑
130.09	131.16	1.07	GRD	1.07	100	M675161	☐	15-067			☐	☐	☐
131.16	132.04	0.88	GRD	0.88	100	M675162	☐	15-067			☐	☐	☐
132.04	133.20	1.16	GRD	1.16	100	M675163	☐	15-067			☐	☐	☐
138.75	141.48	2.73	GRD	2.73	100	M675164	☐	15-067			☐	☐	☐
141.48	142.34	0.86	GRD	0.86	100	M675165	☐	15-067			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
142.34	143.58	1.24	GRD	1.24	100	M675166	☐	15-067			☐	☐	☐
143.58	144.35	0.77	GRD	0.77	100	M675167	☐	15-069			☐	☐	☐
144.35	145.03	0.68	GRD	0.61	90	M675168	☐	15-069			☐	☐	☐
145.03	146.11	1.08	GRD	1.08	100	M675169	☐	15-069			☐	☐	☐
146.11	148.44	2.33	GRD	2.32	100	M675170	☐	15-069			☐	☐	☐
148.44	151.49	3.05	GRD	2.99	98	M675171	☐	15-069			☐	☐	☐
151.49	153.66	2.17	GRD	2.16	100	M675172	☐	15-069			☐	☐	☐
153.66	154.08	0.42	GRD	0.37	88	M675173	☐	15-069			☐	☐	☐
154.08	154.85	0.77	GRD	0.77	100	M675175	☐	15-069			☐	☐	☐
154.85	155.87	1.02	GRD	1.02	100	M675176	☐	15-069			☐	☐	☐
155.87	156.87	1.00	GRD	1.00	100	M675177	☐	15-069			☐	☐	☐
181.65	183.00	1.35	GRD	1.35	100	M675178	☐	15-069			☐	☐	☐
181.65	183.00	1.35	GRD	1.35	100	M675179	☐	15-069			☐	☑	☐
183.00	185.01	2.01	GRD	1.90	95	M675180	☐	15-069			☐	☐	☐
185.01	185.72	0.71	GRD	0.71	100	M675181	☐	15-069			☐	☐	☐
185.72	186.27	0.55	GRD	0.55	100	M675182	☐	15-069			☐	☐	☐
186.27	187.00	0.73	GRD	0.73	100	M675184	☐	15-069			☐	☐	☐
187.00	189.28	2.28	GRD	1.26	55	M675185	☐	15-069			☐	☐	☐
189.28	190.96	1.68	GRD	1.56	93	M675186	☐	15-069			☐	☐	☐
190.96	192.41	1.45	GRD, GRD	1.45	100	M675187	☐	15-069			☐	☐	☐
192.41	192.87	0.46	GRD	0.46	100	M675189	☐	15-069			☐	☐	☐
192.87	193.36	0.49	GRD	0.48	98	M675190	☐	15-069			☐	☐	☐
193.36	194.43	1.07	GRD	1.07	100	M675191	☐	15-069			☐	☐	☐
224.84	225.88	1.04	GRD	1.03	99	M675192	☐	15-069			☐	☐	☐
225.88	226.19	0.31	GRD	0.31	100	M675193	☐	15-069			☐	☐	☐
226.19	228.47	2.28	GRD	2.20	96	M675195	☐	15-069			☐	☐	☐
228.47	228.79	0.32	GRD	0.32	100	M675196	☐	15-069			☐	☐	☐
228.79	229.90	1.11	GRD	1.05	95	M675197	☐	15-069			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
228.79	229.90	1.11	GRD	1.05	95	M675198	☐	15-069			☐	☐	☑
229.90	230.47	0.57	GRD	0.52	91	M675199	☐	15-069			☐	☐	☐
230.47	230.86	0.39	GRD	0.39	100	M675200	☐	15-069			☐	☐	☐
230.86	231.88	1.02	GRD	1.02	100	M675201	☐	15-069			☐	☐	☐
231.88	233.36	1.48	GRD	1.43	97	M675202	☐	15-069			☐	☐	☐
233.36	233.78	0.42	GRD	0.42	100	M675203	☐	15-071			☐	☐	☐
233.78	235.31	1.53	GRD	1.53	100	M675204	☐	15-071			☐	☐	☐
235.31	236.76	1.45	GRD	1.43	99	M675205	☐	15-071			☐	☐	☐
236.76	237.55	0.79	GRD	0.69	87	M675206	☐	15-071			☐	☐	☐
237.55	239.88	2.33	GRD	2.33	100	M675207	☐	15-071			☐	☐	☐
239.88	242.93	3.05	GRD	3.03	99	M675208	☐	15-071			☐	☐	☐
239.88	242.93	3.05	GRD	3.03	99	M675209	☐	15-071			☐	☐	☑
242.93	244.87	1.94	GRD	1.88	97	M675210	☐	15-071			☐	☐	☐
244.87	245.18	0.31	GRD	0.30	97	M675211	☐	15-071			☐	☐	☐
245.18	246.19	1.01	GRD	1.00	99	M675212	☐	15-071			☐	☐	☐
246.19	249.02	2.83	GRD	2.62	93	M675213	☐	15-071			☐	☐	☐
246.19	249.02	2.83	GRD	2.62	93	M675214	☐	15-071			☐	☑	☐
249.02	252.07	3.05	GRD	2.85	93	M675215	☐	15-071			☐	☐	☐
252.07	254.43	2.36	GRD	2.27	96	M675216	☐	15-071			☐	☐	☐
254.43	256.06	1.63	GRD	1.63	100	M675217	☐	15-071			☐	☐	☐
256.06	256.36	0.30	GRD	0.30	100	M675219	☐	15-071			☐	☐	☐
256.36	257.28	0.92	GRD	0.82	89	M675220	☐	15-071			☐	☐	☐
257.28	260.14	2.86	GRD	1.59	56	M675221	☐	15-071			☐	☐	☐
260.14	260.46	0.32	GRD	0.32	100	M675222	☐	15-071			☐	☐	☐
260.46	261.21	0.75	GRD	0.75	100	M675224	☐	15-071			☐	☐	☐
261.21	262.85	1.64	GRD	1.64	100	M675225	☐	15-071			☐	☐	☐
262.85	264.64	1.79	GRD	1.79	100	M675226	☐	15-071			☐	☐	☐
264.64	266.50	1.86	GRD	1.77	95	M675228	☐	15-071			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
266.50	267.50	1.00	GRD	0.95	95	M675229	☐	15-071			☐	☐	☐
267.50	268.77	1.27	GRD	0.97	76	M675230	☐	15-071			☐	☐	☐
268.77	269.74	0.97	GRD	0.94	97	M675231	☐	15-071			☐	☐	☐
269.74	270.60	0.86	GRD	0.65	76	M675232	☐	15-071			☐	☐	☐
270.60	271.15	0.55	GRD	0.55	100	M675234	☐	15-071			☐	☐	☐
271.15	272.31	1.16	GRD	1.16	100	M675235	☐	15-071			☐	☐	☐
272.31	273.09	0.78	GRD	0.73	94	M675236	☐	15-071			☐	☐	☐
273.09	274.05	0.96	GRD	0.92	96	M675237	☐	15-071			☐	☐	☐
274.05	274.45	0.40	GRD	0.40	100	M675238	☐	15-071			☐	☐	☐
274.45	275.40	0.95	GRD	0.95	100	M675239	☐	15-073			☐	☐	☐
275.40	276.33	0.93	GRD	0.92	99	M675240	☐	15-073			☐	☐	☐
276.33	277.96	1.63	GRD	1.63	100	M675241	☐	15-073			☐	☐	☐
277.96	278.35	0.39	GRD	0.39	100	M675242	☐	15-073			☐	☐	☐
278.35	279.65	1.30	GRD	1.30	100	M675243	☐	15-073			☐	☐	☐
278.35	279.65	1.30	GRD	1.30	100	M675244	☐	15-073			☐	☑	☐
279.65	280.59	0.94	GRD	0.93	99	M675245	☐	15-073			☐	☐	☐
280.59	282.54	1.95	GRD	1.95	100	M675247	☐	15-073			☐	☐	☐
282.54	283.80	1.26	GRD	1.23	98	M675248	☐	15-073			☐	☐	☐
283.80	284.67	0.87	GRD	0.87	100	M675249	☐	15-073			☐	☐	☐
284.67	285.72	1.05	GRD	1.05	100	M675250	☐	15-073			☐	☐	☐
285.72	287.37	1.65	GRD	1.63	99	M675251	☐	15-073			☐	☐	☐
287.37	289.45	2.08	GRD	2.08	100	M675252	☐	15-073			☐	☐	☐
289.45	289.87	0.42	GRD	0.41	98	M675253	☐	15-073			☐	☐	☐
289.87	290.21	0.34	GRD, VEN	0.34	100	R499382	☐	15-099	HG		☐	☐	☐
290.21	291.69	1.48	QFP, VEN	1.38	93	M675254	☐	15-073			☐	☐	☐
291.69	294.74	3.05	QFP	3.05	100	M675255	☐	15-073			☐	☐	☐
294.74	297.31	2.57	QFP	2.27	88	M675256	☐	15-073			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
297.31	297.91	0.60	QFP	0.60	100	M675257	☐	15-073			☐	☐	☐
297.91	299.20	1.29	GRD, QFP	1.29	100	M675259	☐	15-073			☐	☐	☐
299.20	300.28	1.08	QFP	1.06	98	M675260	☐	15-073			☐	☐	☐
300.28	300.58	0.30	QFP	0.30	100	M675261	☐	15-073			☐	☐	☐
300.58	301.10	0.52	GRD	0.51	98	R499383	☐	15-099	HG		☐	☐	☐
301.10	301.73	0.63	GRD	0.63	100	M675263	☐	15-073			☐	☐	☐
301.73	302.05	0.32	GRD	0.31	97	M675264	☐	15-073			☐	☐	☐
302.05	303.51	1.46	GRD	1.42	97	M675265	☐	15-073			☐	☐	☐
302.05	303.51	1.46	GRD	1.42	97	M675266	☐	15-073			☐	☐	☑
303.51	304.28	0.77	GRD	0.77	100	M675267	☐	15-073			☐	☐	☐
304.28	306.08	1.80	GRD	1.77	98	M675268	☐	15-073			☐	☐	☐
306.08	306.70	0.62	GRD	0.62	100	M675269	☐	15-073			☐	☐	☐
306.70	308.39	1.69	GRD	1.69	100	M675271	☐	15-073			☐	☐	☐
308.39	309.29	0.90	GRD	0.88	98	M675272	☐	15-073			☐	☐	☐
309.29	309.98	0.69	QFP	0.69	100	M675273	☐	15-073			☐	☐	☐
309.98	313.03	3.05	QFP	3.05	100	M675274	☐	15-073			☐	☐	☐
313.03	315.19	2.16	QFP	2.16	100	M675275	☐	15-074			☐	☐	☐
315.19	316.92	1.73	QFP	1.73	100	M675276	☐	15-074			☐	☐	☐
316.92	319.83	2.91	QFP	2.82	97	M675277	☐	15-074			☐	☐	☐
319.83	320.98	1.15	GRD	1.15	100	M675278	☐	15-074			☐	☐	☐
320.98	322.17	1.19	GRD	1.19	100	M675279	☐	15-074			☐	☐	☐
322.17	323.74	1.57	GRD	1.54	98	M675280	☐	15-074			☐	☐	☐
322.17	323.74	1.57	GRD	1.54	98	M675281	☐	15-074			☐	☑	☐
323.74	324.49	0.75	GRD	0.75	100	M675282	☐	15-074			☐	☐	☐
324.49	325.22	0.73	GRD	0.73	100	M675283	☐	15-074			☐	☐	☐
325.22	326.08	0.86	GRD	0.86	100	M675285	☐	15-074			☐	☐	☐
326.08	326.83	0.75	GRD	0.75	100	M675286	☐	15-074			☐	☐	☐
326.83	328.62	1.79	GRD	1.59	89	M675287	☐	15-074			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
328.62	329.19	0.57	GRD	0.57	100	M675288	☐	15-074			☐	☐	☐
329.19	329.83	0.64	GRD	0.64	100	M675290	☐	15-074			☐	☐	☐
329.83	330.29	0.46	GRD	0.46	100	M675291	☐	15-074			☐	☐	☐
330.29	330.87	0.58	GRD	0.54	93	M675292	☐	15-074			☐	☐	☐
330.87	331.26	0.39	GRD	0.39	100	M675293	☐	15-074			☐	☐	☐
331.26	332.26	1.00	GRD	1.00	100	M675294	☐	15-074			☐	☐	☐
339.38	340.04	0.66	GRD	0.66	100	M675295	☐	15-074			☐	☐	☐
351.37	352.51	1.14	GRD	0.98	86	M675297	☐	15-074			☐	☐	☐
352.51	352.91	0.40	GRD	0.40	100	M675298	☐	15-074			☐	☐	☐
352.91	354.47	1.56	GRD	0.56	36	M675300	☐	15-074			☐	☐	☐
354.47	355.51	1.04	GRD	1.04	100	M675301	☐	15-074			☐	☐	☐
355.51	357.54	2.03	GRD	2.03	100	M675302	☐	15-074			☐	☐	☐
357.54	358.74	1.20	GRD	1.20	100	M675303	☐	15-074			☐	☐	☐
357.54	358.74	1.20	GRD	1.20	100	M675304	☐	15-074			☐	☐	☑
358.74	359.78	1.04	GRD	1.04	100	M675305	☐	15-074			☐	☐	☐
359.78	361.73	1.95	GRD	1.95	100	M675306	☐	15-074			☐	☐	☐
361.73	362.05	0.32	GRD	0.32	100	M675307	☐	15-074			☐	☐	☐
362.05	363.25	1.20	GRD	1.20	100	M675308	☐	15-074			☐	☐	☐
363.25	365.35	2.10	GRD	2.09	100	M675309	☐	15-074			☐	☐	☐
365.35	367.49	2.14	GRD	2.12	99	M675310	☐	15-074			☐	☐	☐
367.49	368.10	0.61	GRD	0.60	98	M675311	☐	15-076			☐	☐	☐
368.10	368.81	0.71	GRD	0.71	100	M675312	☐	15-076			☐	☐	☐
368.81	370.94	2.13	GRD	2.10	99	M675313	☐	15-076			☐	☐	☐
370.94	371.79	0.85	GRD	0.85	100	M675314	☐	15-076			☐	☐	☐
371.79	373.55	1.76	GRD	1.76	100	M675315	☐	15-076			☐	☐	☐
373.55	374.61	1.06	GRD	1.04	98	M675317	☐	15-076			☐	☐	☐
374.61	376.65	2.04	GRD	2.04	100	M675318	☐	15-076			☐	☐	☐
376.65	378.20	1.55	GRD	1.55	100	M675319	☐	15-076			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
378.20	378.66	0.46	GRD	0.46	100	M675320	☐	15-076			☐	☐	☐
378.66	380.19	1.53	GRD	1.53	100	M675322	☐	15-076			☐	☐	☐
380.19	380.88	0.69	GRD	0.68	99	M675323	☐	15-076			☐	☐	☐
380.88	382.76	1.88	GRD	1.88	100	M675324	☐	15-076			☐	☐	☐
380.88	382.76	1.88	GRD	1.88	100	M675325	☐	15-076			☐	☑	☐
382.76	383.33	0.57	GRD	0.57	100	M675326	☐	15-076			☐	☐	☐
383.33	384.11	0.78	GRD	0.75	96	M675327	☐	15-076			☐	☐	☐
384.11	385.88	1.77	GRD	1.75	99	M675328	☐	15-076			☐	☐	☐
385.88	386.47	0.59	GRD	0.59	100	M675329	☐	15-076			☐	☐	☐
386.47	387.17	0.70	GRD	0.69	99	M675331	☐	15-076			☐	☐	☐
387.17	387.74	0.57	GRD	0.57	100	M675332	☐	15-076			☐	☐	☐
387.74	390.02	2.28	GRD	2.28	100	M675333	☐	15-076			☐	☐	☐
390.02	391.48	1.46	GRD	1.46	100	M675334	☐	15-076			☐	☐	☐
391.48	392.90	1.42	GRD	1.41	99	M675335	☐	15-076			☐	☐	☐
391.48	392.90	1.42	GRD	1.41	99	M675336	☐	15-076			☐	☐	☑
392.90	395.44	2.54	GRD	2.51	99	M675337	☐	15-076			☐	☐	☐
395.44	396.70	1.26	GRD	1.26	100	M675338	☐	15-076			☐	☐	☐
396.70	397.79	1.09	GRD	1.09	100	M675339	☐	15-076			☐	☐	☐
397.79	398.62	0.83	GRD	0.83	100	M675341	☐	15-076			☐	☐	☐
398.62	401.16	2.54	GRD	2.48	98	M675342	☐	15-076			☐	☐	☐
401.16	402.00	0.84	GRD	0.84	100	M675343	☐	15-076			☐	☐	☐
402.00	402.38	0.38	GRD	0.38	100	M675344	☐	15-076			☐	☐	☐
402.38	402.89	0.51	GRD	0.51	100	M675345	☐	15-076			☐	☐	☐
407.39	407.91	0.52	QFP	0.52	100	M675346	☐	15-076			☐	☐	☐
407.91	408.30	0.39	GRD	0.39	100	M675347	☐	15-078			☐	☐	☐
408.30	409.65	1.35	GRD	1.35	100	M675348	☐	15-078			☐	☐	☐
409.65	410.69	1.04	GRD	1.04	100	M675349	☐	15-078			☐	☐	☐
410.69	412.22	1.53	GRD	1.53	100	M675350	☐	15-078			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
412.22	412.72	0.50	GRD	0.50	100	M675351	☐	15-078			☐	☐	☐
412.72	413.69	0.97	GRD	0.97	100	M675353	☐	15-078			☐	☐	☐
413.69	414.33	0.64	GRD	0.64	100	M675354	☐	15-078			☐	☐	☐
414.33	414.82	0.49	GRD	0.49	100	M675355	☐	15-078			☐	☐	☐
414.82	416.66	1.84	GRD	1.84	100	M675356	☐	15-078			☐	☐	☐
414.82	416.66	1.84	GRD	1.84	100	M675357	☐	15-078			☐	☑	☐
416.66	419.70	3.04	GRD	2.93	96	M675358	☐	15-078			☐	☐	☐
419.70	420.25	0.55	GRD	0.55	100	M675359	☐	15-078			☐	☐	☐
420.25	421.38	1.13	GRD	1.12	99	M675360	☐	15-078			☐	☐	☐
421.38	422.95	1.57	VOL, GRD	1.57	100	M675361	☐	15-078			☐	☐	☐
422.95	425.80	2.85	GRD, VOL	2.82	99	M675362	☐	15-078			☐	☐	☐
425.80	428.12	2.32	GRD	2.32	100	M675363	☐	15-078			☐	☐	☐
425.80	428.12	2.32	GRD	2.32	100	M675364	☐	15-078			☐	☐	☑
428.12	428.63	0.51	GRD	0.51	100	M675365	☐	15-078			☐	☐	☐
428.63	430.63	2.00	GRD	2.00	100	M675366	☐	15-078			☐	☐	☐
430.63	432.82	2.19	GRD	2.19	100	M675367	☐	15-078			☐	☐	☐
432.82	433.38	0.56	GRD	0.56	100	M675368	☐	15-078			☐	☐	☐
433.38	434.94	1.56	GRD	1.49	96	M675370	☐	15-078			☐	☐	☐
434.94	436.89	1.95	GRD	1.95	100	M675371	☐	15-078			☐	☐	☐
436.89	437.30	0.41	GRD	0.41	100	M675372	☐	15-078			☐	☐	☐
437.30	438.53	1.23	GRD	1.15	93	M675374	☐	15-078			☐	☐	☐
438.53	440.36	1.83	GRD	1.83	100	M675375	☐	15-078			☐	☐	☐
440.36	440.70	0.34	GRD	0.34	100	M675377	☐	15-078			☐	☐	☐
440.70	442.90	2.20	GRD	2.18	99	M675378	☐	15-078			☐	☐	☐
442.90	444.34	1.44	GRD	1.44	100	M675379	☐	15-078			☐	☐	☐
444.34	447.39	3.05	GRD	3.05	100	M675380	☐	15-078			☐	☐	☐
447.39	448.57	1.18	GRD	1.18	100	M675381	☐	15-078			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
448.57	450.73	2.16	GRD	2.16	100	M675382	☐	15-078			☐	☐	☐
450.73	453.17	2.44	GRD	2.29	94	M675383	☐	15-080			☐	☐	☐
453.17	455.16	1.99	GRD	1.98	99	M675384	☐	15-080			☐	☐	☐
455.16	457.41	2.25	GRD, GRD	2.25	100	M675385	☐	15-080			☐	☐	☐
457.41	459.09	1.68	GRD	1.64	98	M675386	☐	15-080			☐	☐	☐
459.09	461.75	2.66	GRD	2.66	100	M675387	☐	15-080			☐	☐	☐
459.09	461.75	2.66	GRD	2.66	100	M675388	☐	15-080			☐	☐	☑
461.75	462.84	1.09	GRD	1.09	100	M675389	☐	15-080			☐	☐	☐
462.84	465.43	2.59	VOL	2.59	100	M675390	☐	15-080			☐	☐	☐
465.43	468.48	3.05	VOL	3.02	99	M675391	☐	15-080			☐	☐	☐
468.48	471.33	2.85	VOL	2.85	100	M675392	☐	15-080			☐	☐	☐
471.33	471.88	0.55	VOL	0.55	100	M675394	☐	15-080			☐	☐	☐
471.88	474.57	2.69	VOL	2.58	96	M675395	☐	15-080			☐	☐	☐
474.57	477.62	3.05	VOL	3.05	100	M675396	☐	15-080			☐	☐	☐
477.62	478.76	1.14	VOL	1.11	97	M675397	☐	15-080			☐	☐	☐
478.76	479.16	0.40	VOL	0.40	100	M675398	☐	15-080			☐	☐	☐
479.16	480.67	1.51	VOL	1.51	100	M675399	☐	15-080			☐	☐	☐
479.16	480.67	1.51	VOL	1.51	100	M675400	☐	15-080			☐	☑	☐
480.67	480.97	0.30	VOL	0.30	100	M675401	☐	15-080			☐	☐	☐
480.97	481.36	0.39	QFP	0.39	100	R499389	☐	15-099	HG		☐	☐	☐
481.36	481.83	0.47	QFP	0.46	98	M675402	☐	15-080			☐	☐	☐
481.83	483.72	1.89	QFP	1.81	96	M675403	☐	15-080			☐	☐	☐
483.72	486.77	3.05	QFP	3.05	100	M675404	☐	15-080			☐	☐	☐
486.77	488.50	1.73	QFP	1.70	98	M675405	☐	15-080			☐	☐	☐
488.50	490.00	1.50	QFP	1.44	96	M675406	☐	15-080			☐	☐	☐
490.00	490.35	0.35	QFP	0.35	100	M675407	☐	15-080			☐	☐	☐

Klaza - Klaza Project

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		381652	6890105	1289.27	181.97

ZONE: Western BRX

SECTION: BRX 9+300

HOLE: KL-15-266

CLAIM:

Contractor: Platinum

Drill: 1

Core Size: HQ3

Casing Depth: 4.57m, Out

Drilling Dates: Jul 15 - Jul 17, 2015

Geology Logged By: T. Cruz

SURVEY			
Depth (m)	Azimuth	Dip	Method
14.32	35.7	-51.2	Reflex
181.96	39.9	-50.5	Reflex

TARGET:

SUMMARY			
From (m)	To (m)	Interval (m)	Rock Type
0	4.2	4.2	CAS
4.2	40.9	36.7	GRD
40.9	61.16	20.26	GRD
61.16	74.94	13.78	GRD
74.94	79.81	4.87	GRD
79.81	102.97	23.16	GRD
102.97	106.18	3.21	GRD
106.18	109.91	3.73	GRD
109.91	112.56	2.65	GRD
112.56	131.17	18.61	GRD
131.17	149.25	18.08	GRD
149.25	149.7	0.45	QFP
149.7	155.71	6.01	QFP
155.71	155.87	0.16	BXA
155.87	156.23	0.36	VEN
156.23	157.44	1.21	GRD

SAMPLES	
Numbers:	R499381, R610405 to R610450
Total:	47
Batch:	065, 066, 068, 070
Certificates:	WH15106825, WH15106842, WH15106938, WH15106945, WH15106950

COMMENTS

157.44	181.97	24.53	GRD

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
4.20	23.25	19.05	GRD	MG	Granodiorite with weak-moderate oxide staining on fractures, rarely semi-pervasive oxidation on argillic/clay altered patches. Competent recovery, with less fracturing than usual for top of hole. Few patches of weak argillic alteration,.							
						MD	BN		ARG	1I		
						MD	GY		OXI	2I		
									CLY	1I		
23.25	26.94	3.69	GRD	MG	Pervasive argillic and oxide stained granodiorite with several gouge seams. Argillic alteration is crumbled at 23.40m. Cut by few calcite veins.							
						MD	BN		OXI	3I		
						LT	WH	FR	ARG	3I		
						LT	OR		CLY	2I		
26.94	39.33	12.39	GRD	MG	Granodiorite with weak oxide staining on all fractures, and trace patchy argilllic alteration otherwise. Cut by rare barren carbonate veinlets. Stronger oxide staining in argillic patches.							
						MD	GY	PA	ARG	1I		
						LT	BN		OXI	2I		
39.33	39.76	0.43	GRD	MG	Narrow proximal phyllic and distal argillic halo on a banded quartz-carbonate vein with trace disseminated pyrite. Stronger oxide staining overprints the outer argillic halo.							
						MD	BN		ARG	3I	Py	0.1
						MD	OR		PHC	2I		
									OXI	3I		
39.76	40.90	1.14	GRD	MG	Granodiorite with semipervasive oxide staining.							
						MD	GY		OXI	2I		
						MD	BN					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
40.90	48.16	7.26	GRD	MG	Overlapping proximal phyllic and distal argillic halos on veins and gouge seams. Patches of pervasive oxide staining are present on most argillic patches. Gouge seams show strong oxidation. White quartz-carbonate veining tends to host blebby pyrite.							
						MD	GY		OXI	2I		
						MD	BN		POT	1I		
						LT	WH	PA	PHC	3I	Py	0.1
						LT	GN	MO	ARG	2I		
48.16	53.68	5.52	GRD	MG	Fresher granodiorite with patchy trace potassic alteration, moderate oxide staining on fractures, and rare calcite veining with narrow proximal phyllic and distal argillic halos.							
						MD	GY		OXI	2I		
						MD	BN		PHC	1I		
									ARG	1I		
53.68	61.16	7.48	GRD	MG	Overlapping proximal phyllic and distal argillic halos on veins and gouge seams. Oxide staining is pervasive, and most intense on argillic alteration. Gouge seams show strong oxidation. White quartz-carbonate veining tends to host blebby pyrite.							
						MD	BN	PA	OXI	3I	Py	0.1
						LT	OR	MO	PHC	3I		
						LT	GN		ARG	3I		
						LT	WH		POT	1I		
61.16	74.94	13.78	GRD	MG	Fresh granodiorite with weak oxide staining on most fracture surfaces, rare proximal phyllic and distal argillic halos on quartz-carbonate veining, mafic xenoliths, and occasional pink aplite dykelets.							
						MD	GY	PA	OXI	2I		
						MD	BN		PHC	1I		
						LT	GN					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
74.94	79.81	4.87	GRD	MG	Wide proximal phyllic and distal argillic halos around banded quartz-carbonate-pyrite veins and gouge seams. Patchy potassic and propylitic overprints.							
						LT	GN	PA	PHC	3I		
						LT	WH	MO	ARG	2I		
						LT	PK		POT	1I		
									PRO	1I		
									SIL	1I		
79.81	89.44	9.63	GRD	MG	Fresher granodiorite with patches of phyllic/argillic alteration around gouge seams. Cut by aplite dykelets.							
						MD	GY	PA	PHC	2I		
						LT	GN		ARG	2I		
						LT	PK		POT	1I		
									PRO	1I		
89.44	91.11	1.67	GRD	MG	Gouge seams and quartz-carbonate vein with wide proximal phyllic and distal argillic halos. Trace hematite in some gouge. Weak potassic overprint.							
						LT	GN	PA	ARG	3I		
						LT	WH		PHC	2I		
						LT	RD		CLY	2I		
						LT	PK		POT	1I		
									HEM	1I		
91.11	95.83	4.72	GRD	MG	Fresh granodiorite with trace potassic overprint.							
						MD	GY	PA	POT	1I		
						LT	PK					
95.83	98.79	2.96	GRD	MG	Gouge seams and softened granodiorite with argillic halos and hematite staining.							
						MD	GY	PA	CLY	2I		
						LT	WH		ARG	2I		
						LT	RD		HEM	1I		
98.79	102.97	4.18	GRD	MG	Fresh granodiorite cut by aplite dykelets, with patchy trace propylitic and potassic alteration.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GY	MO	PRO	1I		
						MD	GN		POT	1I		
						LT	PK					
102.97	106.18	3.21	GRD	MG	Wide proximal phyllic and distal argillic halo on 5 similarly mineralized quartz-carbonate veins with partial gouge alteration. Patchy propylitic and potassic overprints present.							
						MD	GN		POT	1I		
						LT	WH	PA	ARG	3I	Py	0.5
						LT	GN	MO	PHC	3I		
						LT	PK		PRO	1I		
									CLY	1I		
106.18	109.91	3.73	GRD	MG	Fresh granodiorite.							
						MD	GY		POT	1I		
109.91	112.56	2.65	GRD	MG	Proximal phyllic and distal argillic halo on several gouge seams and gouge altered quartz-carbonate-pyrite veins.							
						LT	GN	PA	ARG	4I	Py	0.1
						LT	WH	MO	PHC	3I		
						LT	PK		CLY	2I		
112.56	131.17	18.61	GRD	MG	Fresh granodiorite with patches of trace propylitic, potassic, and proximal phyllic and distal argillic halos on occasional veinlets/gouge seams.							
						MD	GY	PA	POT	1I		
						MD	GN		PHC	1I		
						LT	PK		PRO	1I		
									ARG	1I		
131.17	149.25	18.08	GRD	MG	Wide zone of alternating, overprinting proximal phyllic and distal argillic halos on gouge and quartz-carbonate veinlets. Very little mineralization present, as trace disseminated pyrite in veinlets or in patches disseminated in groundmass. Overprinting potassic/propylitic patches result in mottled green-pink colouration.							
						LT	GN	PA	PHC	3I	Py	0.1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	WH	MO	ARG	2I		
						LT	PK		POT	1I		
									PRO	1I		
149.25	149.39	0.14	VEN	MG	Dark grey gouged BRX hanging wall vein hosting blebby-disseminated pyrite.							
									CLY	3I	Py	4
149.39	149.48	0.09	QFP	FG	Light tan hydrothermally altered quartz feldspar porphyry dyke.							
						LT	TN	PO	HYD	5I		
								RX				
149.48	149.70	0.22	VEN	MG	Dark grey gouged BRX hanging wall vein, hosting blebby-disseminated pyrite.							
						DK	GY		CLY	3I	Py	4
149.70	151.45	1.75	QFP	FG	Light tan-medium maroon quartz feldspar porphyry dyke adjacent to BRX hanging wall veining. Maroon colouration is strongest at its centre, fading to tan near contacts. Cut by narrow gouge seams. Pervasive strong hydrothermal alteration.							
						MD	MR	RX				
						LT	TN	PO				
151.45	153.00	1.55	QFP	FG	Light green-grey quartz feldspar porphyry dyke with pervasive weak silicification and wide mineralized gouge seams. Gouge hosts trace disseminated pyrite.							
						LT	GY	RX	CLY	3I		
						LT	GN	PO	SIL	2I	Py	0.1
									HYD	4I		
153.00	155.71	2.71	QFP	FG	Light green-grey hydrothermally altered quartz feldspar porphyry dyke with gouge seams.							
						LT	GN	RX	HYD	4I		
						LT	GY	PO	CLY	2I		
155.71	155.87	0.16	BXA	FG	Narrow medium grey silicified breccia hosting clasts of granodiorite, quartz feldspar porphyry dyke, and outer edge of BRX footwall vein. Matrix is fine, likely a chilled quartz feldspar porphyry dyke. Vein clasts include blebby pyrite and honey brown sphalerite.							
						MD	GY	RX	HYD	4I	Py	0.5
								PO	SIL	2I	Sp	0.5
								BX				

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
155.87	156.23	0.36	VEN	MG	BRX footwall zone. Vein has a 9cm band of finely intergrown white-dark grey quartz with interstitial very fine pyrite. This central zone is sandwiched by 7cm and 14cm of banded-crustiform-vuggy tan ankerite-quartz. Vugs are now filled by massive clear quartz. Tan ankerite banding preferentially hosts blebby zoned honey brown sphalerite and blebby galena, with some blebby pyrite. Very fine arsenopyrite is densely disseminated in most dark grey quartz. There tends to be wider bands of galena and honey brown sphalerite along the outer selvedges of the BRX vein. There is a short 6cm gap of altered granodiorite, then a 4cm wide vein of tan ankerite with bands of galena, honey brown sphalerite, blebby pyrite, and disseminated arsenopyrite.							
						LT	WH	VU			Py	1
						LT	TN	BN	SIL	2I	Sp	4
						DK	GY	XL			As	1
											Gn	2
156.23	156.68	0.45	GRD	MG	Phyllic bonus vein halo with propylitic overprint and silicification.							
						MD	GN		PRO	2I		
						LT	GN		PHC	3I	Py	0.1
									SIL	2I		
156.68	156.81	0.13	VEN	MG	Bonus vein: White massive quartz vein with central band of coarsely intergrown tan ankerite and quartz. Tan ankerite hosts blebby galena and honey brown sphalerite. Large blebs of pyrite are found along outer quartz selvedges, sometimes with perfect cubic crystals.							
						MD	BR	XL	SIL	2I	Py	5
						LT	WH	MA			Sp	1
											Gn	1
156.81	157.44	0.63	GRD	MG	Phyllic bonus vein halo with propylitic overprint and silicification.							
						MD	GN		PRO	2I		
						LT	GN		PHC	2I	Py	0.1
									SIL	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
157.44	164.40	6.96	GRD	MG	Granodiorite with mafic xenoliths and patches of trace propylitic and potassic alteration .							
						MD	GY	PA	PRO	1I		
						MD	GN		POT	1I		
						LT	PK					
164.40	166.32	1.92	GRD	MG	Proximal phyllic and distal argillic halo on quartz-carbonate veining, most of which is barren. Patchy overprinting propylitic and potassic are present. Stronger argillic is softened.							
						LT	PK	ZO	PHC	2I		
						LT	WH	PA	ARG	3I	Py	0.1
						LT	GN		POT	2I		
									PRO	1I		
166.32	171.25	4.93	GRD	MG	Granodiorite with patches of trace propylitic and potassic alteration.							
						MD	GY	PA	PRO	1I		
						MD	GN					
						LT	PK		POT	1I		
171.25	172.26	1.01	GRD	MG	Proximal phyllic and distal argillic halos on barren quartz-carbonate veining.							
						LT	WH	ZO	ARG	2I		
						LT	GN	PA	PHC	3I		
						LT	PK		POT	1I		
172.26	177.30	5.04	GRD	MG	Granodiorite with patches of trace propylitic and potassic alteration .							
						MD	GY	PA	PRO	1I		
						MD	GN					
						LT	PK		POT	1I		
177.30	181.97	4.67	GRD	MG	Patches of phyllic and argillic alteration related to barren quartz-carbonate veining. Argillic and phyllic are overprinted by weak propylitic and potassic alteration.							
						MD	GN		PHC	2I		
						LT	GN	PA	ARG	3I		
						LT	WH		PRO	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	PK		POT	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
4.20	40.90	36.70	GRD	MG	Granodiorite with weak-moderate oxide staining on fractures, rarely semi-pervasive oxidation on argillic/clay altered patches. Competent recovery, with less fracturing than usual for top of hole. Few patches of weak argillic alteration,.							
						MD	BN		ARG	1I		
									CLY	1I		
						MD	GY		OXI	2I		
40.90	61.16	20.26	GRD	MG	Overlapping proximal phyllic and distal argillic halos on veins and gouge seams. Patches of pervasive oxide staining are present on most argillic patches. Gouge seams show strong oxidation. White quartz-carbonate veining tends to host blebby pyrite.							
						LT	WH	PA	PHC	3I	Py	0.1
						LT	GN	MO	ARG	2I		
						MD	GY		OXI	2I		
						MD	BN		POT	1I		
61.16	74.94	13.78	GRD	MG	Fresh granodiorite with weak oxide staining on most fracture surfaces, rare proximal phyllic and distal argillic halos on quartz-carbonate veining, mafic xenoliths, and occasional pink aplite dykelets.							
						MD	GY	PA	OXI	2I		
						MD	BN		PHC	1I		
						LT	GN					
74.94	79.81	4.87	GRD	MG	Wide proximal phyllic and distal argillic halos around banded quartz-carbonate-pyrite veins and gouge seams. Patchy potassic and propylitic overprints.							
									PRO	1I		
									SIL	1I		
						LT	WH	MO	ARG	2I		
						LT	GN	PA	PHC	3I		
						LT	PK		POT	1I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
79.81	102.97	23.16	GRD	MG	Fresher granodiorite with patches of phyllic/argillic alteration around gouge seams. Cut by aplite dykelets.							
						LT	GN		ARG	2I		
						LT	PK		POT	1I		
									PRO	1I		
						MD	GY	PA	PHC	2I		
102.97	106.18	3.21	GRD	MG	Wide proximal phyllic and distal argillic halo on 5 similarly mineralized quartz-carbonate veins with partial gouge alteration. Patchy propylitic and potassic overprints present.							
									CLY	1I		
						MD	GN		POT	1I		
						LT	PK		PRO	1I		
						LT	WH	PA	ARG	3I	Py	0.5
						LT	GN	MO	PHC	3I		
106.18	109.91	3.73	GRD	MG	Fresh granodiorite.							
						MD	GY		POT	1I		
109.91	112.56	2.65	GRD	MG	Proximal phyllic and distal argillic halo on several gouge seams and gouge altered quartz-carbonate-pyrite veins.							
						LT	PK		CLY	2I		
						LT	GN	PA	ARG	4I	Py	0.1
						LT	WH	MO	PHC	3I		
112.56	131.17	18.61	GRD	MG	Fresh granodiorite with patches of trace propylitic, potassic, and proximal phyllic and distal argillic halos on occasional veinlets/gouge seams.							
						MD	GN		PHC	1I		
									ARG	1I		
						LT	PK		PRO	1I		
						MD	GY	PA	POT	1I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
131.17	149.25	18.08	GRD	MG	Wide zone of alternating, overprinting proximal phyllic and distal argillic halos on gouge and quartz-carbonate veinlets. Very little mineralization present, as trace disseminated pyrite in veinlets or in patches disseminated in groundmass. Overprinting potassic/propylitic patches result in mottled green-pink colouration.							
						LT	GN	PA	PHC	3I	Py	0.1
						LT	WH	MO	ARG	2I		
						LT	PK		POT	1I		
									PRO	1I		
149.25	149.70	0.45	QFP	MG	Interdigitated contact between the BRX hanging wall vein zone and light tan quartz feldspar porphyry dyke. BRX veining is mostly smoky quartz-polymetallic sulphides, however, clay alteration and gouge have modified the appearance of the veining. Veining carries blebby-disseminated pyrite throughout gouge.							
						DK	GY		CLY	3I		
						LT	TN		HYD	4I	Py	2
149.70	155.71	6.01	QFP	FG	Multiphase quartz feldspar porphyry dyke dyke that shows maroon, tan, and green-grey colourations, all with varying phenocryst content. Variable silicification and gouge alteration throughout. Cut by few gouge seams and carbonate veinlets.							
						LT	GN	RX	SIL	2I		
						LT	TN	PO	HYD	4I	Py	0.1
						LT	GY		CLY	2I		
						MD	MR					
155.71	155.87	0.16	BXA	FG	Narrow medium grey silicified breccia hosting clasts of granodiorite, quartz feldspar porphyry dyke, and outer edge of BRX footwall vein. Matrix is fine, likely a chilled quartz feldspar porphyry dyke. Vein clasts include blebby pyrite and honey brown sphalerite.							
								BX				
								PO	SIL	2I	Sp	0.5
						MD	GY	RX	HYD	4I	Py	0.5

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
155.87	156.23	0.36	VEN	MG	BRX footwall zone. Vein has a 9cm band of finely intergrown white-dark grey quartz with interstitial very fine pyrite. This central zone is sandwiched by 7cm and 14cm of banded-crustiform-vuggy tan ankerite-quartz. Vugs are now filled by massive clear quartz. Tan ankerite banding preferentially hosts blebby zoned honey brown sphalerite and blebby galena, with some blebby pyrite. Very fine arsenopyrite is densely disseminated in most dark grey quartz. There tends to be wider bands of galena and honey brown sphalerite along the outer selvedges of the BRX vein. There is a short 6cm gap of altered granodiorite, then a 4cm wide vein of tan ankerite with bands of galena, honey brown sphalerite, blebby pyrite, and disseminated arsenopyrite.							
						LT	WH	VU			Py	1
						DK	GY	XL			As	1
						LT	TN	BN	SIL	2I	Sp	4
											Gn	2
156.23	157.44	1.21	GRD	MG	Phyllic bonus vein halo with propylitic overprint and silicification.							
						MD	GN		PRO	2I	Sp	1
						LT	GN		PHC	3I	Py	1
									SIL	2I	Gn	0.5
157.44	181.97	24.53	GRD	MG	Mostly fresh granodiorite with patches of propylitic and potassic overprint. Cut by carbonate-quartz veining with well defined proximal phyllic and distal argillic halos. EOH							
						MD	GY	PA	PHC	2I		
						MD	GN					
						LT	PK		POT	1I		
						LT	GN	ZO	ARG	2I		
						LT	WH		PRO	1I		

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
0.00	4.20	4.20	0	0	0.00	0	--	--	--	No recovery.
4.20	5.18	0.98	0.93	95	0.20	20	--	4H	3W	
5.18	8.23	3.05	2.66	87	1.52	50	--	4H	3W	
8.23	11.28	3.05	2.76	90	1.96	64	--	4H	2W	
11.28	14.33	3.05	2.88	94	2.00	66	--	4H	2W	
14.33	17.37	3.04	2.82	93	2.04	67	--	4H	2W	
17.37	20.42	3.05	3.01	99	1.82	60	--	4H	2W	
20.42	23.47	3.05	2.62	86	1.86	61	--	4H	2W	
23.47	26.52	3.05	3.05	100	1.67	55	--	1H	4W	
26.52	29.57	3.05	3.05	100	2.10	69	--	4H	2W	
29.57	32.61	3.04	2.92	96	2.32	76	--	4H	2W	
32.61	35.66	3.05	3.05	100	1.72	56	--	2H	3W	
35.66	38.71	3.05	2.9	95	1.78	58	--	4H	2W	
38.71	41.76	3.05	2.84	93	1.95	64	--	4H	1W	
41.76	44.81	3.05	2.74	90	2.24	73	--	4H	3W	
44.81	47.85	3.04	3.02	99	2.58	85	--	4H	2W	
47.85	50.90	3.05	2.8	92	1.93	63	--	4H	2W	
50.90	53.95	3.05	3.02	99	1.58	52	--	4H	2W	
53.95	57.00	3.05	2.9	95	2.02	66	--	4H	3W	
57.00	60.05	3.05	2.89	95	1.70	56	--	4H	3W	
60.05	63.09	3.04	2.97	98	1.91	63	--	4H	2W	
63.09	66.14	3.05	2.89	95	2.22	73	--	4H	2W	
66.14	69.19	3.05	2.92	96	2.29	75	--	4H	1W	
69.19	72.24	3.05	2.45	80	2.45	80	--	4H	1W	
72.24	75.29	3.05	3.01	99	1.54	50	--	4H	1W	
75.29	78.33	3.04	3.04	100	2.51	83	--	4H	1W	
78.33	81.38	3.05	3.05	100	2.27	74	--	3H	1W	
81.38	84.43	3.05	3.03	99	2.04	67	--	4H	1W	
84.43	87.48	3.05	3.05	100	2.14	70	--	4H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
87.48	90.53	3.05	3.05	100	1.92	63	--	3H	1W	
90.53	93.57	3.04	3.04	100	2.42	80	--	4H	1W	
93.57	96.62	3.05	3.05	100	1.64	54	--	4H	1W	
96.62	99.67	3.05	3.05	100	2.35	77	--	2H	1W	
99.67	102.72	3.05	3.05	100	2.06	68	--	4H	1W	
102.72	105.77	3.05	3.01	99	2.18	71	--	3H	1W	
105.77	108.81	3.04	3.04	100	1.94	64	--	4H	1W	
108.81	111.86	3.05	3.04	100	1.87	61	--	3H	1W	
111.86	114.91	3.05	3.05	100	2.46	81	--	4H	1W	
114.91	117.96	3.05	3.05	100	2.63	86	--	4H	1W	
117.96	121.03	3.07	3.05	99	2.32	76	--	3H	1W	
121.03	124.05	3.02	3.02	100	1.85	61	--	4H	1W	
124.05	127.10	3.05	3.05	100	1.78	58	--	4H	1W	
127.10	130.15	3.05	3.05	100	2.59	85	--	3H	1W	
130.15	133.20	3.05	3.05	100	1.57	51	--	3H	1W	
133.20	136.25	3.05	2.94	96	2.17	71	--	3H	1W	
136.25	139.29	3.04	3.02	99	2.37	78	--	3H	1W	
139.29	142.34	3.05	3.05	100	2.83	93	--	3H	1W	
142.34	145.39	3.05	3.04	100	2.30	75	--	3H	1W	
145.39	148.44	3.05	3.05	100	2.96	97	--	3H	1W	
148.44	151.49	3.05	3.01	99	2.07	68	--	3H	1W	
151.49	154.53	3.04	2.96	97	1.27	42	--	3H	1W	
154.53	157.58	3.05	2.96	97	2.72	89	--	3H	1W	
157.58	160.63	3.05	3.05	100	2.70	89	--	4H	1W	
160.63	163.68	3.05	2.99	98	2.64	87	--	4H	1W	
163.68	166.72	3.04	3.04	100	2.44	80	--	3H	1W	
166.72	169.77	3.05	3.03	99	2.72	89	--	4H	1W	
169.77	172.82	3.05	3.03	99	2.56	84	--	3H	1W	
172.82	175.87	3.05	2.92	96	2.85	93	--	4H	1W	
175.87	178.92	3.05	3.05	100	2.69	88	--	3H	1W	
178.92	181.97	3.05	3.04	100	2.94	96	--	3H	1W	

KL-15-266

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
0.00	0.00	0.00	-QC-	0.00	0	R610419	☐	15-066		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R610426	☐	15-066		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R610431	☐	15-066			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R610446	☐	15-070		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R610449	☐	15-070			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R610409	☐	15-066			☑	☐	☐
24.11	24.75	0.64	GRD	0.64	100	R610422	☐	15-066			☐	☐	☐
39.33	39.76	0.43	GRD	0.35	81	R610405	☐	15-065			☐	☐	☐
39.76	41.40	1.64	GRD	1.48	90	R610406	☐	15-065			☐	☐	☐
41.40	42.53	1.13	GRD	1.11	98	R610407	☐	15-066			☐	☐	☐
42.53	43.55	1.02	GRD	0.74	73	R610408	☐	15-066			☐	☐	☐
43.55	44.70	1.15	GRD	1.15	100	R610410	☐	15-066			☐	☐	☐
44.70	45.55	0.85	GRD	0.85	100	R610411	☐	15-066			☐	☐	☐
45.55	46.56	1.01	GRD	1.00	99	R610412	☐	15-066			☐	☐	☐
46.56	48.16	1.60	GRD	1.56	98	R610413	☐	15-066			☐	☐	☐
53.68	56.09	2.41	GRD	2.25	93	R610414	☐	15-066			☐	☐	☐
53.68	56.09	2.41	GRD	2.25	93	R610415	☐	15-066			☐	☐	☑
56.09	57.16	1.07	GRD	1.05	98	R610416	☐	15-066			☐	☐	☐
57.16	57.56	0.40	GRD	0.40	100	R610417	☐	15-066			☐	☐	☐
57.56	58.23	0.67	GRD	0.67	100	R610418	☐	15-066			☐	☐	☐
58.23	59.06	0.83	GRD	0.65	78	R610420	☐	15-066			☐	☐	☐
59.06	61.06	2.00	GRD	2.00	100	R610421	☐	15-066			☐	☐	☐
61.06	62.04	0.98	GRD	0.98	100	R610423	☐	15-066			☐	☐	☐
75.17	75.93	0.76	GRD	0.76	100	R610424	☐	15-066			☐	☐	☐
75.93	77.86	1.93	GRD	1.92	99	R610425	☐	15-066			☐	☐	☐
77.86	78.77	0.91	GRD	0.91	100	R610427	☐	15-066			☐	☐	☐
78.77	79.81	1.04	GRD	1.04	100	R610428	☐	15-066			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
103.01	104.48	1.47	GRD	1.41	96	R610429	☐	15-066			☐	☐	☐
104.48	105.44	0.96	GRD	0.96	100	R610430	☐	15-066			☐	☐	☐
105.44	106.18	0.74	GRD	0.54	73	R610432	☐	15-066			☐	☐	☐
106.18	108.72	2.54	GRD, GRD	2.53	100	R610433	☐	15-066			☐	☐	☐
108.72	110.65	1.93	GRD	1.82	94	R610434	☐	15-066			☐	☐	☐
110.65	111.41	0.76	GRD	0.76	100	R610435	☐	15-066			☐	☐	☐
111.41	112.21	0.80	GRD	0.76	95	R610436	☐	15-066			☐	☐	☐
134.06	135.43	1.37	GRD	1.31	96	R610437	☐	15-066			☐	☐	☐
134.06	135.43	1.37	GRD	1.31	96	R610438	☐	15-066			☐	☑	☐
135.43	136.25	0.82	GRD	0.81	99	R610439	☐	15-066			☐	☐	☐
148.44	149.25	0.81	GRD	0.77	95	R610440	☐	15-066			☐	☐	☐
149.25	149.70	0.45	QFP, GRD	0.45	100	R610441	☐	15-066			☐	☐	☐
149.70	151.45	1.75	QFP, QFP	1.55	89	R610442	☐	15-066			☐	☐	☐
151.45	153.00	1.55	QFP	1.41	91	R610443	☐	15-070			☐	☐	☐
153.00	154.53	1.53	QFP	1.47	96	R610444	☐	15-070			☐	☐	☐
154.53	155.57	1.04	QFP	0.93	89	R610445	☐	15-070			☐	☐	☐
155.57	155.87	0.30	QFP	0.30	100	R610447	☐	15-070			☐	☐	☐
155.87	156.23	0.36	BXA, VEN	0.32	89	R499381	☐	15-068	High grade		☐	☐	☐
156.23	157.00	0.77	GRD, VEN	0.62	81	R610448	☐	15-070			☐	☐	☐
157.00	157.58	0.58	GRD	0.58	100	R610450	☐	15-070			☐	☐	☐

Klaza - Klaza Project

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		381929	6889898	1333.01	236.83

ZONE: Central BRX

SECTION:

HOLE: KL-15-267

CLAIM:

Contractor: Platinum

Drill: 1

Core Size: HQ3

Casing Depth: 1.52m, Out

Drilling Dates: Jul 17 - Jul 20, 2015

Geology Logged By: T. Cruz

SURVEY			
Depth (m)	Azimuth	Dip	Method
23.46	36	-50.6	Reflex
236.82	41.5	-49.7	Reflex

TARGET:

SUMMARY			
From (m)	To (m)	Interval (m)	Rock Type
0	1.52	1.52	CAS
1.52	6.1	4.58	GRD
6.1	13.09	6.99	GRD
13.09	25.12	12.03	GRD
25.12	65.77	40.65	GRD
65.77	68.91	3.14	GRD
68.91	73.96	5.05	GRD
73.96	86.31	12.35	GRD
86.31	87.94	1.63	GRD
87.94	90.4	2.46	GRD
90.4	100.24	9.84	GRD
100.24	117.11	16.87	GRD
117.11	123.21	6.1	GRD
123.21	134.83	11.62	GRD
134.83	139.33	4.5	GRD
139.33	168.6	29.27	GRD

SAMPLES	
Numbers:	R499384 to R499387, R610451 to R610500, R610801 to R610856
Total:	110
Batch:	070, 072, 075, 077, 099
Certificates:	WH15106950, WH15108859, WH15108866, WH15108873, WH15115633, WH15115634

COMMENTS

168.6	172.59	3.99	GRD
172.59	174.58	1.99	GRD
174.58	177.82	3.24	GRD
177.82	215.87	38.05	GRD
215.87	218.87	3	GRD
218.87	221.37	2.5	QFP
221.37	221.88	0.51	GRD
221.88	225.93	4.05	QFP
225.93	227.34	1.41	VEN
227.34	236.83	9.49	GRD

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
1.52	6.10	4.58	GRD	MG	Intensely weathered and oxidized granodiorite, with entirely crumbled, soil-like, and pebbly recovery.							
						MD	BN	PB	OXI	5I		
6.10	13.09	6.99	GRD	MG	Fresh granodiorite with trace oxide staining on fractures.							
						MD	GY		OXI	1I		
13.09	13.47	0.38	GRD	MG	Quartz-carbonate-pyrite vein with silicified phyllic-propylitic halo and oxide staining on fractures.							
						MD	GN		PHC	2I	Py	0.5
						MD	BN		PRO	2I		
									SIL	2I		
									OXI	1I		
13.47	15.50	2.03	GRD	MG	Granodiorite with weak potassic overprint and silicification. Oxide staining on fractures.							
						MD	BN		POT	2I		
						LT	PK		SIL	2I		
									OXI	1I		
15.50	16.16	0.66	GRD	MG	Proximal phyllic and distal argillic halos on pair of qtz-car-sulphide veins. Oxide staining is semipervasive from fractures.							
						MD	GN		PRO	2I		
						MD	BN		OXI	2I		
						LT	GN	ZO	PHC	3I	Py	0.1
16.16	16.92	0.76	GRD	MG	Granodiorite with oxide staining on fractures.							
						MD	BN					
						MD	GY		OXI	1I		
16.92	18.34	1.42	GRD	MG	Proximal phyllic and distal argillic halos on several quartz-pyrite veins and veinlets. Weak-moderate propylitic overprints phyllic alteration. Oxide staining is semipervasive from fractures.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GN	ZO	ARG	3I		
						MD	GY	PA	PHC	2I	Py	0.5
						MD	BN		SIL	1I		
						LT	WH		PRO	2I		
									OXI	2I		
18.34	21.76	3.42	GRD	MG	Moderate-strongly argillic altered granodiorite with narrow, well defined phyllic halos on quartz-carbonate-pyrite veinlets. Semipervsive-patchy oxide staining stemming from fractures. Some sections of stronger argillic alteration are crumbled.							
						MD	BN		OXI	2I		
						LT	WH		ARG	3I	Py	0.1
									PHC	1I		
21.76	22.30	0.54	GRD	MG	Fresh granodiorite with oxide staining on fractures.							
						MD	GN	FR	OXI	1I		
						MD	BN					
22.30	22.97	0.67	GRD	MG	Moderate argillic altered and partially crumbled granodiorite. Oxide staining only on fractures.							
						MD	BN		OXI	1I		
						LT	WH		ARG	4I		
22.97	25.12	2.15	GRD	MG	Overlapping proximal phyllic and distal argillic halos on many quartz-carbonate-pyrite veins and veinlets. Oxide staining only on fracture surfaces. Patchy propylitic and silica overprinting.							
						MD	GN	ZO	PHC	3I		
						MD	BN		PRO	2I		
						LT	GN	PA	ARG	2I	Py	0.1
						LT	WH		OXI	1I		
									SIL	1I		
25.12	35.58	10.46	GRD	MG	Granodiorite with oxide staining on fractures.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GY		OXI	1I		
						MD	BN					
35.58	36.65	1.07	GRD	MG	Proximal phyllic and distal argillic halo on several quartz-carbonate-pyrite-honey brown sphalerite veins. Propylitic overprints interval, with oxide staining on fractures.							
						MD	BN		ARG	2I	Sp	0.1
						MD	GN		PHC	2I	Py	0.1
						LT	WH		PRO	3I		
									OXI	1I		
36.65	41.68	5.03	GRD	MG	Granodiorite with oxide staining on fractures, cut by quartz-carbonate-pyrite veinlets with narrow phyllic halos.							
						MD	GY	PA	PRO	2I	Py	0.1
						MD	GN		PHC	2I		
						MD	BN					
						LT	GN		OXI	1I		
41.68	43.33	1.65	GRD	MG	Argillic altered granodiorite with weak propylitic overprint and oxide staining in crumbled argillic sections.							
						MD	GY		ARG	3I		
						MD	BN					
						LT	WH		OXI	1I		
43.33	45.53	2.20	GRD	MG	Fresh granodiorite with trace oxide staining on some fractures.							
						MD	BN					
						MD	GY		OXI	1I		
45.53	47.74	2.21	GRD	MG	Wide patch of argillic alteration with potassic overprint, cut by quartz-carbonate-pyrite veining with narrow phyllic halos. Oxide staining on fractures.							
						MD	BN					
						LT	PK	ZO	ARG	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	WH	PA	OXI	1I	Py	0.1
						LT	GN		PHC	2I		
47.74	51.70	3.96	GRD	MG	Fresh granodiorite with oxide staining on fractures.							
						MD	GY		OXI	1I		
						MD	BN					
51.70	53.72	2.02	GRD	MG	Moderately argillic altered granodiorite with potassic and patchy propylitic overprint. Oxide staining on fractures.							
						MD	GN		OXI	1I		
						MD	BN		PRO	1I		
						LT	WH	MO	ARG	3I		
						LT	PK		POT	2I		
53.72	65.77	12.05	GRD	MG	Fresh granodiorite with patchy trace propylitic and potassic.							
						MD	GY	PA	PRO	1I		
						MD	GN		POT	1I		
						LT	PK					
65.77	68.91	3.14	GRD	MG	Granodiorite with a wide proximal phyllic and distal argillic halo around quartz-carbonate veins. There is patchy weak potassic and propylitic overprint.							
						MD	GN		PRO	1I		
						LT	WH	ZO	PHC	2I		
						LT	GN	PA	ARG	3I	Py	0.1
						LT	PK		POT	1I		
68.91	73.96	5.05	GRD	MG	Patches of weak argillic alteration, with propylitic and potassic overprint.							
						MD	GN		PRO	2I		
						MD	GY					
						LT	WH	PA	ARG	2I		
						LT	PK		POT	1I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
73.96	75.87	1.91	GRD	MG	Granodiorite with patchy propylitic overprint.							
						MD	GY	PA	PRO	2I		
						MD	GN		SIL	1I		
75.87	77.18	1.31	GRD	MG	Granodiorite with moderate propylitic and silicification.							
						MD	GN	RX	PRO	3I		
									SIL	2I		
77.18	86.31	9.13	GRD	MG	Granodiorite with patches of weak propylitic.							
						MD	GY	PA	PRO	2I		
						MD	GN					
86.31	87.94	1.63	GRD	MG	Proximal phyllic and distal argillic halo around a vuggy calcite vein with very large crystals. There is a weak potassic overprint on argillic halo.							
						LT	WH	PA	ARG	3I	Py	0.1
						LT	PK	MO	PHC	2I		
						LT	GN		POT	2I		
87.94	90.40	2.46	GRD	MG	Granodiorite with patchy propylitic overprint.							
						MD	GY	PA	PRO	1I		
						MD	GN					
90.40	100.24	9.84	GRD	MG	Overlapping proximal phyllic and distal argillic halos on quartz-carbonate veins. Most of these veins are barren, however, some have disseminated pyrite. There is a weak potassic overprint on most of the argillic alteration, and trace patchy propylitic overprint throughout. Some stronger argillic alteration is crumbled.							
						MD	GN		PHC	3I		
						LT	WH	PA	ARG	3I	Py	0.1
						LT	PK	MO	POT	2I		
						LT	GN		PRO	1I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
100.24	108.11	7.87	GRD	MG	Fresh granodiorite with patches of trace potassic and propylitic. Cut by few quartz-carbonate veins with narrow proximal phyllic and distal argillic halos.							
						MD	GY		ARG	1I		
						MD	GN					
						LT	GN		PHC	1I		
						LT	WH		POT	1I		
						LT	PK		PRO	2I		
108.11	110.15	2.04	GRD	MG	Proximal phyllic and distal argillic halo with propylitic overprint. Quartz-carbonate vein hosts disseminated pyrite, and there is disseminated pyrite in phyllic groundmass.							
						LT	GN		PHC	3I	Py	0.5
									SIL	1I		
110.15	117.11	6.96	GRD	MG	Fresh granodiorite with patchy weak propylitic and potassic overprint.							
						MD	GN	PA	POT	1I		
						MD	GY	MO	PRO	2I		
						LT	PK					
117.11	123.21	6.10	GRD	MG	Overlapping proximal phyllic and distal argillic halos on quartz-carbonate veins with rare disseminated pyrite. There is patchy propylitic and potassic alteration over argillic halos.							
						MD	GN		POT	1I		
						LT	PK		PHC	2I		
						LT	WH		ARG	3I	Py	0.1
						LT	GN		PRO	1I		
123.21	126.27	3.06	GRD	MG	Fresh granodiorite with argillic alteration around a long, very low angle calcite vein.							
						MD	GY		ARG	2I		
126.27	128.40	2.13	GRD	MG	Wide proximal phyllic and distal argillic halo around two quartz-carbonate veins with trace disseminated pyrite in some phyllic halos. There is potassic alteration overprinting argillic halos.							
						LT	WH	PA	ARG	3I	Py	0.1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	PK	MO	PHC	2I		
						LT	GN		PRO	1I		
									POT	1I		
128.40	130.01	1.61	GRD	MG	Fresh granodiorite.							
						MD	GY					
130.01	131.11	1.10	GRD	MG	Proximal phyllic and distal argillic halo on a pair of quartz-carbonate veins hosting fine blebby pyrite.							
						LT	WH		ARG	3I	Py	0.1
						LT	GN		PHC	2I	Py	0.1
						LT	PK		POT	1I		
131.11	134.83	3.72	GRD	MG	Fresh granodiorite with patchy propylitic and cut by a quartz-carbonate vein with weak phyllic-propylitic halo.							
						MD	GY	PA	PHC	2I	Py	0.1
						MD	GN		PRO	2I	Sp	0.1
						LT	GN				Gn	0.1
134.83	139.33	4.50	GRD	MG	Granodiorite with overlapping patches of alteration related to proximal phyllic and distal argillic vein halos. There is often a potassic/propylitic overprint on said halos. Cut by quartz-carbonate veining with pyrite.							
						LT	PK	PA	PHC	2I	Py	0.1
						LT	WH	MO	ARG	3I	Sp	0.1
						LT	GN		POT	2I		
									PRO	1I		
139.33	143.69	4.36	GRD	MG	Fresher granodiorite with patches of trace-weak propylitic and potassic alteration.							
						MD	GY	PA	PRO	1I		
						MD	GN		POT	1I		
						LT	PK					
143.69	145.12	1.43	GRD	MG	Wide proximal phyllic and distal argillic halo on a pair of quartz-carbonate veins with disseminated pyrite.							
						LT	WH	PA	PHC	2I	Py	0.1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	PK	MO	ARG	3I		
						LT	GN		POT	1I		
145.12	155.56	10.44	GRD	MG	Granodiorite with patches of trace propylitic and potassic.							
						MD	GN	PA	PRO	1I		
						LT	PK		POT	1I		
155.56	156.78	1.22	GRD	MG	Proximal phyllic and distal argillic halos on quartz-carbonate veins. Patchy weak propylitic and potassic overprints the halo.							
						MD	GN		PRO	1I		
						LT	WH	PA	ARG	2I	Py	0.1
						LT	PK	MO	PHC	2I		
									POT	1I		
156.78	158.14	1.36	GRD	MG	Fresh granodiorite.							
						MD	GY		POT	1I		
158.14	160.03	1.89	GRD	MG	Proximal phyllic and distal argillic halo on several quartz-carbonate veinlets. There is potassic overprint on argillic halo.							
						LT	GN	ZO	POT	2I		
						LT	WH	MO	ARG	3I		
						LT	PK		PRO	1I		
									PHC	2I		
160.03	163.87	3.84	GRD	MG	Fresh granodiorite.							
						MD	GY					
163.87	165.33	1.46	GRD	MG	Wide argillic and narrow propylitic halo on a banded quartz-carbonate-pyrite vein. Pervasive moderate potassic alteration overprints argillic halo.							
						MD	PK		PRO	1I		
						MD	GN		POT	3I		
						LT	WH	MO	ARG	3I	Py	0.1
165.33	168.60	3.27	GRD	MG	Fresh granodiorite with narrow phyllic halos on quartz veinlets.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GY		PHC	2I	Py	0.1
						LT	GN					
168.60	172.59	3.99	GRD	MG	Proximal phyllic and distal argillic halos on vuggy quartz-carbonate veining with pyrite and arsenopyrite. There is potassic overprinting argillic halo, and propylitic overprint on phyllic halos.							
						MD	GN	PA	PRO	2I	As	0.1
						LT	WH	ZO	ARG	3I	Py	0.5
						LT	GN	MO	POT	2I	Py	0.1
						LT	PK		PHC	2I	As	0.1
172.59	174.58	1.99	GRD	MG	Fresh granodiorite.							
						MD	GY					
174.58	177.82	3.24	GRD	MG	Overlapping zoned proximal phyllic and distal argillic halos on several quartz-tourmaline veinlets hosting blebby pyrite.							
						MD	GN		ARG	3I		
						LT	WH	PA	PRO	2I	To	0.1
						LT	PK	MO	PHC	2I	Py	0.1
						LT	GN		POT	2I		
177.82	181.08	3.26	GRD	MG	Granodiorite with patches of proximal phyllic and distal argillic alteration around veining.							
						MD	GY	PA	PHC	2I		
						MD	GN		ARG	2I		
						LT	WH					
						LT	PK		PRO	1I		
						LT	GN		POT	1I		
181.08	182.33	1.25	GRD	MG	Proximal phyllic and distal argillic halo around quartz-carbonate veining with tourmaline and pyrite.							
						LT	WH		ARG	2I	Py	0.1
						LT	GN		PHC	3I	To	0.1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
182.33	186.46	4.13	GRD	MG	Proximal phyllic and distal argillic halos on three quartz-carbonate-tourmaline veinlets. There is propylitic overprint adjacent to veins.							
						MD	GN		PRO	1I	Py	0.1
						LT	GN	ZO	PHC	3I	To	0.1
						LT	WH		ARG	2I		
186.46	206.10	19.64	GRD	MG	Fresh granodiorite.							
						MD	GY					
206.10	209.17	3.07	GRD	MG	Proximal phyllic and distal argillic halos on quartz-carbonate-pyrite veins. One vuggy carbonate-rhodochrosite vein hosts pyrite and honey brown sphalerite. Patchy propylitic and potassic overprints halos.							
						MD	GN		PRO	2I		
						LT	WH	PA	ARG	3I	Py	0.1
						LT	PK	MO	PHC	3I	Sp	0.1
						LT	GN		POT	2I		
209.17	215.87	6.70	GRD	MG	Fresh granodiorite cut by aplite dykelets and calcite veinlets. Weak patches of propylitic alteration.							
						MD	GY	PA	PRO	2I		
						MD	GN					
215.87	216.97	1.10	GRD	MG	Proximal phyllic and distal argillic halos around quartz veining with trace pyrite. Argillic alteration is overprinted by propylitic and potassic.							
						MD	GY					
						MD	GN		PRO	2I		
						LT	PK	ZO	POT	2I		
						LT	GN	PA	PHC	3I		
						LT	WH	MO	ARG	2I		
216.97	217.86	0.89	GRD	MG	Fresh granodiorite.							
						MD	GY					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
217.86	218.87	1.01	GRD	MG	Proximal phyllic and distal argillic halos around quartz veining with trace pyrite. Argillic alteration is overprinted by propylitic and potassic. Very poor mineralization along the quartz feldspar porphyry dyke contact.							
						MD	GN		PRO	2I		
						LT	PK	ZO	POT	2I		
						LT	GN	PA	PHC	3I	Py	0.5
						LT	WH	MO	ARG	2I		
218.87	221.37	2.50	QFP	FG	Medium grey hydrothermally altered quartz feldspar porphyry dyke. Cut by calcite veinlets and gouge seams. Patchy silicification.							
						MD	GY	PO	HYD	4I		
								RX	SIL	2I		
221.37	221.88	0.51	GRD	MG	Mineralized mid-dyke granodiorite cut by quartz veining and gouge seams. Quartz veining hosts blebby pyrite, honey brown sphalerite, galena, and arsenopyrite.							
						MD	GN	RB	PHC	2I	Py	3
						MD	GY	FR	CLY	3I	Gn	1.5
						LT	GN				Sp	1
						LT	GY				As	1.5
221.88	225.93	4.05	QFP	FG	Light-medium grey hydrothermally altered quartz feldspar porphyry dyke with some lighter red colouration. Cut by gouge seams and calcite veinlets.							
						MD	GY	PO	HYD	4I		
						LT	GY	RX	CLY	3I		
						LT	RD					
225.93	227.34	1.41	VEN	MG	BRX Footwall vein zone. Wide mineralized quartz-carbonate breccia, dominated by grey-milky quartz matrix. Clasts are mineralized quartz veins, phyllic granodiorite, and minor quartz feldspar porphyry dyke. Sulphides are mostly distributed among quartz, though blebby pyrite is hosted in phyllic granodiorite. Quartz hosts disseminated-blebby arsenopyrite, blebby to semi-massive galena, and blebby honey brown sphalerite.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GY	BX	CLY	1I	Py	3
						LT	GN	XL			Sp	1
						LT	WH				As	2
						DK	GY	CR	PHC	3I	Gn	1
227.34	228.75	1.41	GRD	MG	Granodiorite cut by occasional veining accompanied by proximal phyllic and distal argillic halos. Argillic halos are typically overprinted by propylitic and potassic alteration.							
						MD	GN	ZO				
						LT	GN	PA				
						LT	WH	MO				
						LT	PK					
228.75	234.77	6.02	GRD	MG	Mostly fresh granodiorite with rare quartz-carbonate veinlets with narrow phyllic halos.							
						MD	GY	PA	PHC	2I		
						MD	GN					
						LT	GN		PRO	2I		
234.77	236.44	1.67	GRD	MG	Proximal phyllic and distal argillic halo on a pair of banded quartz-carbonate-pyrite veins. Weak propylitic overprint.							
						MD	GN		PRO	2I		
						LT	GN	ZO	PHC	3I	Py	0.1
						LT	WH		ARG	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
1.52	6.10	4.58	GRD	MG	Intensely weathered and oxidized granodiorite, with entirely crumbled, soil-like, and pebbly recovery.							
						MD	BN	PB	OXI	5I		
6.10	13.09	6.99	GRD	MG	Fresh granodiorite with trace oxide staining on fractures.							
						MD	GY		OXI	1I		
13.09	25.12	12.03	GRD	MG	Alternating patches of proximal phyllic and distal argillic vein halos with fresher granodiorite. Semipervasive oxide staining in phyllic-argillic patches, while staining it limited to fracture surfaces in fresher granodiorite. Patchy propylitic overprints argillic and phyllic alteration. Interval is cut by many quartz-carbonate veinlets, most of which host pyrite.							
						MD	GY	PA	OXI	2I	Py	0.5
						MD	BN	ZO	PRO	1I		
						LT	GN		PHC	3I		
						LT	WH		ARG	3I		
						MD	GN		SIL	1I		
25.12	65.77	40.65	GRD	MG	Fresh granodiorite cut by occasional quartz-carbonate-pyrite veins with proximal phyllic and distal argillic halos. Oxide staining on most fractures.							
						MD	BN		ARG	2I		
						LT	GN		OXI	1I		
						LT	WH					
						MD	GY	PA	PHC	2I		
65.77	68.91	3.14	GRD	MG	Granodiorite with a wide proximal phyllic and distal argillic halo around quartz-carbonate veins. There is patchy weak potassic and propylitic overprint.							
						MD	GN		PRO	1I		
						LT	GN	PA	ARG	3I	Py	0.1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	PK		POT	1I		
						LT	WH	ZO	PHC	2I		
68.91	73.96	5.05	GRD	MG	Patches of weak argillic alteration, with propylitic and potassic overprint.							
						MD	GY					
						LT	WH	PA	ARG	2I		
						LT	PK		POT	1I		
						MD	GN		PRO	2I		
73.96	86.31	12.35	GRD	MG	Granodiorite with patchy propylitic overprint.							
						MD	GN		SIL	1I		
						MD	GY	PA	PRO	2I		
86.31	87.94	1.63	GRD	MG	Proximal phyllic and distal argillic halo around a vuggy calcite vein with very large crystals. There is a weak potassic overprint on argillic halo.							
						LT	WH	PA	ARG	3I	Py	0.1
						LT	PK	MO	PHC	2I		
						LT	GN		POT	2I		
87.94	90.40	2.46	GRD	MG	Granodiorite with patchy propylitic overprint.							
						MD	GN					
						MD	GY	PA	PRO	1I		
90.40	100.24	9.84	GRD	MG	Overlapping proximal phyllic and distal argillic halos on quartz-carbonate veins. Most of these veins are barren, however, some have disseminated pyrite. There is a weak potassic overprint on most of the argillic alteration, and trace patchy propylitic overprint throughout. Some stronger argillic alteration is crumbled.							
						LT	PK	MO	POT	2I		
						LT	GN		PRO	1I		
						MD	GN		PHC	3I		
						LT	WH	PA	ARG	3I	Py	0.1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
100.24	117.11	16.87	GRD	MG	Fresh granodiorite with patches of trace potassic and propylitic. Cut by few quartz-carbonate veins with narrow proximal phyllic and distal argillic halos.							
						MD	GY	PA	ARG	1I		
						LT	GN	MO	PHC	1I		
						LT	WH		POT	1I		
						LT	PK		PRO	2I		
						MD	GN					
117.11	123.21	6.10	GRD	MG	Overlapping proximal phyllic and distal argillic halos on quartz-carbonate veins with rare disseminated pyrite. There is patchy propylitic and potassic alteration over argillic halos.							
						LT	WH		ARG	3I	Py	0.1
						LT	PK		PHC	2I		
						MD	GN		POT	1I		
						LT	GN		PRO	1I		
123.21	134.83	11.62	GRD	MG	Granodiorite with patchy alteration related to proximal phyllic and distal argillic vein halos. There is patchy propylitic and potassic alteration overprinting argillic halos.							
						MD	GY	PA	PHC	2I		
						LT	PK		PRO	2I		
						LT	GN					
						MD	GN	MO	ARG	2I		
						LT	WH		POT	1I		
134.83	139.33	4.50	GRD	MG	Granodiorite with overlapping patches of alteration related to proximal phyllic and distal argillic vein halos. There is often a potassic/propylitic overprint on said halos. Cut by quartz-carbonate veining with pyrite.							
						LT	WH	MO	ARG	3I	Sp	0.1
						LT	PK	PA	PHC	2I	Py	0.1
						LT	GN		POT	2I		
									PRO	1I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
139.33	168.60	29.27	GRD	MG	Granodiorite cut by quartz-carbonate veining accompanied by proximal phyllic and distal argillic halos. Patchy trace-weak propylitic and potassic overprints non-phyllic granodiorite.							
						LT	PK					
						LT	GN		PRO	1I		
						LT	WH		POT	1I		
						MD	GN		PHC	1I		
						MD	GY	PA	ARG	2I		
168.60	172.59	3.99	GRD	MG	Proximal phyllic and distal argillic halos on vuggy quartz-carbonate veining with pyrite and arsenopyrite. There is potassic overprinting argillic halo, and propylitic overprint on phyllic halos.							
						MD	GN	PA	PRO	2I	As	0.1
						LT	GN	MO	POT	2I	Py	0.1
						LT	WH	ZO	ARG	3I	Py	0.5
						LT	PK		PHC	2I	As	0.1
172.59	174.58	1.99	GRD	MG	Fresh granodiorite.							
						MD	GY					
174.58	177.82	3.24	GRD	MG	Overlapping zoned proximal phyllic and distal argillic halos on several quartz-tourmaline veinlets hosting blebby pyrite.							
						LT	WH	PA	PRO	2I	To	0.1
						LT	PK	MO	PHC	2I	Py	0.1
						MD	GN		ARG	3I		
						LT	GN		POT	2I		
177.82	215.87	38.05	GRD	MG	Granodiorite with patches of proximal phyllic and distal argillic alteration around veining.							
						LT	WH					
						LT	PK		PRO	1I		
						LT	GN		POT	1I		
						MD	GN		ARG	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GY	PA	PHC	2I		
215.87	218.87	3.00	GRD	MG	Proximal phyllic and distal argillic halos around quartz veining with trace pyrite. Argillic alteration is overprinted by propylitic and potassic. Very poor mineralization along the quartz feldspar porphyry dyke contact.							
						MD	GY					
						LT	GN	PA	PHC	3I		
						LT	WH	MO	ARG	2I		
						LT	PK	ZO	POT	2I		
						MD	GN		PRO	2I		
218.87	221.37	2.50	QFP	FG	Medium grey hydrothermally altered quartz feldspar porphyry dyke. Cut by calcite veinlets and gouge seams. Patchy silicification.							
								RX	SIL	2I		
						MD	GY	PO	HYD	4I		
221.37	221.88	0.51	GRD	MG	Mineralized mid-dyke granodiorite cut by quartz veining and gouge seams. Quartz veining hosts blebby pyrite, honey brown sphalerite, galena, and arsenopyrite. Recovery is very rubbly.							
						MD	GY	FR	CLY	3I	Gn	1.5
						MD	GN	RB	PHC	2I	Py	3
						LT	GN				Sp	1
						LT	GY				As	1.5
221.88	225.93	4.05	QFP	FG	Light-medium grey hydrothermally altered quartz feldspar porphyry dyke with some lighter red colouration. Cut by gouge seams and calcite veinlets.							
						LT	GY	RX	CLY	3I		
						MD	GY	PO	HYD	4I		
						LT	RD					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
225.93	227.34	1.41	VEN	MG	BRX Footwall vein zone. Wide mineralized quartz-carbonate breccia, dominated by grey-milky quartz matrix. Clasts are mineralized quartz veins, phyllic granodiorite, and minor quartz feldspar porphyry dyke. Sulphides are mostly distributed among quartz, though blebby pyrite is hosted in phyllic granodiorite. Quartz hosts disseminated-blebby arsenopyrite, blebby to semi-massive galena, and blebby honey brown sphalerite.							
						MD	GY	BX	CLY	1I	Py	3
						DK	GY	CR	PHC	3I	Gn	1
						LT	GN	XL			Sp	1
						LT	WH				As	2
227.34	236.83	9.49	GRD	MG	Granodiorite cut by occasional veining accompanied by proximal phyllic and distal argillic halos. Argillic halos are typically overprinted by propylitic and potassic alteration.							
						LT	GN	PA				
						LT	PK					
						MD	GN	ZO				
						LT	WH	MO				

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
0.00	2.13	2.13	0.72	34	0.00	0	--	1H	4W	
2.13	5.18	3.05	1.82	60	0.11	4	--	1H	4W	
5.18	8.23	3.05	2.53	83	1.02	33	--	3H	2W	
8.23	11.28	3.05	2.94	96	2.54	83	--	4H	2W	
11.28	14.33	3.05	3.04	100	2.82	92	--	4H	2W	
14.33	17.37	3.04	3.04	100	1.74	57	--	3H	2W	
17.37	20.42	3.05	3.04	100	1.57	51	--	3H	2W	
20.42	23.47	3.05	2.94	96	2.27	74	--	3H	1W	
23.47	26.52	3.05	3.01	99	1.58	52	--	4H	1W	
26.52	29.56	3.04	3.04	100	2.01	66	--	4H	1W	
29.56	32.61	3.05	3.04	100	1.76	58	--	4H	1W	
32.61	35.66	3.05	3.05	100	2.67	88	--	4H	1W	
35.66	38.71	3.05	2.92	96	1.89	62	--	4H	1W	
38.71	41.76	3.05	2.86	94	1.66	54	--	4H	1W	
41.76	44.81	3.05	3.05	100	2.21	72	--	3H	1W	
44.81	47.85	3.04	2.99	98	2.64	87	--	3H	1W	
47.85	50.90	3.05	3.05	100	2.62	86	--	4H	1W	
50.90	53.95	3.05	3.05	100	2.14	70	--	3H	1W	
53.95	57.00	3.05	3.05	100	2.28	75	--	4H	1W	
57.00	60.05	3.05	3.05	100	2.74	90	--	5H	1W	
60.05	63.09	3.04	3.04	100	2.73	90	--	4H	1W	
63.09	66.14	3.05	3.04	100	2.83	93	--	4H	1W	
66.14	69.19	3.05	3.05	100	2.31	76	--	4H	1W	
69.19	72.24	3.05	3.05	100	2.78	91	--	4H	1W	
72.24	75.29	3.05	3.05	100	2.88	94	--	4H	1W	
75.29	78.33	3.04	3.04	100	3.04	100	--	4H	1W	
78.33	81.38	3.05	3.03	99	2.89	95	--	4H	1W	
81.38	84.43	3.05	3.05	100	2.79	91	--	4H	1W	
84.43	87.48	3.05	3.05	100	2.63	86	--	4H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
87.48	90.53	3.05	3.05	100	2.73	90	--	4H	1W	
90.53	93.57	3.04	3.04	100	2.09	69	--	4H	1W	
93.57	96.62	3.05	3.05	100	2.82	92	--	4H	1W	
96.62	99.67	3.05	3.05	100	2.66	87	--	2H	1W	
99.67	102.72	3.05	3.05	100	2.65	87	--	3H	1W	
102.72	105.77	3.05	3.05	100	2.81	92	--	4H	1W	
105.77	108.81	3.04	3.04	100	2.69	88	--	5H	1W	
108.81	111.86	3.05	3.05	100	2.84	93	--	4H	1W	
111.86	114.90	3.04	3.01	99	2.56	84	--	4H	1W	
114.90	117.95	3.05	3.05	100	2.32	76	--	3H	1W	
117.95	121.00	3.05	3.05	100	2.18	71	--	3H	1W	
121.00	124.05	3.05	3.04	100	2.85	93	--	3H	1W	
124.05	127.10	3.05	3.04	100	2.03	67	--	3H	1W	
127.10	130.15	3.05	3.05	100	2.11	69	--	4H	1W	
130.15	133.20	3.05	3.05	100	2.19	72	--	4H	1W	
133.20	136.25	3.05	3	98	2.14	70	--	4H	1W	
136.25	139.29	3.04	3.04	100	2.86	94	--	4H	1W	
139.29	142.34	3.05	3.05	100	2.43	80	--	4H	1W	
142.34	145.39	3.05	3.05	100	2.27	74	--	4H	1W	
145.39	148.44	3.05	3.05	100	1.94	64	--	4H	1W	
148.44	151.49	3.05	3.01	99	2.20	72	--	4H	1W	
151.49	154.53	3.04	3.04	100	1.46	48	--	4H	1W	
154.53	157.58	3.05	2.96	97	1.77	58	--	4H	1W	
157.58	160.63	3.05	2.94	96	2.17	71	--	4H	1W	
160.63	163.68	3.05	2.93	96	2.06	68	--	5H	1W	
163.68	166.73	3.05	2.97	97	2.22	73	--	4H	1W	
166.73	169.77	3.04	3.04	100	2.51	83	--	4H	1W	
169.77	172.82	3.05	2.94	96	1.84	60	--	4H	1W	
172.82	175.87	3.05	3.05	100	2.51	82	--	4H	1W	
175.87	178.92	3.05	2.95	97	2.44	80	--	4H	1W	
178.92	181.97	3.05	3.05	100	2.33	76	--	5H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
181.97	185.01	3.04	2.98	98	2.73	90	--	4H	1W	
185.01	188.06	3.05	3.05	100	2.32	76	--	4H	1W	
188.06	191.11	3.05	3.05	100	2.12	70	--	4H	1W	
191.11	194.16	3.05	2.9	95	1.19	39	--	4H	1W	
194.16	197.21	3.05	2.76	90	0.92	30	--	4H	1W	
197.21	200.25	3.04	2.97	98	2.24	74	--	5H	1W	
200.25	203.30	3.05	3.05	100	1.55	51	--	5H	1W	
203.30	206.35	3.05	2.98	98	2.41	79	--	5H	1W	
206.35	209.40	3.05	3.05	100	2.16	71	--	4H	1W	
209.40	212.45	3.05	2.95	97	1.31	43	--	2H	1W	
212.45	215.49	3.04	3.04	100	1.39	46	--	2H	1W	
215.49	218.54	3.05	3.05	100	1.51	50	--	3H	1W	
218.54	221.59	3.05	3.05	100	1.24	41	--	3H	1W	
221.59	224.64	3.05	3.05	100	0.88	29	--	3H	1W	
224.64	227.69	3.05	3.05	100	1.70	56	--	4H	1W	
227.69	230.73	3.04	3	99	1.80	59	--	4H	1W	
230.73	233.78	3.05	2.95	97	1.90	62	--	3H	1W	
233.78	236.83	3.05	3.05	100	1.53	50	--	3H	1W	

KL-15-267

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
0.00	0.00	0.00	-QC-	0.00	0	R499387	☐	15-099	HG		☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R610461	☐	15-070		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R610465	☐	15-070			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R610484	☐	15-072		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R610492	☐	15-072			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R610500	☐	15-072		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R610809	☐	15-072			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R610824	☐	15-075		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R610829	☐	15-075			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R610836	☐	15-075		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R610846	☐	15-075			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R499385	☐	15-099	HG	ME-140	☐	☐	☐
13.09	13.47	0.38	GRD, GRD	0.37	97	R610451	☐	15-070			☐	☐	☐
13.47	15.73	2.26	GRD	2.21	98	R610452	☐	15-070			☐	☐	☐
13.47	15.73	2.26	GRD	2.21	98	R610453	☐	15-070			☐	☐	☑
15.73	16.07	0.34	GRD	0.34	100	R610454	☐	15-070			☐	☐	☐
16.07	17.41	1.34	GRD	1.34	100	R610455	☐	15-070			☐	☐	☐
17.41	18.22	0.81	GRD	0.71	88	R610456	☐	15-070			☐	☐	☐
18.22	20.13	1.91	GRD	1.74	91	R610457	☐	15-070			☐	☐	☐
20.13	20.42	0.29	GRD	0.29	100	R610458	☐	15-070			☐	☐	☐
20.42	23.29	2.87	GRD	2.37	83	R610459	☐	15-070			☐	☐	☐
23.29	24.42	1.13	GRD	1.13	100	R610460	☐	15-070			☐	☐	☐
24.42	25.00	0.58	GRD	0.58	100	R610462	☐	15-070			☐	☐	☐
34.85	35.75	0.90	GRD	0.83	92	R610463	☐	15-070			☐	☐	☐
35.75	36.45	0.70	GRD	0.69	99	R610464	☐	15-070			☐	☐	☐
36.45	38.33	1.88	GRD	1.47	78	R610466	☐	15-070			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
38.33	39.78	1.45	GRD	1.45	100	R610467	☐	15-070			☐	☐	☐
60.05	60.80	0.75	GRD	0.73	97	R610468	☐	15-070			☐	☐	☐
60.05	60.80	0.75	GRD	0.73	97	R610469	☐	15-070			☐	☑	☐
60.80	61.11	0.31	GRD	0.31	100	R610470	☐	15-070			☐	☐	☐
61.11	63.09	1.98	GRD	1.94	98	R610471	☐	15-070			☐	☐	☐
63.09	63.40	0.31	GRD	0.30	97	R610472	☐	15-070			☐	☐	☐
63.40	66.30	2.90	GRD	2.81	97	R610473	☐	15-070			☐	☐	☐
66.30	66.80	0.50	GRD	0.50	100	R610474	☐	15-070			☐	☐	☐
66.80	67.86	1.06	GRD	1.01	95	R610475	☐	15-070			☐	☐	☐
67.86	68.23	0.37	GRD	0.33	89	R610476	☐	15-070			☐	☐	☐
86.31	87.00	0.69	GRD, GRD	0.60	87	R610477	☐	15-070			☐	☐	☐
87.00	87.94	0.94	GRD	0.92	98	R610478	☐	15-070			☐	☐	☐
87.94	89.35	1.41	GRD, GRD	1.39	99	R610479	☐	15-072			☐	☐	☐
87.94	89.35	1.41	GRD, GRD	1.39	99	R610480	☐	15-072			☐	☑	☐
89.35	91.70	2.35	GRD	2.30	98	R610481	☐	15-072			☐	☐	☐
91.70	92.27	0.57	GRD	0.57	100	R610482	☐	15-072			☐	☐	☐
92.27	93.35	1.08	GRD	1.08	100	R610483	☐	15-072			☐	☐	☐
93.35	94.02	0.67	GRD	0.67	100	R610485	☐	15-072			☐	☐	☐
94.02	96.06	2.04	GRD	2.04	100	R610486	☐	15-072			☐	☐	☐
96.06	96.40	0.34	GRD	0.24	71	R610487	☐	15-072			☐	☐	☐
96.40	97.34	0.94	GRD	0.91	97	R610488	☐	15-072			☐	☐	☐
96.40	97.34	0.94	GRD	0.91	97	R610489	☐	15-072			☐	☐	☑
97.34	98.06	0.72	GRD	0.71	99	R610490	☐	15-072			☐	☐	☐
98.06	98.57	0.51	GRD	0.51	100	R610491	☐	15-072			☐	☐	☐
98.57	99.89	1.32	GRD	1.13	86	R610493	☐	15-072			☐	☐	☐
99.89	100.20	0.31	GRD	0.30	97	R610494	☐	15-072			☐	☐	☐
109.11	109.94	0.83	GRD	0.82	99	R610495	☐	15-072			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
117.95	118.65	0.70	GRD	0.70	100	R610496	☐	15-072			☐	☐	☐
118.65	119.27	0.62	GRD	0.60	97	R610497	☐	15-072			☐	☐	☐
119.27	121.00	1.73	GRD	1.73	100	R610498	☐	15-072			☐	☐	☐
121.00	123.21	2.21	GRD	2.16	98	R610499	☐	15-072			☐	☐	☐
123.21	125.13	1.92	GRD, GRD	1.92	100	R610801	☐	15-072			☐	☐	☐
125.13	126.50	1.37	GRD	1.22	89	R610802	☐	15-072			☐	☐	☐
126.50	126.91	0.41	GRD	0.41	100	R610803	☐	15-072			☐	☐	☐
126.91	128.22	1.31	GRD	1.29	98	R610804	☐	15-072			☐	☐	☐
128.22	130.15	1.93	GRD	1.74	90	R610805	☐	15-072			☐	☐	☐
130.15	131.04	0.89	GRD	0.86	97	R610806	☐	15-072			☐	☐	☐
131.04	133.29	2.25	GRD	2.25	100	R610807	☐	15-072			☐	☐	☐
133.29	133.67	0.38	GRD	0.38	100	R610808	☐	15-072			☐	☐	☐
133.67	136.25	2.58	GRD	1.58	61	R610810	☐	15-072			☐	☐	☐
136.25	136.81	0.56	GRD	0.56	100	R610811	☐	15-072			☐	☐	☐
136.81	138.21	1.40	GRD	1.31	94	R610812	☐	15-072			☐	☐	☐
138.21	138.64	0.43	GRD	0.43	100	R610813	☐	15-072			☐	☐	☐
138.64	139.29	0.65	GRD	0.64	98	R610814	☐	15-072			☐	☐	☐
139.29	141.45	2.16	GRD	2.16	100	R610815	☐	15-075			☐	☐	☐
139.29	141.45	2.16	GRD	2.16	100	R610816	☐	15-075			☐	☐	☑
141.45	143.20	1.75	GRD	1.75	100	R610817	☐	15-075			☐	☐	☐
143.20	143.89	0.69	GRD	0.66	96	R610818	☐	15-075			☐	☐	☐
143.89	144.89	1.00	GRD	0.99	99	R610819	☐	15-075			☐	☐	☐
155.56	156.04	0.48	GRD	0.48	100	R610820	☐	15-075			☐	☐	☐
163.68	164.20	0.52	GRD	0.52	100	R610821	☐	15-075			☐	☐	☐
164.20	164.50	0.30	GRD	0.30	100	R610822	☐	15-075			☐	☐	☐
164.50	165.33	0.83	GRD	0.78	94	R610823	☐	15-075			☐	☐	☐
165.33	166.73	1.40	GRD	1.36	97	R610825	☐	15-075			☐	☐	☐
165.33	166.73	1.40	GRD	1.36	97	R610826	☐	15-075			☐	☑	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
166.73	168.82	2.09	GRD	2.09	100	R610827	☐	15-075			☐	☐	☐
168.82	169.27	0.45	GRD	0.45	100	R610828	☐	15-075			☐	☐	☐
169.27	170.20	0.93	GRD	0.91	98	R610830	☐	15-075			☐	☐	☐
170.20	172.59	2.39	GRD	2.29	96	R610831	☐	15-075			☐	☐	☐
172.59	174.81	2.22	GRD, GRD	2.22	100	R610832	☐	15-075			☐	☐	☐
174.81	176.18	1.37	GRD	1.37	100	R610833	☐	15-075			☐	☐	☐
176.18	177.49	1.31	GRD	1.31	100	R610834	☐	15-075			☐	☐	☐
177.49	178.92	1.43	GRD	1.33	93	R610835	☐	15-075			☐	☐	☐
178.92	181.14	2.22	GRD	2.21	100	R610837	☐	15-075			☐	☐	☐
181.14	182.33	1.19	GRD	1.17	98	R610838	☐	15-075			☐	☐	☐
182.33	185.01	2.68	GRD	2.64	99	R610839	☐	15-075			☐	☐	☐
185.01	186.46	1.45	GRD	1.43	99	R610840	☐	15-075			☐	☐	☐
186.46	187.23	0.77	GRD	0.77	100	R610841	☐	15-075			☐	☐	☐
206.10	208.47	2.37	GRD	1.28	54	R610842	☐	15-075			☐	☐	☐
208.47	208.77	0.30	GRD	0.30	100	R610843	☐	15-075			☐	☐	☐
217.86	218.54	0.68	GRD	0.67	99	R610844	☐	15-075			☐	☐	☐
218.54	218.87	0.33	GRD	0.30	91	R610845	☐	15-075			☐	☐	☐
218.87	220.54	1.67	GRD, QFP	1.67	100	R610847	☐	15-075			☐	☐	☐
220.54	221.37	0.83	QFP	0.59	71	R610848	☐	15-075			☐	☐	☐
221.37	221.88	0.51	GRD, QFP	0.51	100	R499384	☐	15-099	HG		☐	☐	☐
221.88	222.60	0.72	GRD, QFP	0.56	78	R610849	☐	15-075			☐	☐	☐
222.60	224.98	2.38	QFP	2.02	85	R610850	☐	15-075			☐	☐	☐
224.98	225.93	0.95	QFP	0.92	97	R610851	☐	15-077			☐	☐	☐
225.93	227.15	1.22	QFP, VEN	1.17	96	R499386	☐	15-099	HG		☐	☐	☐
227.15	227.45	0.30	VEN	0.30	100	R610852	☐	15-077			☐	☐	☐
227.45	228.66	1.21	GRD	1.21	100	R610853	☐	15-077			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
228.66	229.67	1.01	GRD	0.97	96	R610854	☐	15-077			☐	☐	☐
229.67	230.73	1.06	GRD	1.06	100	R610855	☐	15-077			☐	☐	☐
229.67	230.73	1.06	GRD	1.06	100	R610856	☐	15-077			☐	☑	☐

Klaza - Klaza Project

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		382153	6889800	1366.52	124.05

ZONE: Central BRX

SECTION: BRX 9+900

HOLE: KL-15-268

CLAIM:

Contractor: Platinum

Drill: 1

Core Size: HQ3

Casing Depth: 4.57m, Out

Drilling Dates: Jul 20 - Jul 21, 2015

Geology Logged By: T. Cruz

SURVEY			
Depth (m)	Azimuth	Dip	Method
2.13	35.2	-51.3	Reflex
124.05	35.7	-51.1	Reflex

TARGET:

SUMMARY			
From (m)	To (m)	Interval (m)	Rock Type
0	3.6	3.6	CAS
3.6	18.48	14.88	GRD
18.48	21.71	3.23	GRD
21.71	45.08	23.37	GRD
45.08	50.97	5.89	GRD
50.97	65.18	14.21	GRD
65.18	74.46	9.28	GRD
74.46	79.72	5.26	GRD
79.72	80.91	1.19	GRD
80.91	100.33	19.42	GRD
100.33	105.56	5.23	GRD
105.56	106.78	1.22	GRD
106.78	108.13	1.35	GRD
108.13	108.93	0.8	GRD
108.93	109.53	0.6	VEN
109.53	111.51	1.98	GRD

SAMPLES	
Numbers:	R499388, R610857 to R610893
Total:	38
Batch:	077, 079, 099
Certificates:	WH15108873, WH15108877, WH15115633, WH15115634

COMMENTS

111.51	118.68	7.17	QFP
118.68	119.32	0.64	VEN
119.32	124.05	4.73	GRD

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
18.48	21.71	3.23	GRD	MG	Wide moderately argillic altered granodiorite with potassic/oxide overprint. Cut by few white quartz-carbonate veins.							
						LT	WH	MO	ARG	3I		
						LT	BN		OXI	2I		
						LT	PK		POT	2I		
21.71	45.08	23.37	GRD	MG	Fresh granodiorite with weak-trace oxide staining on fractures.							
						MD	GY		OXI	1I		
						LT	GN					
45.08	50.97	5.89	GRD	MG	Proximal phyllic and distal argillic vein halos with pervasive weak propylitic overprint. Veining is quartz-carbonate, with mosly white carbonates. There are few veins with tan ankerite. Weak-trace oxide staining on fractures.							
						MD	GN		PRO	2I		
						LT	WH	ZO	ARG	2I		
						LT	GN	PA	PHC	2I		
						LT	PK		POT	1I		
						LT	BN		OXI	1I		
50.97	62.90	11.93	GRD	MG	Fresh granodiorite with oxide staining on fractures.							
						MD	GY					
						LT	BN					
62.90	63.83	0.93	GRD	MG	Proximal phyllic and distal argillic halo onbarren white quartz vein.							
						LT	GN		PHC	3I		
									ARG	1I		
									POT	1I		
63.83	65.18	1.35	GRD	MG	Fresh granodiorite with weak propylitic alteration.							
						MD	GY		PRO	2I		
						MD	GN					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
65.18	70.48	5.30	GRD	MG	Wide overlapping proximal phyllic and distal argillic halos on several mineralized quartz-carbonate veins. There is patchy silicification, potassic, and propylitic overprinting alteration.							
						MD	GN	MO	PHC	3I	Py	0.1
						LT	PK	ZO	PRO	1I		
						LT	GN	PA	SIL	2I		
						LT	WH		POT	1I		
									ARG	2I		
70.48	71.02	0.54	GRD	MG	Phyllic granodiorite with massive quartz vein that is rubbly, with oxide staining on fractures. Hosts disseminated pyrite. Gouged along many fractures.							
						LT	GY	RB	PHC	3I	Py	0.1
						LT	GN	FR	OXI	1I		
						LT	BN					
71.02	72.64	1.62	GRD	MG	Wide overlapping proximal phyllic and distal argillic halos on several mineralized quartz-carbonate veins. There is patchy silicification, potassic, and propylitic overprinting alteration.							
						MD	GN	PA	PHC	3I		
						LT	GN	ZO	SIL	2I		
						LT	PK	MO	PRO	1I		
						LT	WH		POT	1I		
									ARG	2I		
72.64	73.89	1.25	GRD	MG	Argillic dominated, with weak potassic and trace propylitic overprint.							
						LT	WH	MO	ARG	3I		
						LT	GN		PRO	1I		
						LT	PK		POT	2I		
73.89	74.46	0.57	GRD	MG	Phyllic is overprinting propylitic and silicification.							
						MD	GN		SIL	2I		
						LT	GN		PRO	2I		
									PHC	2I		
74.46	75.16	0.70	GRD	MG	Strongly propylitic section of granodiorite with moderate hematite staining.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GN	MO	PRO	4I		
						MD	RD		HEM	3I		
75.16	77.70	2.54	GRD	MG	Propylitic altered granodiorite with narrow phyllic halos around veins, oxide staining, and patchy potassic.							
						MD	GN	PA	PHC	2I		
						LT	GN		OXI	1I		
						LT	PK		POT	1I		
						LT	BN		PRO	4I		
77.70	78.33	0.63	GRD	MG	Proximal phyllic and distal argillic halo around a banded quartz-carbonate vein with propylitic overprint.							
						MD	GN		ARG	2I		
						LT	GN		PHC	3I	Py	0.1
									PRO	2I		
78.33	79.72	1.39	GRD	MG	Propylitic granodiorite with semi-pervasive hematite staining, stemming outwards from fractures.							
						MD	GN	MO	PRO	3I		
						MD	RD		HEM	2I		
79.72	80.91	1.19	GRD	MG	Phyllic halo around veining and a gouge zone. Quartz-carbonate veining is undulatory, with partial intersections with the core. Gouge and veining contain pyrite, zoned honey brown sphalerite, and arsenopyrite.							
						LT	GN		PHC	3I	Py	0.1
									PRO	1I	As	0.1
											Sp	0.1
80.91	100.33	19.42	GRD	MG	Wide section of fresher granodiorite, with patches of argillic, hematite, silica, propylitic alteration. Some argillic altered sections are crumbled.							
						MD	GY	PA	HEM	2I		
						MD	RD		PRO	3I		
						MD	GN		SIL	3I		
									ARG	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
100.33	102.34	2.01	GRD	MG	Moderate-strong argillic altered granodiorite with weak potassic/hematitic overprint.							
						MD	RD		HEM	2I		
						LT	WH	MO	ARG	4I		
						LT	PK		POT	2I		
102.34	103.78	1.44	GRD	MG	Phyllic inner halo around gouge seam and quartz-carbonate veining. Weak potassic/hematitic overprint.							
						LT	GN	MO	PHC	3I		
						LT	PK		ARG	2I		
						LT	RD		POT	2I		
									HEM	1I		
103.78	105.56	1.78	GRD	MG	Argillic outer halo overprinted by propylitic alteration and weak potassic.							
						MD	GN		PRO	3I		
						LT	PK		POT	1I		
						LT	WH		ARG	2I		
105.56	106.78	1.22	GRD	MG	Phyllic and silicified granodiorite cut by quartz-carbonate-chalcedony veining hosting disseminated pyrite.							
						LT	GN	RX	PHC	4I	Py	0.1
									SIL	2I		
106.78	108.13	1.35	GRD	MG	Wide argillic outer halo with narrow phyllic halos on wispy quartz-carbonate veinlets.							
						LT	WH	MO	ARG	3I		
						LT	PK		PHC	1I		
						LT	GN		POT	2I		
108.13	108.93	0.80	GRD	MG	Phyllic halo on the bonus vein. Weak semi-pervasive clay alteration. Cut by a quartz-carbonate vein with blebby pyrite.							
						LT	GN		PHC	4I	Py	0.1
									CLY	2I		
108.93	109.53	0.60	VEN	MG	Massive white-milky quartz vein hosting massive pyrite with interstitial-blebby chalcopyrite. Cream carbonate is banded along the upper selvedge, and crosscuts the vein in places.							
						MD	BR					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	WH	MA			Cp	0.1
						LT	GY	BN			Py	30
109.53	111.51	1.98	GRD	MG	Strong-moderate phyllic halo around the bonus vein. Semi-pervasive weak clay alteration, patchy silicification, and patchy weak propylitic overprint phyllic.							
						MD	GN	RX	PHC	3I		
						LT	GN	PA	SIL	2I	Py	0.5
									CLY	2I		
111.51	116.86	5.35	QFP	FG	Medium tan hydrothermally altered quartz feldspar porphyry dyke cut by several gouge zones. Contacts against granodiorite are chilled, with pervasive gouge alteration and brecciation.							
						MD	TN	PO	HYD	4I		
								RX	CLY	2I		
116.86	118.68	1.82	QFP	FG	Medium grey hydrothermally altered quartz feldspar porphyry dyke cut by gouge seams. There is chilling, gouge, and partial brecciation along the lower contact with the BRX footwall vein.							
						MD	GY	PO	HYD	4I		
									CLY	2I		
118.68	119.32	0.64	VEN	MG	BRX Footwall Zone:A 7cm black breccia is directly adjacent to the upper contact with quartz feldspar porphyry dyke, containing clasts of porphyry dyke, granodiorite, and massive sulphides. This is followed by a 9cm band of vuggy-brecciated grey quartz cemented by white carbonate-tan ankerite. Then, 11cm of dark grey quartz with blebby honey brown sphalerite, banded arsenopyrite, and intergrown pyrite. Sphalerite and galena in this section are crustiform-colloform around quartz and other sulphides. Finally, a 44cm massive pyrite vein with intergrown blebby to semi-massive honey brown sphalerite, and blebby-banded arsenopyrite.							
						MD	BR	MA			Py	40
						LT	WH	BX			As	3
						DK	GY	BN			Gn	1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						DK	BK				Sp	8
119.32	124.05	4.73	GRD	MG	Patchy propylitic and phyllic altered granodiorite cut by rare quartz veins hosting blebby pyrite.							
						MD	GN		PHC	2I		
						LT	GN	PA	PRO	2I	Py	0.1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
18.48	21.71	3.23	GRD	MG	Wide moderately argillic altered granodiorite with potassic/oxide overprint. Cut by few white quartz-carbonate veins.							
						LT	WH	MO	ARG	3I		
						LT	BN		OXI	2I		
						LT	PK		POT	2I		
21.71	45.08	23.37	GRD	MG	Fresh granodiorite with weak-trace oxide staining on fractures.							
						LT	GN					
						MD	GY		OXI	1I		
45.08	50.97	5.89	GRD	MG	Proximal phyllic and distal argillic vein halos with pervasive weak propylitic overprint. Veining is quartz-carbonate, with mosly white carbonates. There are few veins with tan ankerite. Weak-trace oxide staining on fractures.							
						LT	GN	PA	PHC	2I		
						LT	WH	ZO	ARG	2I		
						LT	PK		POT	1I		
						MD	GN		PRO	2I		
						LT	BN		OXI	1I		
50.97	65.18	14.21	GRD	MG	Fresh granodiorite with weak oxide staining on fractures. Cut by rare quartz-carbonate veins with proximal phyllic and distal argillic halos.							
						LT	BN		OXI	1I		
						LT	GN		ARG	1I		
						MD	GY		PHC	2I		
65.18	74.46	9.28	GRD	MG	Wide overlapping proximal phyllic and distal argillic halos on several mineralized quartz-carbonate veins. There is patchy silicification, potassic, and propylitic overprinting alteration.							
						LT	WH		POT	1I		
									ARG	2I		
						MD	GN	MO	PHC	3I	Py	0.1
						LT	GN	PA	SIL	2I		
						LT	PK	ZO	PRO	1I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
74.46	79.72	5.26	GRD	MG	Propylitic altered granodiorite with narrow proximal phyllic and distal argillic halos on few veins. Fractures show locallized hematite and oxide staining.							
						MD	RD	MO	PHC	2I		
						LT	BN		ARG	1I		
						LT	GN		HEM	2I		
									OXI	1I		
						MD	GN	PA	PRO	3I		
79.72	80.91	1.19	GRD	MG	Phyllic halo around veining and a gouge zone. Quartz-carbonate veining is undulatory, with partial intersections with the core. Gouge and veining contain pyrite, zoned honey brown sphalerite, and arsenopyrite.							
									PRO	1I	As	0.1
											Sp	0.1
						LT	GN		PHC	3I	Py	0.1
80.91	100.33	19.42	GRD	MG	Wide section of fresher granodiorite, with patches of argillic, hematite, silica, propylitic alteration. Some argillic altered sections are crumbled.							
						MD	RD		PRO	3I		
						MD	GN		SIL	3I		
									ARG	2I		
						MD	GY	PA	HEM	2I		
100.33	105.56	5.23	GRD	MG	Wide proximal phyllic and distal argillic halos on veining/gouge seams. Argillic halo is dominant, overprinted by a blend of potassic and hematite alteration. Propylitic overprint is stronger near the bottom of the interval.							
						MD	GN					
						LT	WH	PA	HEM	2I		
						MD	RD		ARG	4I		
						LT	GN		PHC	2I		
						LT	PK	MO	PRO	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
105.56	106.78	1.22	GRD	MG	Phyllic and silicified granodiorite cut by quartz-carbonate-chalcedony veining hosting disseminated pyrite.							
									SIL	2I		
						LT	GN	RX	PHC	4I	Py	0.1
106.78	108.13	1.35	GRD	MG	Wide argillic outer halo with narrow phyllic halos on wispy quartz-carbonate veinlets.							
						LT	WH	MO	ARG	3I		
						LT	GN		POT	2I		
						LT	PK		PHC	1I		
108.13	108.93	0.80	GRD	MG	Phyllic halo on the bonus vein. Weak semi-pervasive clay alteration. Cut by a quartz-carbonate vein with blebby pyrite.							
						LT	GN		PHC	4I	Py	0.1
									CLY	2I		
108.93	109.53	0.60	VEN	MG	Bonus Vein: Massive white-milky quartz vein hosting massive pyrite with interstitial-blebby chalcopyrite. Cream carbonate is banded along the upper selvedge, and crosscuts the vein in places.							
						LT	WH	MA			Cp	0.1
						MD	BR					
						LT	GY	BN			Py	30
109.53	111.51	1.98	GRD	MG	Strong-moderate phyllic halo around the bonus vein. Semi-pervasive weak clay alteration, patchy silicification, and patchy weak propylitic overprint phyllic.							
						LT	GN	PA	SIL	2I	Py	0.5
						MD	GN	RX	PHC	3I		
									CLY	2I		
111.51	118.68	7.17	QFP	FG	Medium grey-tan hydrothermally altered quartz feldspar porphyry dyke cut by several gouge zones. Contacts against granodiorite/BRX vein are chilled, with pervasive gouge alteration and brecciation.							
						MD	GY	RX	CLY	2I		
						MD	TN	PO	HYD	4I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
118.68	119.32	0.64	VEN	MG	BRX Footwall Zone:A 7cm black breccia is directly adjacent to the upper contact with quartz feldspar porphyry dyke, containing clasts of porphyry dyke, granodiorite, and massive sulphides. This is followed by a 9cm band of vuggy-brecciated grey quartz cemented by white carbonate-tan ankerite. Galena is seen encrusting one side of pyrite blebs, with honey brown sphalerite encrusting the other side. Then, 11cm of dark grey quartz with blebby honey brown sphalerite, banded arsenopyrite, and intergrown pyrite. Sphalerite and galena in this section are crustiform-colloform around quartz and other sulphides. Finally, a 44cm massive pyrite vein with intergrown blebby to semi-massive honey brown sphalerite, and blebby-banded arsenopyrite.							
						LT	WH	BX			As	3
						DK	GY	BN			Gn	1
						DK	BK				Sp	8
						MD	BR	MA			Py	40
119.32	124.05	4.73	GRD	MG	Patchy propylitic and phyllic altered granodiorite cut by rare quartz veins hosting blebby pyrite. EOH							
						LT	GN	PA	PRO	2I	Py	0.1
						MD	GN		PHC	2I		

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
0.00	5.18	5.18	1.54	30	0.36	7	--	4H	1W	No Joints- Rubble
5.18	8.23	3.05	2.99	98	2.52	83	--	4H	1W	
8.23	11.28	3.05	2.87	94	2.26	74	--	4H	1W	
11.28	14.33	3.05	2.98	98	2.42	79	--	5H	1W	
14.33	17.37	3.04	2.87	94	2.23	73	--	5H	1W	
17.37	20.42	3.05	2.91	95	2.36	77	--	3H	1W	
20.42	23.47	3.05	2.69	88	2.10	69	--	4H	1W	
23.47	26.52	3.05	3.05	100	2.67	88	--	4H	1W	
26.52	29.57	3.05	3.05	100	2.84	93	--	4H	1W	
29.57	32.61	3.04	2.97	98	2.73	90	--	4H	1W	
32.61	35.66	3.05	3.05	100	2.64	87	--	4H	1W	
35.66	38.71	3.05	3.05	100	2.51	82	--	4H	1W	
38.71	41.76	3.05	2.93	96	2.54	83	--	4H	1W	
41.76	44.80	3.04	3.04	100	2.49	82	--	4H	1W	
44.80	47.85	3.05	2.89	95	2.54	83	--	3H	1W	
47.85	50.90	3.05	3.05	100	2.31	76	--	--	1W	
50.90	53.94	3.04	3.04	100	1.70	56	--	3H	2W	
53.94	56.99	3.05	3.05	100	0.96	31	--	3H	2W	
56.99	60.04	3.05	3.05	100	2.25	74	--	4H	1W	
60.04	63.09	3.05	3.05	100	2.01	66	--	3H	1W	
63.09	66.14	3.05	3.05	100	2.27	74	--	4H	2W	
66.14	69.18	3.04	3.04	100	2.91	96	--	4H	1W	
69.18	72.23	3.05	3.05	100	2.43	80	--	3H	1W	
72.23	75.28	3.05	3.05	100	2.42	79	--	4H	1W	
75.28	78.33	3.05	3.05	100	2.29	75	--	4H	1W	
78.33	81.38	3.05	3.02	99	2.07	68	--	3H	1W	
81.38	84.42	3.04	3.04	100	2.01	66	--	4H	1W	
84.42	87.47	3.05	3.01	99	2.00	66	--	4H	1W	
87.47	90.52	3.05	3.03	99	1.99	65	--	4H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
90.52	93.57	3.05	3.01	99	2.08	68	--	4H	1W	
93.57	96.62	3.05	2.97	97	2.32	76	--	4H	1W	
96.62	99.67	3.05	3.05	100	2.92	96	--	4H	1W	
99.67	102.72	3.05	3.05	100	2.46	81	--	3H	1W	
102.72	105.77	3.05	3.05	100	2.19	72	--	3H	1W	
105.77	108.81	3.04	3.04	100	2.92	96	--	4H	1W	
108.81	111.86	3.05	3.05	100	2.72	89	--	3H	1W	
111.86	114.91	3.05	3.02	99	1.70	56	--	3H	1W	
114.91	117.96	3.05	3	98	2.57	84	--	3H	1W	
117.96	121.01	3.05	3.01	99	2.88	94	--	3H	1W	
121.01	124.05	3.04	3.04	100	2.11	69	--	4H	1W	

KL-15-268

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
0.00	0.00	0.00	-QC-	0.00	0	R610868	☐	15-077		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R610873	☐	15-077			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R610881	☐	15-077			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R610860	☐	15-077		KL-STD4	☐	☐	☐
20.78	21.18	0.40	GRD	0.40	100	R610857	☐	15-077			☐	☐	☐
65.47	65.77	0.30	GRD	0.30	100	R610858	☐	15-077			☐	☐	☐
65.77	66.50	0.73	GRD	0.72	99	R610859	☐	15-077			☐	☐	☐
66.50	67.30	0.80	GRD	0.80	100	R610861	☐	15-077			☐	☐	☐
67.30	69.61	2.31	GRD	2.31	100	R610862	☐	15-077			☐	☐	☐
67.30	69.61	2.31	GRD	2.31	100	R610863	☐	15-077			☐	☐	☑
69.61	70.48	0.87	GRD	0.85	98	R610864	☐	15-077			☐	☐	☐
70.48	71.02	0.54	GRD	0.42	78	R610865	☐	15-077			☐	☐	☐
71.02	72.52	1.50	GRD	1.48	99	R610866	☐	15-077			☐	☐	☐
72.52	75.16	2.64	GRD	2.62	99	R610867	☐	15-077			☐	☐	☐
75.16	77.85	2.69	GRD	2.57	96	R610869	☐	15-077			☐	☐	☐
77.85	78.15	0.30	GRD	0.30	100	R610870	☐	15-077			☐	☐	☐
78.15	80.03	1.88	GRD	1.85	98	R610871	☐	15-077			☐	☐	☐
80.03	80.65	0.62	GRD	0.53	85	R610872	☐	15-077			☐	☐	☐
80.65	81.28	0.63	GRD	0.63	100	R610874	☐	15-077			☐	☐	☐
102.34	103.08	0.74	GRD	0.67	91	R610875	☐	15-077			☐	☐	☐
103.08	105.56	2.48	GRD	2.23	90	R610876	☐	15-077			☐	☐	☐
105.56	106.52	0.96	GRD, GRD	0.92	96	R610877	☐	15-077			☐	☐	☐
106.52	108.10	1.58	GRD	1.48	94	R610878	☐	15-077			☐	☐	☐
108.10	108.93	0.83	GRD	0.83	100	R610879	☐	15-077			☐	☐	☐
108.93	109.33	0.40	GRD, VEN	0.40	100	R610880	☐	15-077			☐	☐	☐
109.33	109.75	0.42	VEN	0.42	100	R610882	☐	15-077			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
109.75	111.21	1.46	GRD	1.45	99	R610883	☐	15-077			☐	☐	☐
111.21	111.51	0.30	GRD	0.28	93	R610884	☐	15-077			☐	☐	☐
111.51	114.43	2.92	GRD, QFP	2.54	87	R610885	☐	15-077			☐	☐	☐
114.43	116.86	2.43	QFP	2.30	95	R610886	☐	15-077			☐	☐	☐
116.86	118.37	1.51	QFP	1.46	97	R610887	☐	15-079			☐	☐	☐
118.37	118.68	0.31	QFP	0.31	100	R610888	☐	15-079			☐	☐	☐
118.68	119.32	0.64	QFP, VEN	0.64	100	R499388	☐	15-099	HG		☐	☐	☐
119.32	119.92	0.60	VEN, GRD	0.58	97	R610889	☐	15-079			☐	☐	☐
119.92	120.53	0.61	GRD	0.56	92	R610890	☐	15-079			☐	☐	☐
120.53	122.25	1.72	GRD	1.67	97	R610891	☐	15-079			☐	☐	☐
120.53	122.25	1.72	GRD	1.67	97	R610892	☐	15-079			☐	☑	☐
122.25	124.05	1.80	GRD	1.80	100	R610893	☐	15-079			☐	☐	☐

Klaza - Klaza Project

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		382016	6889806	1347.5	226.16

ZONE: Central BRX

SECTION: BRX 9+800

HOLE: KL-15-269

CLAIM:

Contractor: Platinum

Drill: 1

Core Size: NQ2

Casing Depth: 3.05m, Out

Drilling Dates: Jul 22 - Jul 23, 2015

Geology Logged By: T. Cruz

SURVEY			
Depth (m)	Azimuth	Dip	Method
11.27	33.8	-49.8	Reflex
224.63	42.3	-50.6	Reflex

TARGET:

SUMMARY			
From (m)	To (m)	Interval (m)	Rock Type
0	3.05	3.05	CAS
3.05	8.66	5.61	GRD
8.66	15.72	7.06	GRD
15.72	20.27	4.55	GRD
20.27	31.55	11.28	GRD
31.55	37.1	5.55	GRD
37.1	41.69	4.59	GRD
41.69	136.78	95.09	GRD
136.78	139.41	2.63	GRD
139.41	186.72	47.31	GRD
186.72	189.57	2.85	APL
189.57	198.04	8.47	GRD
198.04	199	0.96	GRD
199	199.89	0.89	GRD
199.89	209.45	9.56	QFP
209.45	209.64	0.19	BXA

SAMPLES	
Numbers:	R499390 to R499391, R610894 to R610967
Total:	76
Batch:	079, 081, 082, 099
Certificates:	WH15108877, WH15112703, WH15112707, WH15115633, WH15115634

COMMENTS

209.64	212.03	2.39	GRD
212.03	226.16	14.13	GRD

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
3.05	8.66	5.61	GRD	MG	Fresh granodiorite with fracture-associated oxide staining.							
						MD	GY	FR	OXI	2I		
						MD	BN					
8.66	11.68	3.02	GRD	MG	Pervasively oxide stained argillic halo on quartz-carbonate veining.							
						MD	BN		OXI	3I		
									ARG	3I		
11.68	14.26	2.58	GRD	MG	Granodiorite with oxide staining on fractures.							
						MD	GY		OXI	2I		
						MD	BN					
14.26	15.72	1.46	GRD	MG	Pervasively oxide stained argillic halo on quartz-carbonate veining. Two veins contain dark brown, orange, and yellow gouge.							
						MD	BN	ZO	ARG	3I	Go	0.5
									OXI	3I		
15.72	20.27	4.55	GRD	MG	Fresher granodiorite with oxide staining on fractures.							
						MD	GY		OXI	2I		
						MD	BN					
20.27	31.55	11.28	GRD	MG	Silicified, pervasively oxide stained granodiorite around an irregularly banded quartz-carbonate vein. Interval has a short gouge seam. First 2m are fractured.							
						MD	BN	FR	ARG	3I		
									SIL	2I		
									OXI	3I		
31.55	37.10	5.55	GRD	MG	Fresh granodiorite with oxide staining on fractures.							
						MD	GY		OXI	2I		
						MD	BN					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
37.10	38.05	0.95	GRD	MG	Phyllic granodiorite around banded quartz-carbonate vein hosting blebby pyrite.							
						LT	GN		PHC	3I	Py	0.1
									ARG	2I		
38.05	39.51	1.46	GRD	MG	Pervasive strong argillic alteration with trace oxide staining. Core is crumbled.							
						MD	GY		OXI	1I		
						LT	GY		ARG	4I		
						LT	BN					
39.51	41.69	2.18	GRD	MG	Phyllic halos on pyrite-bearing quartz-carbonate vein, with a patchy propylitic overprint. Weak oxide staining on fractures.							
						MD	GN		OXI	1I		
						LT	GN	PA	PRO	2I	Py	0.1
						LT	BN		PHC	3I		
									ARG	2I		
41.69	42.12	0.43	GRD	MG	Fresh granodiorite with patchy weak propylitic alteration, cut by aplite dykes. Also cut by rare quartz-carbonate-pyrite veins with narrow phyllic halos.							
						MD	GY		PRO	2I		
						MD	GN		PHC	1I		
42.12	43.25	1.13	GRD	MG	Zoned proximal phyllic and distal argillic halo around barren quartz-carbonate vein. Potassic overprints argillic.Trace oxide staining on fractures.							
						LT	BN	ZO	ARG	3I		
						LT	GN		PHC	2I		
						LT	PK					
						LT	WH		OXI	1I		
43.25	80.30	37.05	GRD	MG	Fresh granodiorite with patchy weak propylitic alteration, cut by aplite dykes. Also cut by rare quartz-carbonate-pyrite veins with narrow phyllic halos.							
						MD	GY	PA	PRO	1I		
						MD	GN					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
80.30	80.97	0.67	GRD	MG	Proximal phyllic and distal argillic halo around a banded quartz-carbonate-tan ankerite vein hosting disseminated pyrite.							
						LT	GN	ZO	ARG	2I	Py	0.1
									PHC	3I		
80.97	91.98	11.01	GRD	MG	Fresh granodiorite cut by aplite dykelets.							
						MD	GY					
91.98	93.66	1.68	GRD	MG	Proximal phyllic and distal argillic halo around a pair of banded quartz-carbonate-tan ankerite veins hosting disseminated pyrite.							
						MD	GY	ZO	ARG	2I		
						LT	GN	PA	PHC	3I	Py	0.1
93.66	100.57	6.91	GRD	MG	Fresh granodiorite with patchy propylitic and silica overprints.							
						MD	GY	PA	PRO	1I		
						MD	GN		SIL	1I		
100.57	101.04	0.47	GRD	MG	Proximal phyllic and distal argillic halo around a banded quartz-carbonate-tan ankerite vein hosting disseminated pyrite.							
						LT	GN		PHC	3I	Py	0.1
101.04	111.40	10.36	GRD	MG	Fresh granodiorite with patchy trace propylitic and silicification.							
						MD	GY	PA	PRO	1I		
						MD	GN		SIL	1I		
111.40	111.77	0.37	GRD	MG	Proximal phyllic and distal argillic halo around a banded quartz-carbonate-tan ankerite vein hosting disseminated pyrite.							
						LT	GN		PHC	3I	Py	0.1
111.77	113.02	1.25	GRD	MG	Fresh granodiorite.							
						MD	GY					
113.02	114.58	1.56	GRD	MG	Proximal phyllic and distal argillic halo around a banded quartz-carbonate-tan ankerite vein hosting disseminated pyrite.							
						LT	GN	ZO	ARG	2I	Py	0.1
						LT	WH		PHC	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
									POT	1I		
114.58	136.78	22.20	GRD	MG	Fresh granodiorite with patches of trace propylitic and silicification.							
						MD	GY	PA	PRO	1I		
									SIL	1I		
136.78	139.41	2.63	GRD	MG	Overlapping proximal phyllic and distal argillic vein halos. There is potassic alteration overprinting argilic, and propylitic overprinting phyllic. Veining is banded white-cream carbonate and white-smoky quartz. These veins host blebby-disseminated pyrite.							
						MD	GN		PRO	2I		
						LT	GN	PA	ARG	3I	Py	1
						LT	WH	MO	POT	2I		
						LT	PK		PHC	3I		
139.41	142.60	3.19	GRD	MG	Fresh granodiorite with patchy weak propylitic alteration, cut by aplite dykes. Also cut by rare quartz-carbonate-pyrite veins with narrow phyllic halos.							
								PA	PHC	2I	Py	0.1
142.60	143.12	0.52	GRD	MG	A pair of banded white-cream carbonate-tan ankerite and white-smoky quartz veins hosting blebby pyrite.							
						LT	GN		PHC	3I	Py	1
									PRO	1I		
143.12	147.39	4.27	GRD	MG	Fresh granodiorite with patches of trace-weak propylitic and potassic alteration.							
						MD	GN	PA	PRO	1I		
						MD	GN					
						LT	GN		POT	1I		
147.39	150.23	2.84	GRD	MG	Several banded white-cream carbonate and quartz veins hosting blebby pyrite, with proximal phyllic and distal argillic halos.							
						MD	GN		ARG	2I		
						MD	GY					
						LT	GN	PA	PHC	3I	Py	0.5

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
150.23	154.36	4.13	GRD	MG	Fresh granodiorite with patches of trace-weak propylitic and potassic alteration. Cut by a white pink aplite dyke, and with a crumbled patch of argillic alteration.							
						MD	GY	PA	ARG	2I		
						MD	GN					
						LT	PK					
154.36	155.80	1.44	GRD	MG	Pair of irregularly banded white-cream quartz-carbonate veins hosting blebby pyrite.							
						MD	GN		PHC	2I		
						LT	GN	PA	PRO	2I	Py	0.1
									ARG	1I		
155.80	163.33	7.53	GRD	MG	Fresh granodiorite with patches of trace-weak propylitic, potassic alteration, and narrow phyllic halos on barren quartz-carbonate veinlets.							
						MD	GN		PHC	2I		
						MD	GY		POT	1I		
						LT	GN	PA	PRO	1I		
163.33	168.32	4.99	GRD	MG	Overlapping phyllic halos on quartz-carbonate veining. Patches of fresher granodiorite lie between the halos, most of which has propylitic alteration.							
						MD	GN	ZO	PHC	3I		
						MD	GY		ARG	2I		
						LT	GN	PA	PRO	1I	Py	0.1
168.32	179.30	10.98	GRD	MG	Fresh granodiorite with patches of trace-weak propylitic and potassic alteration. Cut by rare quartz-carbonate veining with narrow phyllic halos.							
						MD	GY	PA	PHC	1I		
						MD	GN		POT	1I		
						LT	GN		PRO	2I		
179.30	180.40	1.10	GRD	MG	Strong phyllic halo on a gouge zone, with propylitic overprint. Phyllic groundmass hosts trace disseminated pyrite.							
						LT	GN		PHC	4I	Py	0.1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
180.40	186.72	6.32	GRD	MG	Fresh granodiorite with patches of trace-weak propylitic and potassic alteration. Few patches of argillized, crumbled granodiorite.							
						MD	GY	PA	ARG	1I		
						MD	GN		PRO	2I		
						LT	PK					
186.72	189.57	2.85	APL	VF	Wide pink aplite dyke with irregular propylitic alteration resulting in patchy, mottled dark green colouration.							
						MD	GN					
						LT	PK	AN	PRO	2I		
						DK	GN					
189.57	198.04	8.47	GRD	MG	Fresh granodiorite with patches of trace-weak propylitic, argillic, and potassic alteration. Argillic alteration is partially crumbled.							
						MD	GY	PA	ARG	2I		
						LT	GY	RB	PRO	1I		
									POT	1I		
198.04	199.00	0.96	GRD	MG	Outer argillic and phyllic halo adjacent to the BRX hanging wall vein. Slight crumbling in distal argillic alteration.							
						MD	GY	PA	ARG	3I		
						LT	GN		PHC	2I		
						LT	WH		POT	1I		
						LT	PK					
199.00	199.89	0.89	GRD	MG	BRX hanging wall vein zone: Phyllic granodiorite cut by several banded white-cream carbonate and white-smoky quartz veining. Carbonates show locallized crustiform textures. These veins host blebby pyrite, blebby arsenopyrite, honey brown sphalerite, and galena. Galena, arsenopyrite, and sphalerite tend to grow adjacent to each other. Some carbonate is vuggy, and contains fragments of banded-crustiform quartz veining.							
						MD	GN	BN	PHC	2I	Py	5
						LT	WH	MA	PRO	1I	As	3
						LT	CR				Sp	3

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						DK	GY				Gn	2
199.89	202.61	2.72	QFP	FG	Fractured, light green-grey pervasively hydrothermally altered quartz feldspar porphyry dyke cut by carbonate veinlets.							
						LT	GY	PO	SIL	2I		
						LT	GN	FR	HYD	4I		
								RX				
202.61	203.13	0.52	QFP	FG	Light grey-green quartz feldspar porphyry dyke cut by wide, closely spaced white-cream quartz-carbonate veins and veinlets, hosting trace blebby pyrite.							
						LT	GY	RX	SIL	3I		
						LT	GN	PO	HYD	4I	Py	0.1
203.13	209.45	6.32	QFP	FG	Fractured, light green-grey pervasively hydrothermally altered quartz feldspar porphyry dyke cut by carbonate veinlets.							
								RX	SIL	2I		
								PO	HYD	4I		
								FR				
209.45	209.64	0.19	BXA	FG	Polyphase BRX footwall zone breccia adjacent to quartz feldspar porphyry dyke contact. Phase 1 black breccia contains clasts of phyllic granodiorite, white-cream carbonate veining, and clear qtz-pyrite veins. Black breccia hosts blebby galena and blebby arsenopyrite. The black breccia is then brecciated by a sandy contact breccia.							
						LT	GY	BX	CLY	1I	Py	3
						LT	GN		PHC	2I	Gn	1
						DK	BK				As	0.1
209.64	212.03	2.39	GRD	MG	Phyllic and argillic outer halo on BRX footwall breccia. Patchy trace propylitic alteration overprints halos.							
						MD	GN		PHC	3I		
						LT	GN	PA	PRO	2I		
						LT	PK		ARG	2I		
									POT	1I		
212.03	226.16	14.13	GRD	MG	Fresh granodiorite with patches of trace-weak propylitic and potassic alteration. EOH							
						MD	GY		PRO	1I		
									POT	1I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
3.05	8.66	5.61	GRD	MG	Fresh granodiorite with fracture-associated oxide staining.							
						MD	BN					
						MD	GY	FR	OXI	2I		
8.66	15.72	7.06	GRD	MG	Granodiorite dominated by oxide stained argillic halos on mineralized, oxidized quartz-carbonate veining. A pair of veins are gouged with dark brown-black, yellow, and orange oxidization.							
						MD	GY	ZO	ARG	3I	Go	0.5
						MD	BN		OXI	3I		
						LT	OR					
15.72	20.27	4.55	GRD	MG	Fresher granodiorite with oxide staining on fractures.							
						MD	GY		OXI	2I		
						MD	BN					
20.27	31.55	11.28	GRD	MG	Silicified, pervasively oxide stained granodiorite around an irregularly banded quartz-carbonate vein. Interval has a short gouge seam. First 2m are fractured.							
									OXI	3I		
						MD	BN	FR	ARG	3I		
									SIL	2I		
31.55	37.10	5.55	GRD	MG	Fresh granodiorite with oxide staining on fractures.							
						MD	GY		OXI	2I		
						MD	BN					
37.10	41.69	4.59	GRD	MG	Phyllic and argillic halo on quartz-carbonate veining. Trace oxide staining on fractures. Most argillic alteration is pervasive and substantially softens recovery.							
						LT	GN		PHC	3I	Py	0.1
						LT	GY		ARG	4I		
						LT	BN		OXI	1I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
41.69	136.78	95.09	GRD	MG	Fresh granodiorite with patchy weak propylitic alteration, cut by aplite dykes. Also cut by rare quartz-carbonate-pyrite veins with narrow phyllic halos.							
						MD	GY		PRO	2I		
						MD	GN		PHC	1I		
136.78	139.41	2.63	GRD	MG	Overlapping proximal phyllic and distal argillic vein halos. There is potassic alteration overprinting argilic, and propylitic overprinting phyllic. Veining is banded white-cream carbonate and white-smoky quartz. These veins host blebby-disseminated pyrite.							
						LT	PK		PHC	3I		
						LT	GN	PA	ARG	3I	Py	1
						MD	GN		PRO	2I		
						LT	WH	MO	POT	2I		
139.41	186.72	47.31	GRD	MG	Fresh granodiorite with patchy weak propylitic alteration, cut by aplite dykes. Also cut by rare quartz-carbonate-pyrite veins with narrow phyllic halos.							
								PA	PHC	2I	Py	0.1
186.72	189.57	2.85	APL	VF	Wide pink aplite dyke with irregular propylitic alteration resulting in patchy, mottled dark green colouration.							
						DK	GN					
						MD	GN					
						LT	PK	AN	PRO	2I		
189.57	198.04	8.47	GRD	MG	Fresh granodiorite with patches of trace-weak propylitic, argillic, and potassic alteration. Argillic alteration is partially crumbled.							
						MD	GY	PA	ARG	2I		
									POT	1I		
						LT	GY	RB	PRO	1I		
198.04	199.00	0.96	GRD	MG	Outer argillic and phyllic halo adjacent to the BRX hanging wall vein. Slight crumbling in distal argillic alteration.							
						LT	PK					
						MD	GY	PA	ARG	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	WH		POT	1I		
						LT	GN		PHC	2I		
199.00	199.89	0.89	GRD	MG	BRX hanging wall vein zone: Phyllic granodiorite cut by several banded white-cream carbonate and white-smoky quartz veining. Carbonates show locallized crustiform textures. These veins host blebby pyrite, blebby arsenopyrite, honey brown sphalerite, and galena. Galena, arsenopyrite, and sphalerite tend to grow adjacent to each other. Some carbonate is vuggy, and contains fragments of banded-crustiform quartz veining.							
						MD	GN	BN	PHC	2I	Py	5
						LT	WH	MA	PRO	1I	As	3
						LT	CR				Sp	3
						DK	GY				Gn	2
199.89	209.45	9.56	QFP	FG	Fractured, light green-grey pervasively hydrothermally altered quartz feldspar porphyry dyke cut by carbonate veinlets. There is a section of more intense carbonate veining hosting pyrite.							
						LT	GY	RX	SIL	3I		
						LT	GN					
						MD	GY	PO	HYD	4I	Py	0.1
209.45	209.64	0.19	BXA	FG	Polyphase BRX footwall zone breccia adjacent to quartz feldspar porphyry dyke contact. Phase 1 black breccia contains clasts of phyllic granodiorite, white-cream carbonate veining, and clear qtz-pyrite veins. Black breccia hosts blebby galena and blebby arsenopyrite. The black breccia is then brecciated by a sandy contact breccia.							
						DK	BK				As	0.1
						LT	GN		PHC	2I	Gn	1
						LT	GY	BX	CLY	1I	Py	3
209.64	212.03	2.39	GRD	MG	Phyllic and argillic outer halo on BRX footwall breccia. Patchy trace propylitic alteration overprints halos.							
									POT	1I		
						LT	GN	PA	PRO	2I		
						MD	GN		PHC	3I		
						LT	PK		ARG	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
212.03	226.16	14.13	GRD	MG	Fresh granodiorite with patches of trace-weak propylitic and potassic alteration. EOH							
						MD	GY		PRO	1I		
									POT	1I		

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
0.00	3.05	3.05	0	0	0.00	0	--	--	--	
3.05	5.18	2.13	2.01	94	0.51	24	--	3H	3W	
5.18	8.23	3.05	2.87	94	1.37	45	--	4H	2W	
8.23	11.28	3.05	2.66	87	1.29	42	--	4H	2W	
11.28	14.33	3.05	3.05	100	1.62	53	--	4H	2W	
14.33	17.37	3.04	2.85	94	1.82	60	--	3H	3W	
17.37	20.42	3.05	3.05	100	2.83	93	--	4H	1W	
20.42	23.47	3.05	3.05	100	2.74	90	--	5H	1W	
23.47	26.52	3.05	2.63	86	1.41	46	--	5H	1W	
26.52	29.57	3.05	3.05	100	1.09	36	--	3H	3W	
29.57	32.61	3.04	2.7	89	1.20	39	--	3H	3W	
32.61	35.66	3.05	3.05	100	1.94	64	--	4H	1W	
35.66	38.71	3.05	3.05	100	1.03	34	--	4H	1W	
38.71	41.76	3.05	3.05	100	0.55	18	--	3H	1W	
41.76	44.81	3.05	3.05	100	2.07	68	--	3H	1W	
44.81	47.85	3.04	2.93	96	1.94	64	--	5H	1W	
47.85	50.90	3.05	3.05	100	2.12	70	--	4H	1W	
50.90	53.95	3.05	3.05	100	2.43	80	--	5H	1W	
53.95	57.00	3.05	3.05	100	2.77	91	--	5H	1W	
57.00	60.05	3.05	3.05	100	1.39	46	--	5H	1W	
60.05	63.09	3.04	3.04	100	0.83	27	--	5H	1W	
63.09	66.14	3.05	3.05	100	2.11	69	--	5H	1W	
66.14	69.19	3.05	2.97	97	2.55	84	--	4H	1W	
69.19	72.24	3.05	3	98	2.10	69	--	4H	1W	
72.24	75.29	3.05	2.58	85	0.94	31	--	4H	1W	
75.29	78.33	3.04	3.04	100	2.49	82	--	4H	1W	
78.33	81.38	3.05	3	98	2.69	88	--	4H	1W	
81.38	84.43	3.05	3	98	1.92	63	--	4H	1W	
84.43	87.48	3.05	2.98	98	2.42	79	--	4H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
87.48	90.53	3.05	2.99	98	2.48	81	--	4H	1W	
90.53	93.57	3.04	3.04	100	2.31	76	--	4H	1W	
93.57	96.62	3.05	3.04	100	2.02	66	--	4H	1W	
96.62	99.67	3.05	3	98	2.21	72	--	4H	1W	
99.67	102.72	3.05	3	98	2.32	76	--	4H	1W	
102.72	105.77	3.05	2.99	98	2.49	82	--	4H	1W	
105.77	108.81	3.04	2.97	98	2.44	80	--	4H	1W	
108.81	111.86	3.05	3	98	2.70	89	--	4H	1W	
111.86	114.90	3.04	2.98	98	2.54	84	--	4H	1W	
114.90	117.95	3.05	3.05	100	2.81	92	--	4H	1W	
117.95	121.01	3.06	3.03	99	2.53	83	--	4H	1W	
121.01	124.05	3.04	2.95	97	2.55	84	--	4H	1W	
124.05	127.10	3.05	3.05	100	2.75	90	--	4H	1W	
127.10	130.15	3.05	3	98	2.75	90	--	4H	1W	
130.15	133.20	3.05	3.03	99	2.74	90	--	4H	1W	
133.20	136.25	3.05	2.92	96	2.84	93	--	4H	1W	
136.25	139.29	3.04	3.04	100	2.70	89	--	4H	1W	
139.29	142.34	3.05	2.97	97	2.93	96	--	4H	1W	
142.34	145.39	3.05	3.04	100	2.82	92	--	4H	1W	
145.39	148.44	3.05	2.96	97	2.20	72	--	4H	1W	
148.44	151.49	3.05	3.03	99	2.51	82	--	4H	1W	
151.49	154.53	3.04	2.86	94	2.17	71	--	4H	1W	
154.53	157.58	3.05	2.85	93	1.84	60	--	4H	1W	
157.58	160.62	3.04	3.04	100	2.30	76	--	4H	1W	
160.62	163.68	3.06	2.98	97	2.10	69	--	4H	1W	
163.68	166.73	3.05	3.05	100	2.82	92	--	4H	1W	
166.73	169.77	3.04	3.04	100	2.38	78	--	4H	1W	
169.77	172.82	3.05	3	98	2.59	85	--	4H	1W	
172.82	175.87	3.05	3.05	100	2.63	86	--	4H	1W	
175.87	178.92	3.05	3.04	100	2.57	84	--	4H	1W	
178.92	181.97	3.05	3.03	99	1.97	65	--	3H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
181.97	185.01	3.04	3.01	99	1.69	56	--	4H	1W	
185.01	188.06	3.05	2.93	96	1.29	42	--	4H	1W	
188.06	191.11	3.05	2.97	97	0.00	0	--	4H	1W	
191.11	194.16	3.05	2.9	95	1.64	54	--	4H	1W	
194.16	197.21	3.05	2.76	90	1.89	62	--	5H	1W	
197.21	200.25	3.04	2.92	96	1.03	34	--	4H	1W	
200.25	203.30	3.05	3.03	99	1.61	53	--	4H	1W	
203.30	206.35	3.05	2.93	96	1.33	44	--	4H	1W	
206.35	209.40	3.05	2.93	96	1.29	42	--	3H	1W	
209.40	212.44	3.04	2.91	96	1.72	57	--	4H	1W	
212.44	215.49	3.05	2.97	97	2.73	90	--	4H	1W	
215.49	218.54	3.05	3.05	100	2.80	92	--	4H	1W	
218.54	221.59	3.05	3.05	100	3.05	100	--	4H	1W	
221.59	224.64	3.05	3.01	99	2.67	88	--	4H	1W	
224.64	226.16	1.52	1.52	100	1.52	100	--	4H	1W	

KL-15-269

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
0.00	0.00	0.00	-QC-	0.00	0	R610963	☐	15-082		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R610899	☐	15-079			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R610915	☐	15-079			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R610918	☐	15-079		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R610926	☐	15-081		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R610931	☐	15-081			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R610943	☐	15-081		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R610954	☐	15-081			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R610896	☐	15-079		KL-STD4	☐	☐	☐
8.66	11.28	2.62	GRD, GRD	2.23	85	R610894	☐	15-079			☐	☐	☐
11.28	12.40	1.12	GRD	1.10	98	R610895	☐	15-079			☐	☐	☐
12.40	14.33	1.93	GRD	1.73	90	R610897	☐	15-079			☐	☐	☐
14.33	15.67	1.34	GRD	1.25	93	R610898	☐	15-079			☐	☐	☐
30.10	31.29	1.19	GRD	1.01	85	R610900	☐	15-079			☐	☐	☐
31.29	32.61	1.32	GRD	1.15	87	R610901	☐	15-079			☐	☐	☐
32.61	35.66	3.05	GRD	3.05	100	R610902	☐	15-079			☐	☐	☐
32.61	35.66	3.05	GRD	3.05	100	R610903	☐	15-079			☐	☐	☑
35.66	37.26	1.60	GRD	1.55	97	R610904	☐	15-079			☐	☐	☐
37.26	37.56	0.30	GRD	0.30	100	R610905	☐	15-079			☐	☐	☐
37.56	39.51	1.95	GRD	1.42	73	R610906	☐	15-079			☐	☐	☐
39.51	40.40	0.89	GRD	0.81	91	R610907	☐	15-079			☐	☐	☐
40.40	40.78	0.38	GRD	0.38	100	R610908	☐	15-079			☐	☐	☐
40.78	41.69	0.91	GRD	0.88	97	R610909	☐	15-079			☐	☐	☐
79.64	80.53	0.89	GRD	0.89	100	R610910	☐	15-079			☐	☐	☐
80.53	80.83	0.30	GRD	0.30	100	R610911	☐	15-079			☐	☐	☐
80.83	81.70	0.87	GRD	0.87	100	R610912	☐	15-079			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
91.61	92.20	0.59	GRD	0.59	100	R610913	☐	15-079			☐	☐	☐
92.20	92.50	0.30	GRD	0.30	100	R610914	☐	15-079			☐	☐	☐
92.50	93.25	0.75	GRD	0.75	100	R610916	☐	15-079			☐	☐	☐
93.25	93.57	0.32	GRD	0.32	100	R610917	☐	15-079			☐	☐	☐
93.57	94.23	0.66	GRD	0.66	100	R610919	☐	15-079			☐	☐	☐
99.67	100.57	0.90	GRD	0.90	100	R610920	☐	15-079			☐	☐	☐
100.57	100.92	0.35	GRD	0.35	100	R610921	☐	15-079			☐	☐	☐
100.92	101.91	0.99	GRD	0.95	96	R610922	☐	15-079			☐	☐	☐
110.40	111.40	1.00	GRD	0.93	93	R610923	☐	15-081			☐	☐	☐
111.40	111.70	0.30	GRD	0.30	100	R610924	☐	15-081			☐	☐	☐
111.70	113.71	2.01	GRD	1.96	98	R610925	☐	15-081			☐	☐	☐
113.71	114.05	0.34	GRD	0.33	97	R610927	☐	15-081			☐	☐	☐
114.05	114.90	0.85	GRD	0.79	93	R610928	☐	15-081			☐	☐	☐
136.78	138.40	1.62	GRD, GRD	1.62	100	R610929	☐	15-081			☐	☐	☐
138.40	138.97	0.57	GRD	0.56	98	R610930	☐	15-081			☐	☐	☐
138.97	140.34	1.37	GRD	1.34	98	R610932	☐	15-081			☐	☐	☐
140.34	140.64	0.30	GRD	0.30	100	R610933	☐	15-081			☐	☐	☐
140.64	142.67	2.03	GRD	1.99	98	R610934	☐	15-081			☐	☐	☐
142.67	143.12	0.45	GRD	0.43	96	R610935	☐	15-081			☐	☐	☐
143.12	145.39	2.27	GRD	2.26	100	R610936	☐	15-081			☐	☐	☐
145.39	147.87	2.48	GRD	2.39	96	R610937	☐	15-081			☐	☐	☐
145.39	147.87	2.48	GRD	2.39	96	R610938	☐	15-081			☐	☐	☑
147.87	149.09	1.22	GRD	1.18	97	R610939	☐	15-081			☐	☐	☐
149.09	150.27	1.18	GRD	1.17	99	R610940	☐	15-081			☐	☐	☐
150.27	151.49	1.22	GRD	1.21	99	R610941	☐	15-081			☐	☐	☐
151.49	153.47	1.98	GRD	1.89	95	R610942	☐	15-081			☐	☐	☐
153.47	154.39	0.92	GRD	0.91	99	R610944	☐	15-081			☐	☐	☐
154.39	155.39	1.00	GRD	0.96	96	R610945	☐	15-081			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
155.39	155.88	0.49	GRD	0.49	100	R610946	☐	15-081			☐	☐	☐
163.68	164.08	0.40	GRD	0.40	100	R610947	☐	15-081			☐	☐	☐
164.08	165.38	1.30	GRD	1.29	99	R610948	☐	15-081			☐	☐	☐
164.08	165.38	1.30	GRD	1.29	99	R610949	☐	15-081			☐	☑	☐
165.38	166.91	1.53	GRD	1.44	94	R610950	☐	15-081			☐	☐	☐
166.91	168.27	1.36	GRD	1.31	96	R610951	☐	15-081			☐	☐	☐
195.74	196.77	1.03	GRD	1.01	98	R610952	☐	15-081			☐	☐	☐
196.77	197.11	0.34	GRD	0.34	100	R610953	☐	15-081			☐	☐	☐
197.11	198.48	1.37	GRD	1.32	96	R610955	☐	15-081			☐	☐	☐
198.48	199.00	0.52	GRD	0.47	90	R610956	☐	15-081			☐	☐	☐
199.00	199.30	0.30	GRD, GRD	0.22	73	R499390	☐	15-099	HG		☐	☐	☐
199.30	199.89	0.59	GRD	0.59	100	R499391	☐	15-099	HG		☐	☐	☐
199.89	200.25	0.36	GRD, QFP	0.28	78	R610957	☐	15-081			☐	☐	☐
200.25	200.77	0.52	QFP	0.52	100	R610958	☐	15-081			☐	☐	☐
200.77	202.61	1.84	QFP	1.74	95	R610959	☐	15-082			☐	☐	☐
202.61	203.13	0.52	QFP	0.52	100	R610960	☐	15-082			☐	☐	☐
203.13	206.13	3.00	QFP	2.78	93	R610961	☐	15-082			☐	☐	☐
206.13	209.07	2.94	QFP	2.77	94	R610962	☐	15-082			☐	☐	☐
209.07	209.45	0.38	QFP	0.36	95	R610964	☐	15-082			☐	☐	☐
209.45	209.75	0.30	BXA, QFP	0.29	97	R610965	☐	15-082			☐	☐	☐
209.75	210.17	0.42	GRD	0.38	90	R610966	☐	15-082			☐	☐	☐
210.17	212.44	2.27	GRD	2.19	96	R610967	☐	15-082			☐	☐	☐

Klaza - Klaza Project

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		382971	6890214	1353.42	194.16

ZONE: Central Klaza

SECTION:

HOLE: KL-15-270

CLAIM:

Contractor: Platinum

Drill: 2

Core Size: HQ

Casing Depth: 3.35m, Out

Drilling Dates: Jul 22 - Jul 23, 2015

Geology Logged By: D. Walsh

SURVEY			
Depth (m)	Azimuth	Dip	Method
11.27	54.1	-47.7	Reflex
194.15	35	-49	Reflex

TARGET:

SUMMARY			
From (m)	To (m)	Interval (m)	Rock Type
0	3.35	3.35	CAS
3.35	23.89	20.54	GRD
23.89	29.7	5.81	GRD
29.7	51	21.3	GRD
51	56.86	5.86	QFP
56.86	58.91	2.05	GRD
58.91	67.2	8.29	QFP
67.2	72.05	4.85	GRD
72.05	72.45	0.4	VEN
72.45	87.11	14.66	GRD
87.11	91.83	4.72	GRD
91.83	94.69	2.86	GRD
94.69	96.34	1.65	GRD
96.34	97.23	0.89	QFP
97.23	101.45	4.22	GRD
101.45	105.88	4.43	GRD

SAMPLES	
Numbers:	M675409 to M675539, R499392 to R499405
Total:	145
Batch:	080, 083, 084, 085, 087, 099
Certificates:	WH15112694, WH15112719, WH15112737, WH15115547, WH15115557, WH15115633, WH15115634, WH15120495

COMMENTS

105.88	112.26	6.38	GRD
112.26	130.77	18.51	GRD
130.77	159.1	28.33	GRD
159.1	163.36	4.26	GRD
163.36	168.12	4.76	GRD
168.12	176.76	8.64	GRD
176.76	177.9	1.14	GRD
177.9	194.16	16.26	GRD

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
3.35	23.89	20.54	GRD	MG	Primarily unaltered granodiorite with moderate to strong oxidation along fracture surfaces. Sporadic highly fractured or rubbly zones.							
						MD	OR	FR	OXI	3I		
						MD	GY		OXI	4I		
23.89	29.70	5.81	GRD	MG	Alternating patches of weak phyllic alteration, weakly potassic/propyllitic overprinted argillic alteration and weak potassic/propyllitic alteration.							
						MD	GY		POT	2I		
						MD	PK					
						LT	GN	PA	PHC	2I		
						LT	WH		ARG	3I		
						DK	GN		PRO	2I		
29.70	35.82	6.12	GRD	MG	The first central Klaza Zone? Moderate to strong phyllic altered granodiorite hosting multiple polymetallic quartz/sulphide veins and massive sulphide veins. Areas of veining have the strongest phyllic alteration.							
						MD	GN					
						LT	GN		PHC	3I		
						LT	GY		PHC	4I		
35.82	39.34	3.52	GRD	MG	Moderate phyllic altered granodiorite with moderate oxidation along fracture surfaces.							
						MD	GN		OXI	3I		
						MD	OR					
						LT	GN		PHC	3I		
39.34	41.60	2.26	GRD	MG	Weakly potassic/propyllitic overprinted moderate argillic altered granodiorite.							
						MD	PK					
						LT	WH					
						DK	GN					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
44.11	44.58	0.47	GRD	MG	Weakly potassic/propyllitic overprinted moderate argillic altered granodiorite.							
						MD	PK		POT	2I		
						LT	WH		ARG	3I		
						DK	GN		PRO	2I		
44.58	51.00	6.42	GRD	MG	The first central Klaza Zone? Moderate to strong phyllic altered granodiorite hosting multiple polymetallic quartz/sulphide veins. Areas of veining have the strongest phyllic alteration.							
						MD	GN		PHC	4I		
						LT	GN		PHC	3I		
						LT	GY					
51.00	56.86	5.86	QFP	FG	Light grey/tan quartz feldspar porphyry dyke.							
						LT	GY	PO				
						LT	TN					
56.86	58.91	2.05	GRD	MG	Patchy weak phyllic and moderate potassic. Argillic alteration.							
						MD	PK		POT	2I		
						LT	GN		PHC	2I		
						LT	WH		ARG	3I		
58.91	67.20	8.29	QFP	FG	Light grey/tan quartz feldspar porphyry dyke.							
						LT	GY	PO				
						LT	TN					
67.20	72.05	4.85	GRD	MG	Moderate phyllic altered granodiorite with patchy weak potassic/propyllitic alteration.							
						MD	PK		POT	2I		
						LT	GN	PA	PHC	3I		
						DK	GN		PRO	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
72.05	72.45	0.40	VEN	--	Multiphase Central Klaza polymetallic quartz/sulphide vein. The first 27cm are massive sulphide that have brecciated grey quartz that contains interstitial white carbonate. Sulphides are comprised of massive black jack sphalerite, disseminated to blebby pyrite, chalcopyrite and galena. Brecciated quartz hosts disseminated jamesonite. Both sulphides and quartz are cut by barren white carbonate veinlets and stringers. The last 12cm are a smoky quartz breccia. Smoky quartz brecciates phyllic altered granodiorite and quartz vein that hosts disseminated to blebby pyrite.							
						MD	GY	BX			Sp	40
						DK	GY				Py	10
											Cp	2
											Gn	2
											Jm	0.1
72.45	82.60	10.15	GRD	MG	Alternating patches of potassic/argillic alteration, moderate propyllitic alteration and weak potassic/propyllitic alteration.							
						MD	PK		POT	3I		
						LT	WH	PA	ARG	3I		
						DK	GN		POT	2I		
									PRO	2I		
									PRO	3I		
82.60	83.38	0.78	GRD	MG	Moderate phyllic envelope around a quartz/carbonate/sulphide vein.							
						MD	GN	EN	PHC	3I		
						LT	GN					
83.38	87.11	3.73	GRD	MG	Moderate potassic/argillic alteration with patchy weak propyllitic alteration.							
						MD	PK		PRO	2I		
						LT	WH		ARG	3I		
						DK	GN		POT	3I		
87.11	90.83	3.72	GRD	MG	Moderate phyllic altered granodiorite hosting multiple polymetallic quartz/sulphide veins. Hosts trace disseminated pyirte.							
						MD	GN					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	GN		PHC	3I	Py	0.1
90.83	91.83	1.00	GRD	MG	Moderate argillic altered granodiorite.							
						LT	WH		ARG	3I		
91.83	94.69	2.86	GRD	MG	Patchy weak phyllic, argillic and propyllitic alteration.							
						MD	GY		PHC	2I		
						LT	WH		PRO	2I		
						LT	GN					
						DK	GN		ARG	2I		
94.69	96.34	1.65	GRD	MG	Moderate to strongly altered phyllic altered granodiorite hosting disseminated pyrite and multiple quartz/sulphide veins.							
						MD	GY		PHC	4I		
						LT	GN		PHC	3I	Py	1
						LT	GY					
96.34	97.23	0.89	QFP	FG	Light grey quartz feldspar porphyry dyke.							
						LT	GY					
97.23	101.45	4.22	GRD	MG	Intensely silicified phyllic altered granodiorite with patchy partial gouge alteration. Hosts multiple gouge altered quartz/pyrite veins that are surrounded by strong sericite envelopes.							
						MD	GY		PHC	4I		
						LT	GY		SIL	4I	Py	1
									SER	4I		
101.45	105.88	4.43	GRD	MG	Moderate phyllic altered granodiorite with patchy strong silicification and patchy partial gouge alteration. Hosts disseminated pyrite.							
						MD	GN		SIL	4I	Py	1
						LT	GN		PHC	3I		
						LT	GY		PHC	4I		
105.88	112.26	6.38	GRD	MG	Intensely silicified phyllic altered granodiorite with patchy partial gouge alteration. Hosts multiple gouge altered quartz/pyrite veins that are surrounded by strong sericite envelopes.							
						MD	GY		PHC	4I		
						LT	GY		SIL	4I	Py	1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
									SER	4I		
112.26	124.72	12.46	GRD	MG	Moderate to strongly silicified, moderate to strongly phyllic altered granodiorite with sporadic patches of weak to moderate sericite alteration. Hosts disseminated pyrite.							
						MD	GY		PHC	4I		
						MD	GN		SIL	4I		
						LT	GY		PHC	3I	Py	1
						LT	GN		SIL	3I		
									SER	3I		
124.72	125.60	0.88	GRD	MG	Fractured intensely silicified phyllic altered granodiorite. Hosts disseminated pyrite.							
						MD	GY		PHC	3I		
						LT	GY	FR	SIL	5I	Py	1
125.60	126.45	0.85	GRD	MG	Intensely sericite altered granodiorite with pervasive disseminated to blebby pyrite mineralization.							
						MD	BR					
						LT	WH		SER	5I	Py	50
126.45	130.77	4.32	GRD	MG	Moderate to strongly silicified, moderate to strongly phyllic altered granodiorite with sporadic patches of weak to moderate sericite alteration. Hosts disseminated pyrite.							
						MD	GY		PHC	4I		
						MD	GN		SIL	4I		
						LT	GY		PHC	3I	Py	1
						LT	GN		SIL	3I		
									SER	3I		
130.77	136.42	5.65	GRD	MG	Moderately silicified, moderately phyllic altered granodiorite with patchy weak gouge alteration. Hosts disseminated pyrite.							
						MD	GN					
						LT	GN		SIL	3I		
						LT	GY		PHC	3I	Py	1
136.42	140.30	3.88	GRD	MG	Strongly gouge altered phyllic altered granodiorite hosting disseminated pyrite.							
						LT	GN					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	GY		PHC	3I	Py	1
140.30	159.10	18.80	GRD	MG	Moderately silicified, moderately phyllic altered granodiorite with patchy weak gouge alteration. Hosts disseminated pyrite.							
						MD	GN					
						LT	GY		PHC	3I	Py	1
						LT	GN		SIL	3I		
159.10	159.47	0.37	GRD	MG	Weakly gouge altered weak potassic/propyllitic altered granodiorite.							
						MD	GY		POT	2I		
						MD	PK					
						LT	GY		PRO	2I		
						DK	GN					
159.47	160.71	1.24	GRD	MG	Moderately propyllitic and hematized granodiorite.							
						MD	GY		PRO	3I	He	5
						DK	RD		HEM	3I		
						DK	GN					
160.71	163.36	2.65	GRD	MG	Weakly gouge altered weak potassic/propyllitic altered granodiorite.							
						MD	GY		POT	2I		
						MD	PK					
						LT	GY		PRO	2I		
						DK	GN					
163.36	168.12	4.76	GRD	MG	Moderately phyllic altered granodiorite that has been significantly gouge altered. Hosts disseminated pyrite.							
						MD	GY					
						MD	GN					
						LT	GY		PHC	3I	Py	3
						LT	GN					
						DK	GY					
168.12	176.76	8.64	GRD	MG	Fractured strong to intensely silicified moderately phyllic altered granodiorite. Hosts disseminated pyrite and sporadic patches of mineralized strong gouge alteration.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GY		SIL	5I		
						LT	GY	FR	SIL	4I	Py	1
						LT	GN		PHC	3I		
176.76	177.90	1.14	GRD	MG	Moderately silicified, moderately phyllic altered granodiorite.							
						MD	GN		SIL	3I		
						LT	GN		PHC	3I		
						LT	GY					
177.90	184.03	6.13	GRD	MG	Alternating patches of moderate argillic, weak potassic propyllitic alteration, and silicified weak propyllitic/potassic alteration.							
						MD	GY		POT	2I		
						MD	PK		ARG	3I		
						LT	WH	PA	PRO	2I		
						LT	GN					
						DK	GN		PHC	3I		
188.55	194.16	5.61	GRD	MG	Alternating patches of moderate argillic, weak potassic propyllitic alteration, and silicified weak propyllitic/potassic alteration.							
						MD	GY		POT	2I		
						MD	PK		ARG	3I		
						LT	WH	PA	PRO	2I		
						LT	GN					
						DK	GN		PHC	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
3.35	23.89	20.54	GRD	MG	Primarily unaltered granodiorite with moderate to strong oxidation along fracture surfaces. Sporadic highly fractured or rubbly zones.							
						MD	OR	FR	OXI	3I		
						MD	GY		OXI	4I		
23.89	29.70	5.81	GRD	MG	Alternating patches of weak phyllic alteration, weakly potassic/propyllitic overprinted argillic alteration and weak potassic/propyllitic alteration.							
						MD	GY		POT	2I		
						DK	GN		PRO	2I		
						MD	PK					
						LT	WH		ARG	3I		
						LT	GN	PA	PHC	2I		
29.70	51.00	21.30	GRD	MG	Central Klaza Zone? Moderate phyllic altered granodiorite hosting two main vein zone of polymetallic quartz/sulphide veining and massive sulphide veining. Areas of veining have the strongest phyllic alteration and distal potassic/argillic alteration separates the two vein zones.							
						LT	GN		PHC	3I		
						LT	WH		ARG	3I		
						MD	PK		POT	3I		
51.00	56.86	5.86	QFP	FG	Light grey/tan quartz feldspar porphyry dyke.							
						LT	GY	PO				
						LT	TN					
56.86	58.91	2.05	GRD	MG	Patchy weak phyllic and moderate potassic. Argillic alteration.							
						LT	GN		PHC	2I		
						LT	WH		ARG	3I		
						MD	PK		POT	2I		
58.91	67.20	8.29	QFP	FG	Light grey/tan quartz feldspar porphyry dyke.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	GY	PO				
						LT	TN					
67.20	72.05	4.85	GRD	MG	Moderate phyllic altered granodiorite with patchy weak potassic/propyllitic alteration.							
						DK	GN		PRO	2I		
						LT	GN	PA	PHC	3I		
						MD	PK		POT	2I		
72.05	72.45	0.40	VEN	--	Multiphase Central Klaza polymetallic quartz/sulphide vein. The first 27cm are massive sulphide that have brecciated grey quartz that contains interstitial white carbonate. Sulphides are comprised of massive black jack sphalerite, disseminated to blebby pyrite, chalcopyrite and galena. Brecciated quartz hosts disseminated jamesonite. Both sulphides and quartz are cut by barren white carbonate veinlets and stringers. The last 12cm are a smoky quartz breccia. Smoky quartz brecciates phyllic altered granodiorite and quartz vein that hosts disseminated to blebby pyrite.							
											Cp	2
											Jm	0.1
											Gn	2
						MD	GY	BX			Sp	40
						DK	GY				Py	10
72.45	87.11	14.66	GRD	MG	Alternating patches of potassic/argillic alteration, moderate propyllitic alteration and weak potassic/propyllitic alteration.							
						MD	PK		POT	3I		
						LT	WH	PA	ARG	3I		
						DK	GN		POT	2I		
									PRO	2I		
									PRO	3I		
87.11	91.83	4.72	GRD	MG	Moderate phyllic altered granodiorite hosting multiple polymetallic quartz/sulphide veins. Hosts trace disseminated pyrite. Ends in 1m of argillic alteration.							
						LT	GN		PHC	3I	Py	0.1
						MD	GN					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
91.83	94.69	2.86	GRD	MG	Patchy weak phyllic, argillic and propyllitic alteration.							
						MD	GY		PHC	2I		
						LT	GN					
						DK	GN		ARG	2I		
						LT	WH		PRO	2I		
94.69	96.34	1.65	GRD	MG	Moderate to strongly altered phyllic altered granodiorite hosting disseminated pyrite and multiple quartz/sulphide veins.							
						LT	GY					
						LT	GN		PHC	3I	Py	1
						MD	GY		PHC	4I		
96.34	97.23	0.89	QFP	FG	Light grey quartz feldspar porphyry dyke.							
						LT	GY					
97.23	101.45	4.22	GRD	MG	Intensely silicified phyllic altered granodiorite with patchy partial gouge alteration. Hosts multiple gouge altered quartz/pyrite veins that are surrounded by strong sericite envelopes.							
						MD	GY		PHC	4I		
									SER	4I		
						LT	GY		SIL	4I	Py	1
101.45	105.88	4.43	GRD	MG	Moderate phyllic altered granodiorite with patchy strong silicification and patchy partial gouge alteration. Hosts disseminated pyrite.							
						MD	GN		SIL	4I	Py	1
						LT	GY		PHC	4I		
						LT	GN		PHC	3I		
105.88	112.26	6.38	GRD	MG	Intensely silicified phyllic altered granodiorite with patchy partial gouge alteration. Hosts multiple gouge altered quartz/pyrite veins that are surrounded by strong sericite envelopes.							
						LT	GY		SIL	4I	Py	1
						MD	GY		PHC	4I		
									SER	4I		
112.26	130.77	18.51	GRD	MG	Moderate to strongly silicified, moderate to strongly phyllic altered granodiorite with sporadic patches of weak to moderate sericite alteration. Hosts disseminated pyrite.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	GY		PHC	3I	Py	1
						MD	GY		PHC	4I		
						LT	GN		SIL	3I		
						MD	GN		SIL	4I		
									SER	3I		
130.77	159.10	28.33	GRD	MG	Moderately silicified, moderately phyllic altered granodiorite with patchy weak gouge alteration. Hosts disseminated pyrite.							
						LT	GY		PHC	3I	Py	1
						LT	GN		SIL	3I		
						MD	GN					
159.10	163.36	4.26	GRD	MG	Weakly gouge altered weak potassic/propyllitic altered granodiorite.							
						LT	GY		PRO	2I		
						MD	GY		POT	2I		
						DK	GN					
						MD	PK					
163.36	168.12	4.76	GRD	MG	Moderately phyllic altered granodiorite that has been significantly gouge altered. Hosts disseminated pyrite.							
						MD	GY					
						DK	GY					
						LT	GN					
						LT	GY		PHC	3I	Py	3
						MD	GN					
168.12	176.76	8.64	GRD	MG	Fractured strong to intensely silicified moderately phyllic altered granodiorite. Hosts disseminated pyrite and sporadic patches of mineralized strong gouge alteration.							
						LT	GY	FR	SIL	4I	Py	1
						MD	GY		SIL	5I		
						LT	GN		PHC	3I		
176.76	177.90	1.14	GRD	MG	Moderately silicified, moderately phyllic altered granodiorite.							
						LT	GN		PHC	3I		
						MD	GN		SIL	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	GY					
177.90	194.16	16.26	GRD	MG	Alternating patches of moderate argillic, weak potassic propyllitic alteration, and silicified weak propyllitic/potassic alteration. Moderate phyllic envelopes occurs around quartz/carbonate/sulphide veining and brecciation.							
						LT	WH	PA	PRO	2I		
						MD	GY		POT	2I		
						DK	GN		PHC	3I		
						MD	PK		ARG	3I		
						LT	GN					

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
0.00	3.35	3.35	0	0	0.00	0	--	--	--	Casing, no recovery.
3.35	5.49	2.14	1.95	91	0.31	14	--	3H	2W	
5.49	8.53	3.04	2.8	92	1.71	56	--	4H	2W	
8.53	11.58	3.05	2.91	95	1.74	57	--	4H	2W	
11.58	14.63	3.05	3.05	100	1.05	34	--	4H	2W	
14.63	17.68	3.05	2.97	97	1.09	36	--	4H	2W	
17.68	20.73	3.05	2.41	79	0.78	26	--	3H	2W	
20.73	23.77	3.04	3.03	100	2.18	72	--	4H	2W	
23.77	26.82	3.05	2.42	79	1.14	37	--	3H	1W	
26.82	29.87	3.05	3.04	100	1.85	61	--	3H	1W	
29.87	32.92	3.05	2.98	98	1.77	58	--	3H	1W	
32.92	35.96	3.04	3.04	100	0.75	25	--	3H	3W	
35.96	39.01	3.05	3.05	100	1.04	34	--	3H	2W	
39.01	42.06	3.05	2.84	93	0.74	24	--	3H	3W	
42.06	45.11	3.05	3.05	100	1.23	40	--	4H	1W	
45.11	48.15	3.04	3.04	100	1.24	41	--	4H	1W	
48.15	51.20	3.05	3.05	100	1.46	48	--	4H	1W	
51.20	54.25	3.05	3.05	100	1.74	57	--	4H	1W	
54.25	57.30	3.05	2.87	94	0.96	31	--	3H	1W	
57.30	60.35	3.05	3.05	100	1.55	51	--	4H	2W	
60.35	63.39	3.04	2.96	97	2.02	66	--	4H	1W	
63.39	66.44	3.05	3.05	100	2.32	76	--	4H	1W	
66.44	69.49	3.05	3.05	100	1.83	60	--	4H	1W	
69.49	72.54	3.05	3.05	100	2.52	83	--	4H	1W	
72.54	75.59	3.05	2.86	94	1.47	48	--	4H	1W	
75.59	78.63	3.04	3.04	100	1.67	55	--	3H	1W	
78.63	81.68	3.05	3.05	100	2.09	69	--	4H	1W	
81.68	84.73	3.05	3.05	100	1.36	45	--	4H	1W	
84.73	87.78	3.05	3.05	100	2.96	97	--	3H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
87.78	90.83	3.05	2.99	98	1.83	60	--	3H	1W	
90.83	93.87	3.04	3.01	99	2.83	93	--	3H	1W	
93.87	96.92	3.05	3.02	99	2.83	93	--	4H	1W	
96.92	99.97	3.05	3.04	100	2.80	92	--	2H	1W	
99.97	103.02	3.05	3.05	100	0.42	14	--	2H	1W	
103.02	106.07	3.05	3.05	100	1.45	48	--	3H	1W	
106.07	109.12	3.05	3.05	100	0.00	0	--	3H	1W	
109.12	112.17	3.05	3.05	100	0.18	6	--	3H	1W	
112.17	115.21	3.04	2.85	94	1.22	40	--	4H	1W	
115.21	118.26	3.05	3.05	100	2.43	80	--	4H	1W	
118.26	121.31	3.05	3.03	99	1.89	62	--	3H	1W	
121.31	124.36	3.05	3.05	100	2.42	79	--	4H	1W	
124.36	127.41	3.05	3.05	100	2.23	73	--	3H	1W	
127.41	130.45	3.04	3.03	100	0.00	0	--	3H	1W	
130.45	133.50	3.05	3.02	99	2.74	90	--	3H	1W	
133.50	136.55	3.05	3.05	100	1.59	52	--	3H	1W	
136.55	139.60	3.05	3.05	100	3.05	100	--	3H	1W	
139.60	142.64	3.04	3.03	100	2.90	95	--	4H	1W	
142.64	145.69	3.05	3.05	100	3.05	100	--	3H	1W	
145.69	148.74	3.05	3.04	100	2.70	89	--	4H	1W	
148.74	151.79	3.05	3.04	100	2.19	72	--	3H	1W	
151.79	154.84	3.05	3.05	100	3.05	100	--	3H	1W	
154.84	157.89	3.05	3.04	100	2.46	81	--	3H	1W	
157.89	160.93	3.04	3.03	100	2.43	80	--	3H	1W	
160.93	163.98	3.05	3.05	100	2.82	92	--	3H	1W	
163.98	167.08	3.10	3.04	98	2.42	78	--	2H	2W	
167.08	170.10	3.02	3.02	100	2.36	78	--	2H	2W	
170.10	171.90	1.80	1.8	100	1.44	80	--	3H	2W	
171.90	172.82	0.92	0.8	87	0.00	0	--	3H	1W	Photo-tech
172.82	175.87	3.05	3.05	100	0.85	28	--	4H	1W	Photo-tech (no joints)
175.87	178.92	3.05	3.05	100	1.00	33	--	4H	1W	Photo-tech (no joints)

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
178.92	181.97	3.05	3.04	100	0.83	27	--	4H	1W	Photo-tech (no joints)
181.97	185.01	3.04	2.95	97	1.78	59	--	4H	1W	Photo-tech (no joints)
185.01	188.06	3.05	3	98	1.64	54	--	4H	1W	Photo-tech (no joints)
188.06	191.11	3.05	2.87	94	0.41	13	--	4H	1W	Photo-tech (no joints)
191.11	194.16	3.05	2.89	95	1.89	62	--	4H	1W	Photo-tech (no joints)

KL-15-270

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
0.00	0.00	0.00	-QC-	0.00	0	M675466	☐	15-084			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R499405	☐	15-099	HG		☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R499394	☐	15-099	HG	KL-STD6	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M675536	☐	15-087			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M675520	☐	15-085			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M675518	☐	15-085		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M675510	☐	15-085		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M675410	☐	15-080		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M675475	☐	15-084		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M675461	☐	15-084			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M675458	☐	15-084		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M675453	☐	15-083			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M675447	☐	15-083			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M675445	☐	15-083		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M675424	☐	15-083		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M675414	☐	15-080			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M675498	☐	15-085			☑	☐	☐
29.15	29.87	0.72	GRD	0.72	100	M675409	☐	15-080			☐	☐	☐
29.87	30.22	0.35	GRD	0.35	100	M675411	☐	15-080			☐	☐	☐
30.22	30.90	0.68	GRD	0.68	100	M675412	☐	15-080			☐	☐	☐
30.90	31.95	1.05	GRD	1.00	95	R499392	☐	15-099	HG		☐	☐	☐
31.95	32.28	0.33	GRD	0.33	100	R499393	☐	15-099	HG		☐	☐	☐
32.28	32.59	0.31	GRD	0.31	100	R499395	☐	15-099	HG		☐	☐	☐
32.59	33.47	0.88	GRD	0.88	100	R499396	☐	15-099	HG		☐	☐	☐
32.59	33.47	0.88	GRD	0.88	100	R499397	☐	15-099	HG		☐	☐	☑
33.47	33.88	0.41	GRD	0.40	98	M675413	☐	15-080			☐	☐	☐
33.88	34.75	0.87	GRD	0.87	100	M675415	☐	15-080			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
34.75	35.29	0.54	GRD	0.54	100	R499398	☐	15-099	HG		☐	☐	☐
35.29	35.96	0.67	GRD	0.67	100	M675416	☐	15-080			☐	☐	☐
35.96	38.00	2.04	GRD	1.83	90	M675417	☐	15-080			☐	☐	☐
38.00	38.90	0.90	GRD	0.90	100	M675418	☐	15-080			☐	☐	☐
38.90	39.28	0.38	GRD	0.36	95	M675419	☐	15-083			☐	☐	☐
39.28	42.06	2.78	GRD	2.54	91	M675420	☐	15-083			☐	☐	☐
42.06	43.19	1.13	GRD	1.03	91	M675421	☐	15-083			☐	☐	☐
43.19	45.11	1.92	GRD	1.92	100	M675422	☐	15-083			☐	☐	☐
45.11	45.64	0.53	GRD	0.53	100	M675423	☐	15-083			☐	☐	☐
45.64	46.21	0.57	GRD	0.57	100	M675425	☐	15-083			☐	☐	☐
46.21	46.72	0.51	GRD	0.51	100	R499399	☐	15-099	HG		☐	☐	☐
46.72	47.35	0.63	GRD	0.63	100	R499400	☐	15-099	HG		☐	☐	☐
47.35	47.96	0.61	GRD	0.61	100	R499401	☐	15-099	HG		☐	☐	☐
47.96	48.27	0.31	GRD	0.31	100	R499402	☐	15-099	HG		☐	☐	☐
48.27	48.85	0.58	GRD	0.58	100	M675426	☐	15-083			☐	☐	☐
48.85	50.48	1.63	GRD	1.52	93	M675427	☐	15-083			☐	☐	☐
50.48	51.20	0.72	GRD	0.72	100	M675428	☐	15-083			☐	☐	☐
50.48	51.20	0.72	GRD	0.72	100	M675429	☐	15-083			☐	☐	☑
51.20	54.25	3.05	QFP	3.05	100	M675430	☐	15-083			☐	☐	☐
54.25	56.86	2.61	QFP	2.37	91	M675431	☐	15-083			☐	☐	☐
56.86	57.30	0.44	QFP, GRD	0.42	95	M675432	☐	15-083			☐	☐	☐
57.30	58.58	1.28	GRD	1.25	98	M675433	☐	15-083			☐	☐	☐
57.30	58.58	1.28	GRD	1.25	98	M675434	☐	15-083			☐	☑	☐
58.58	58.95	0.37	GRD	0.37	100	M675435	☐	15-083			☐	☐	☐
58.95	60.35	1.40	QFP	1.35	96	M675436	☐	15-083			☐	☐	☐
60.35	63.39	3.04	QFP	2.93	96	M675437	☐	15-083			☐	☐	☐
63.39	66.44	3.05	QFP	3.05	100	M675438	☐	15-083			☐	☐	☐
66.44	67.19	0.75	QFP	0.72	96	M675439	☐	15-083			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
67.19	68.15	0.96	QFP	0.96	100	M675440	☐	15-083			☐	☐	☐
68.15	69.49	1.34	GRD	1.34	100	M675441	☐	15-083			☐	☐	☐
69.49	70.83	1.34	GRD	1.34	100	M675442	☐	15-083			☐	☐	☐
70.83	71.73	0.90	GRD	0.90	100	M675443	☐	15-083			☐	☐	☐
71.73	72.04	0.31	GRD	0.31	100	R499403	☐	15-099	HG		☐	☐	☐
72.04	72.45	0.41	GRD	0.41	100	R499404	☐	15-099	HG		☐	☐	☐
72.45	72.77	0.32	VEN, GRD	0.32	100	M675444	☐	15-083			☐	☐	☐
72.77	73.83	1.06	GRD	1.03	97	M675446	☐	15-083			☐	☐	☐
73.83	75.59	1.76	GRD	1.57	89	M675448	☐	15-083			☐	☐	☐
75.59	78.63	3.04	GRD	3.04	100	M675449	☐	15-083			☐	☐	☐
78.63	81.68	3.05	GRD	3.05	100	M675450	☐	15-083			☐	☐	☐
81.68	82.74	1.06	GRD	1.06	100	M675451	☐	15-083			☐	☐	☐
82.74	83.20	0.46	GRD	0.46	100	M675452	☐	15-083			☐	☐	☐
83.20	84.73	1.53	GRD	1.53	100	M675454	☐	15-083			☐	☐	☐
84.73	87.27	2.54	GRD	2.54	100	M675455	☐	15-084			☐	☐	☐
87.27	87.78	0.51	GRD	0.51	100	M675456	☐	15-084			☐	☐	☐
87.78	88.48	0.70	GRD	0.70	100	M675457	☐	15-084			☐	☐	☐
88.48	89.04	0.56	GRD	0.56	100	M675459	☐	15-084			☐	☐	☐
89.04	89.63	0.59	GRD	0.56	95	M675460	☐	15-084			☐	☐	☐
89.63	91.89	2.26	GRD	2.25	100	M675462	☐	15-084			☐	☐	☐
91.89	94.74	2.85	GRD	2.84	100	M675463	☐	15-084			☐	☐	☐
94.74	95.51	0.77	GRD	0.73	95	M675464	☐	15-084			☐	☐	☐
95.51	96.35	0.84	GRD	0.84	100	M675465	☐	15-084			☐	☐	☐
96.35	97.23	0.88	QFP	0.88	100	M675467	☐	15-084			☐	☐	☐
97.23	97.90	0.67	GRD, QFP	0.67	100	M675468	☐	15-084			☐	☐	☐
97.90	99.12	1.22	GRD	1.18	97	M675469	☐	15-084			☐	☐	☐
99.12	101.49	2.37	GRD	2.35	99	M675470	☐	15-084			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
99.12	101.49	2.37	GRD	2.35	99	M675471	☐	15-084			☐	☐	☑
101.49	102.36	0.87	GRD	0.87	100	M675472	☐	15-084			☐	☐	☐
102.36	103.02	0.66	GRD	0.65	98	M675473	☐	15-084			☐	☐	☐
103.02	104.76	1.74	GRD	1.69	97	M675474	☐	15-084			☐	☐	☐
104.76	106.07	1.31	GRD	1.31	100	M675476	☐	15-084			☐	☐	☐
106.07	107.98	1.91	GRD	1.88	98	M675477	☐	15-084			☐	☐	☐
107.98	110.00	2.02	GRD	1.90	94	M675478	☐	15-084			☐	☐	☐
110.00	112.17	2.17	GRD	2.11	97	M675479	☐	15-084			☐	☐	☐
112.17	113.94	1.77	GRD	1.70	96	M675480	☐	15-084			☐	☐	☐
113.94	115.21	1.27	GRD	1.10	87	M675481	☐	15-084			☐	☐	☐
113.94	115.21	1.27	GRD	1.10	87	M675482	☐	15-084			☐	☑	☐
115.21	118.26	3.05	GRD	3.02	99	M675483	☐	15-084			☐	☐	☐
118.26	121.31	3.05	GRD	2.92	96	M675484	☐	15-084			☐	☐	☐
121.31	122.79	1.48	GRD	1.41	95	M675485	☐	15-084			☐	☐	☐
122.79	124.72	1.93	GRD	1.79	93	M675486	☐	15-084			☐	☐	☐
124.72	125.59	0.87	GRD	0.77	89	M675487	☐	15-084			☐	☐	☐
125.59	126.51	0.92	GRD	0.86	93	M675488	☐	15-084			☐	☐	☐
126.51	127.41	0.90	GRD	0.87	97	M675489	☐	15-084			☐	☐	☐
127.41	129.64	2.23	GRD	2.07	93	M675490	☐	15-084			☐	☐	☐
129.64	130.79	1.15	GRD	1.14	99	M675491	☐	15-085			☐	☐	☐
130.79	131.56	0.77	GRD	0.71	92	M675492	☐	15-085			☐	☐	☐
131.56	133.77	2.21	GRD	2.01	91	M675493	☐	15-085			☐	☐	☐
133.77	134.84	1.07	GRD	1.05	98	M675494	☐	15-085			☐	☐	☐
133.77	134.84	1.07	GRD	1.05	98	M675495	☐	15-085			☐	☑	☐
134.84	135.92	1.08	GRD	1.01	94	M675496	☐	15-085			☐	☐	☐
135.92	136.62	0.70	GRD	0.57	81	M675497	☐	15-085			☐	☐	☐
136.62	138.95	2.33	GRD	2.33	100	M675499	☐	15-085			☐	☐	☐
138.95	140.17	1.22	GRD	1.19	98	M675500	☐	15-085			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
140.17	141.82	1.65	GRD	1.62	98	M675501	☐	15-085			☐	☐	☐
141.82	142.64	0.82	GRD	0.80	98	M675502	☐	15-085			☐	☐	☐
142.64	145.69	3.05	GRD	3.03	99	M675503	☐	15-085			☐	☐	☐
145.69	148.74	3.05	GRD	2.89	95	M675504	☐	15-085			☐	☐	☐
148.74	151.79	3.05	GRD	3.01	99	M675505	☐	15-085			☐	☐	☐
148.74	151.79	3.05	GRD	3.01	99	M675506	☐	15-085			☐	☐	☑
151.79	153.12	1.33	GRD	1.27	95	M675507	☐	15-085			☐	☐	☐
153.12	154.84	1.72	GRD	1.72	100	M675508	☐	15-085			☐	☐	☐
154.84	156.11	1.27	GRD	1.26	99	M675509	☐	15-085			☐	☐	☐
156.11	156.75	0.64	GRD	0.64	100	M675511	☐	15-085			☐	☐	☐
156.75	157.85	1.10	GRD	1.10	100	M675512	☐	15-085			☐	☐	☐
157.85	159.31	1.46	GRD	1.40	96	M675513	☐	15-085			☐	☐	☐
159.31	160.68	1.37	GRD	1.37	100	M675514	☐	15-085			☐	☐	☐
160.68	162.42	1.74	GRD	1.72	99	M675515	☐	15-085			☐	☐	☐
162.42	163.85	1.43	GRD	1.34	94	M675516	☐	15-085			☐	☐	☐
163.85	165.38	1.53	GRD	1.53	100	M675517	☐	15-085			☐	☐	☐
165.38	166.20	0.82	GRD	0.82	100	M675519	☐	15-085			☐	☐	☐
166.20	167.08	0.88	GRD	0.88	100	M675521	☐	15-085			☐	☐	☐
167.08	168.02	0.94	GRD	0.94	100	M675522	☐	15-085			☐	☐	☐
168.02	169.22	1.20	GRD	1.15	96	M675523	☐	15-085			☐	☐	☐
169.22	171.42	2.20	GRD	2.20	100	M675524	☐	15-085			☐	☐	☐
171.42	172.82	1.40	GRD	1.04	74	M675525	☐	15-085			☐	☐	☐
172.82	173.87	1.05	GRD	1.05	100	M675526	☐	15-085			☐	☐	☐
173.87	175.55	1.68	GRD	1.68	100	M675527	☐	15-087			☐	☐	☐
175.55	176.02	0.47	GRD	0.36	77	M675528	☐	15-087			☐	☐	☐
176.02	176.84	0.82	GRD	0.66	80	M675529	☐	15-087			☐	☐	☐
176.84	177.94	1.10	GRD	0.98	89	M675530	☐	15-087			☐	☐	☐
177.94	178.92	0.98	GRD	0.85	87	M675531	☐	15-087			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
177.94	178.92	0.98	GRD	0.85	87	M675532	☐	15-087			☐	☐	☑
178.92	181.97	3.05	GRD	2.86	94	M675533	☐	15-087			☐	☐	☐
181.97	184.21	2.24	GRD	2.01	90	M675534	☐	15-087			☐	☐	☐
184.21	185.01	0.80	GRD	0.70	88	M675535	☐	15-087			☐	☐	☐
185.01	186.08	1.07	GRD	0.90	84	M675537	☐	15-087			☐	☐	☐
186.08	187.25	1.17	GRD	1.17	100	M675538	☐	15-087			☐	☐	☐
187.25	188.17	0.92	GRD	0.72	78	M675539	☐	15-087			☐	☐	☐

Klaza - Klaza Project

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		381639	6889853	1294.48	401.12

ZONE: Central BRX

SECTION: BRX 9+450

HOLE: KL-15-271

CLAIM:

Contractor: Platinum

Drill: 1

Core Size: HQ-NQ2

Casing Depth: 4.57m, Out

Drilling Dates: Jul 23 - Jul 27, 2015

Geology Logged By: T. Cruz

SURVEY			
Depth (m)	Azimuth	Dip	Method
8.22	30.2	-50.4	Reflex
401.11	41.7	-49	Reflex

TARGET:

SUMMARY			
From (m)	To (m)	Interval (m)	Rock Type
0	4.57	4.57	CAS
4.57	29.61	25.04	GRD
29.61	51.55	21.94	GRD
51.55	109.65	58.1	GRD
109.65	113.51	3.86	GRD
113.51	117.64	4.13	GRD
117.64	160.53	42.89	GRD
160.53	169.8	9.27	GRD
169.8	179.6	9.8	GRD
179.6	249.4	69.8	GRD
249.4	256.43	7.03	GRD
256.43	266.93	10.5	GRD
266.93	274.81	7.88	GRD
274.81	289.36	14.55	GRD
289.36	294.93	5.57	GRD
294.93	334.95	40.02	GRD

SAMPLES	
Numbers:	K289401 to K289492, R499407 to R499411, R610968 to R611000
Total:	130
Batch:	082, 086, 089, 091, 099
Certificates:	WH15112707, WH15115548, WH15115562, WH15115573, WH15115633, WH15115634

COMMENTS

Reduced to NQ at 236.83m
15ft casing lost.

334.95	366.8	31.85	GRD
366.8	372.57	5.77	GRD
372.57	373.41	0.84	VEN
373.41	378.04	4.63	QFP
378.04	380.04	2	GRD
380.04	381.39	1.35	GRD
381.39	389.26	7.87	GRD
389.26	401.12	11.86	GRD

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
4.57	7.30	2.73	GRD	MG	Fractured granodiorite with semipervasive oxide staining and a large amount of mud recovery.							
						MD	BN	RB	OXI	3I		
						MD	GY	FR				
								PB				
7.30	11.45	4.15	GRD	MG	Argillic and gouged granodiorite, intensely fractured and rubbly. Strong oxide staining leads to an orange-brown colouration.							
						MD	OR	RB	ARG	3I		
						MD	BN	FR	OXI	5I		
11.45	12.75	1.30	GRD	MG	Fractured granodiorite with weak oxide staining, limited to fracture surfaces.							
						MD	GY	FR	OXI	2I		
						MD	BN					
12.75	20.63	7.88	GRD	MG	Fractured granodiorite with moderate brown oxide staining.							
						MD	BN	RB				
						MD	GY	FR	OXI	2I		
20.63	29.61	8.98	GRD	MG	Fractured, rubbly granodiorite with pervasive strong oxide staining. Cut by several gouge seams and much of recovery is rubbly. Oxide staining is brown and orange.							
						MD	OR	RB	CLY	3I		
						MD	BN	FR	OXI	4I		
						DK	BN		ARG	3I		
29.61	33.74	4.13	GRD	MG	Fractured granodiorite with pervasive weak argillic alteration and oxide staining on fractures.							
						MD	GY	FR	ARG	2I		
						MD	BN					
						LT	GY		OXI	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
33.74	34.70	0.96	GRD	MG	Crumbled, strongly argillic, and strongly oxide stained granodiorite.							
						MD	BN	PB	OXI	4I		
						DK	BN	RB	ARG	4I		
34.70	36.00	1.30	GRD	MG	Granodiorite with weak pervasive argillic alteration and oxide staining on fractures.							
						MD	BN		OXI	2I		
						MD	GY					
						LT	GY		ARG	1I		
36.00	36.50	0.50	GRD	MG	Bright orange oxide stained gouge seam.							
						MD	OR		CLY	4I		
						MD	BN		OXI	4I		
36.50	41.25	4.75	GRD	MG	Patchy weak argillic altered granodiorite with fractures stained by oxide.							
						MD	GY		OXI	2I		
						MD	BN					
						LT	GY	FR	ARG	2I		
41.25	42.30	1.05	GRD	MG	Fractured, gouged, and strongly oxide stained granodiorite.							
						MD	BN	RB	OXI	4I		
						MD	OR					
						DK	BN	FR				
42.30	51.55	9.25	GRD	MG	Granodiorite with oxide staining on its fractures, and semi-pervasive staining extending from narrow gouge seams.							
						MD	GY	PA	OXI	2I		
						MD	BN					
						LT	WH					
51.55	76.60	25.05	GRD	MG	Fresh granodiorite, cut by rare white quartz-carbonate veins/veinlets. Patches of trace propylitic and silicification.							
						MD	GY		PRO	1I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
									SIL	1I		
									OXI	1I		
76.60	79.81	3.21	GRD	MG	Series of phyllic-propylitic halos on white quartz-carbonate veining hosting trace disseminated pyrite.							
						MD	GN		PRO	2I		
						LT	GN	PA	PHC	2I	Py	0.1
79.81	90.86	11.05	GRD	MG	Fresh granodiorite, cut by rare white quartz-carbonate veins/veinlets. Patches of trace propylitic and silicification.							
						MD	GY	PA	PRO	1I		
						MD	GN		SIL	1I		
90.86	92.54	1.68	GRD	MG	Wide phyllic halo on gouge seams and chlorite-hematite-quartz veining.							
						LT	GN		PHC	3I	He	0.1
									CLY	2I		
92.54	104.98	12.44	GRD	MG	Fresh granodiorite, cut by rare white quartz-carbonate veins/veinlets. Patches of trace propylitic and silicification.							
						MD	GY	PA	PRO	1I		
						MD	GN		SIL	1I		
104.98	105.69	0.71	GRD	MG	Moderately phyllic and weak clay altered halo a gouge seam and grey quartz vein.							
						LT	GN		PHC	3I		
									CLY	2I		
105.69	107.24	1.55	GRD	MG	Moderately argillic and weak potassic altered granodiorite.							
						LT	WH	MO	ARG	3I		
						LT	PK		POT	2I		
107.24	109.65	2.41	GRD	MG	Fresh granodiorite, cut by rare white quartz-carbonate veins/veinlets. Patches of trace propylitic and potassic alteration.							
						MD	GN		PRO	2I		
						MD	GY		POT	1I		
						LT	PK		SIL	1I		
109.65	113.51	3.86	GRD	MG	Patchy overprinting propylitic, potassic, and silicification.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GN	MO	POT	2I		
						MD	PK		SIL	2I		
						LT	GN	PA	PRO	3I		
113.51	117.64	4.13	GRD	MG	Patchily altered granodiorite, with gouge seams bordered by semi-pervasive clay, phyllic, argillic, propylitic, and potassic alteration.							
						MD	GN		PRO	2I		
						LT	GN	PA	CLY	2I		
						LT	PK	MO	PHC	3I		
									ARG	2I		
									POT	1I		
117.64	138.71	21.07	GRD	MG	Fresher granodiorite, with patches of weak propylitic, potassic, and silicification.							
						MD	GY	PA	PRO	2I		
						MD	GN		POT	1I		
						LT	PK		SIL	2I		
138.71	140.65	1.94	GRD	MG	Pervasive moderate argillic alteration, that has been crumbled and fractured.							
						MD	GY	RB	ARG	3I		
						LT	GY	FR				
140.65	143.31	2.66	GRD	MG	Fractured fresh/weakly propylitic altered granodiorite, with light green clay on many fractures.							
						MD	GN	PA	CLY	1I		
						MD	GY	FR	PRO	2I		
143.31	145.39	2.08	GRD	MG	Zoned halos around veining, with proximal phyllic and distal argillic alteration.							
						MD	GN		ARG	2I		
						LT	GN	PA	PHC	3I	Py	0.1
						LT	WH		SIL	1I		
145.39	151.76	6.37	GRD	MG	Fresher granodiorite, with patches of weak propylitic, potassic, and silicification.							
						MD	GY	PA	PRO	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GN					
151.76	152.94	1.18	GRD	MG	Propylitic granodiorite cut by veining with phyllic halos.							
						MD	GN	ZO	PRO	3I		
						LT	GN		PHC	2I		
152.94	160.53	7.59	GRD	MG	Fresher granodiorite, with patches of weak propylitic, potassic, and silicification.							
						MD	GY	FR	PRO	2I		
						MD	GN					
160.53	167.71	7.18	GRD	MG	Granodiorite with patches of phyllic, potassic, propylitic, and argillic alteration. Cut by narrow gouge seams.							
						MD	GN	MO	PRO	2I		
						LT	GN	PA	PHC	4I		
						LT	PK		POT	2I		
						LT	GY		ARG	2I		
167.71	169.80	2.09	BXA	MG	Wide phyllic-silicified altered granodiorite brecciated by grey chalcedony/quartz and creamy carbonate. Some quartz veining contains trace disseminated pyrite.							
						LT	GN	BX	SIL	3I	Py	0.1
									PHC	4I		
169.80	171.67	1.87	GRD	MG	Overlapping patches of propylitic, potassic, and argillic alteration.							
						MD	GN	MO	PRO	3I		
						LT	PK	PA	POT	2I		
									ARG	2I		
171.67	172.18	0.51	GRD	MG	Phyllic halo around a pair of quartz veins.							
						LT	GN		PHC	3I		
172.18	174.24	2.06	GRD	MG	Granodiorite with patchy propylitic and potassic alteration.							
						MD	GN	PA	PRO	3I		
						LT	PK		POT	2I		
174.24	179.60	5.36	GRD	MG	Wide moderate-strong phyllic halo, overprinted by propylitic alteration hosting disseminated earthy hematite.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	RD	ZO	HEM	1I		
						MD	GN	MO	ARG	2I		
						LT	GN	PA	PHC	4I		
									PRO	3I		
179.60	210.33	30.73	GRD	MG	Fresh granodiorite with patches of trace-weak propylitic and silicification.							
						MD	GY	PA	PRO	1I		
						MD	GN		SIL	1I		
210.33	212.35	2.02	GRD	MG	Zoned proximal propylitic and distal argillic halos on white quartz-carbonate veinlets, overprinted by potassic alteration.							
						MD	GN	PA	ARG	3I		
						LT	PK	ZO	PRO	3I		
						LT	WH	MO	POT	2I		
212.35	224.02	11.67	GRD	MG	Fresh granodiorite cut by rare white quartz-carbonate veining with narrow propylitic halos. Patchy weak propylitic and silicification throughout.							
						MD	GY	PA	SIL	2I		
						MD	GN		PRO	2I		
						LT	PK					
224.02	224.79	0.77	GRD	MG	A phyllic zone with propylitic overprint around 6 veins, with clear-smoky quartz and some white carbonate. These veins host fine earthy hematite and blebby pyrite.							
						MD	GN		PRO	3I	Py	0.1
									PHC	3I	He	0.1
224.79	239.54	14.75	GRD	MG	Fresher granodiorite with patches of weak-trace propylitic and silicification.							
						MD	GY	PA	PRO	2I		
						MD	GN		POT	1I		
									SIL	2I		
239.54	242.69	3.15	GRD	MG	Wider, yet still unconnected, proximal phyllic and distal argillic halos on white carbonate veinlets.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GY	PA	PHC	3I		
						LT	GN	ZO	ARG	2I		
						LT	WH		POT	2I		
						LT	PK					
242.69	249.40	6.71	GRD	MG	Fresh granodiorite cut by few white quartz-carbonate veins hosting blebby pyrite and magnetite.							
						MD	GY	PA	PHC	2I	Py	0.1
						LT	GN	ZO	ARG	2I	He	0.1
249.40	256.43	7.03	GRD	MG	Wide zoned proximal phyllic and distal argillic halos on polymetallic quartz-carbonate veining. These halos have propylitic and potassic overprints, and some argillic alteration is crumbled along fractures.							
						MD	GN	ZO	ARG	3I	Mg	0.1
						MD	GY	PA	PHC	3I	Py	0.1
						LT	GN		PRO	2I	Sp	0.1
						LT	WH					
						LT	PK		POT	2I		
256.43	258.22	1.79	GRD	MG	Fresher granodiorite with some fracturing.							
						MD	GY		ARG	2I		
258.22	261.21	2.99	GRD	MG	Zoned proximal phyllic and distal argillic halos on quartz-carbonate veining, with fresher granodiorite inbetween. Distal argillic alteration is crumbled and fractured.							
						MD	GY	FR	ARG	2I	Py	0.5
						LT	GN		PHC	2I	Mg	0.1
261.21	266.93	5.72	GRD	MG	Fractured granodiorite with weak argillic alteration.							
						MD	GY	FR	ARG	2I		
266.93	271.56	4.63	GRD	MG	Granodiorite cut by several polymetallic quartz-carbonate-tan ankerite veins, each with zones proximal phyllic and distal argillic halos. There is a weak potassic/propylitic overprint on most argillic alteration.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GN	ZO	ARG	2I	Sp	0.1
						MD	GY	PA	PHC	3I	Py	0.1
						LT	GN	MO	PRO	2I		
						LT	PK		POT	2I		
						LT	WH					
271.56	272.52	0.96	GRD	MG	Mostly fresh granodiorite cut by a white calcite vein with crumbled argillic halo.							
						MD	GY					
						LT	GY	FR	ARG	3I		
272.52	274.81	2.29	GRD	MG	Granodiorite cut by several polymetallic quartz-carbonate-tan ankerite veins, each with zones proximal phyllic and distal argillic halos. There is a weak potassic/propylitic overprint on most argillic alteration. Some fracturing and crumbling also occurs within argillic alteration. Locallized semipervasive clay alteration is also found in argillic zones.							
						MD	GN	PA	PHC	2I		
						MD	GY	FR	ARG	3I	Py	0.5
						LT	GN	ZO	PRO	1I		
						LT	PK		CLY	1I		
						LT	WH		POT	1I		
274.81	289.36	14.55	GRD	MG	Fresher granodiorite with wide zoned proximal phyllic and distal argillic halos around quartz-carbonate-pyrite veining. Some veins carry rhodochrosite.							
						MD	GN	ZO	PHC	2I		
						MD	GY	MO	POT	2I		
						LT	GN	PA	PRO	3I	Py	0.1
						LT	PK		ARG	2I		
289.36	291.06	1.70	GRD	MG	Zoned proximal phyllic and distal argillic halos around pair of banded quartz-carbonate-pyrite veins. Weak pervasive propylitic and patchy weak potassic overprints throughout.							
						MD	GN	ZO	PRO	3I	Py	0.1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	PK	MO	ARG	2I		
						LT	GN		POT	2I		
									PHC	2I		
291.06	292.69	1.63	GRD	MG	Wide argillic halo overprinted by propylitic and potassic.							
						MD	GN	MO	PRO	3I		
						MD	PK		POT	2I		
									ARG	3I		
292.69	294.03	1.34	GRD	MG	Phyllic halo around banded quartz-carbonate veining hosting pyrite, honey brown sphalerite, and galena.							
						LT	GN		PHC	3I	Py	0.5
									PRO	2I	Gn	0.1
											Sp	0.1
294.03	294.93	0.90	GRD	MG	Argillic outer halo, overprinted by propylitic and potassic.							
						MD	GN	MO	PRO	3I		
						MD	PK		ARG	3I		
									POT	3I		
294.93	310.08	15.15	GRD	MG	Fresh granodiorite with patchy trace propylitic alteration and narrow propylitic halos on quartz veinlets.							
						MD	GY	PA	PRO	2I		
						MD	GN					
310.08	311.45	1.37	GRD	MG	Zoned proximal phyllic and distal argillic halo around a banded quartz-carbonate vein, with weak propylitic overprint.							
						MD	GN		POT	2I		
						LT	PK	ZO	PHC	3I		
						LT	WH	PA	ARG	3I	Py	0.1
						LT	GN		PRO	2I		
311.45	323.96	12.51	GRD	MG	Fresh granodiorite cut by occasional quartz-carbonate veinlets with zoned proximal phyllic and distal argillic halos. Weak patchy propylitic overprints throughout.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GY	ZO	PHC	2I		
						MD	GN	PA	ARG	2I	Py	0.1
						LT	GN		PRO	2I		
323.96	327.42	3.46	GRD	MG	Overlapping proximal phyllic and distal argillic halos around gouge seams and quartz-carbonate veining. There is weak patchy propylitic overprint.							
						MD	GN	ZO	PHC	3I		
						LT	GN	PA	PRO	2I		
						LT	WH		ARG	2I		
327.42	334.95	7.53	GRD	MG	Fresh granodiorite with patchy propylitic overprint and rare veining with narrow proximal phyllic and distal argillic halos. Veining contains blebby honey brown sphalerite and pyrite.							
						MD	GY	PA	PRO	2I	Py	0.1
						MD	GN		PHC	1I	Sp	0.1
334.95	342.51	7.56	GRD	MG	Wide overlapping moderate-strong proximal phyllic and distal argillic halos around quartz-carbonate veining, most of which hosts pyrite. There is disseminated pyrite in stronger phyllic alteration. Occasional propylitic and potassic overprints are found.							
						MD	GN	RX	SIL	3I		
						MD	GY		ARG	2I		
						LT	GN	PA	PHC	4I	Py	0.1
									PRO	2I		
									POT	2I		
342.51	345.89	3.38	GRD	MG	Fresher granodiorite with patches of propylitic overprint.							
						MD	GN	PA	PRO	2I		
						MD	GY		SIL	2I		
345.89	356.23	10.34	GRD	MG	Wide overlapping moderate-strong proximal phyllic and distal argillic halos around quartz-carbonate veining, most of which hosts pyrite. There is disseminated pyrite in stronger phyllic alteration. Occasional propylitic and potassic overprints are found.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GN	ZO	ARG	2I		
						LT	GN	PA	PHC	4I	Py	0.1
						LT	PK		PRO	2I		
									POT	2I		
356.23	361.21	4.98	GRD	MG	Granodiorite with weak patchy propylitic overprint and cut by carbonate veinlets with narrow propylitic halos.							
						MD	GY	PA	PRO	3I		
						MD	GN					
361.21	364.30	3.09	GRD	MG	Overlapping proximal phyllic and distal argillic halos on calcite-chlorite veining hosting pyrite and magnetite. Weak patchy potassic and propylitic overprints.							
						MD	GN		PHC	3I	Mg	0.1
						LT	GN	PA	ARG	2I	Py	0.1
						LT	PK		PRO	3I		
						LT	WH					
364.30	366.80	2.50	GRD	MG	Fresher granodiorite with patches of weak propylitic.							
						MD	GY	PA	PRO	2I		
						MD	GN					
366.80	372.57	5.77	GRD	MG	Overlapping proximal phyllic and distal argillic halos on quartz-carbonate veining, including smoky quartz. Patchy weak propylitic and potassic variably overprint halos.							
						MD	GN		POT	1I	Gn	0.1
						LT	PK	ZO	PRO	2I	Sp	0.1
						LT	GN	PA	PHC	4I	Py	0.5
									ARG	2I	As	0.1
									SIL	2I		
372.57	372.93	0.36	VEN	MG	BRX hanging wall vein: This vein is dominated by bands of intergrown galena and sphalerite, crosscutting earlier smoky quartz brecciation. Smoky quartz contains clasts of phyllic granodiorite and hosts blebby pyrite and arsenopyrite.							
						LT	GN	BN	PHC	4I	Py	10

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						DK	GY	MA			Sp	6
								BX			Gn	6
											As	4
372.93	373.41	0.48	GRD	MG	Phyllic granodiorite cut by narrow smoky quartz breccias and veins carrying blebby pyrite, honey brown sphalerite, and galena. Brecciation incorporates clasts of quartz feldspar porphyry dyke. There is weak clay alteration along quartz feldspar porphyry dyke contacts.							
						LT	GN	BX	PHC	3I	Py	2
						DK	GY		CLY	2I	Gn	1
									HYD	4I	Sp	1
373.41	374.50	1.09	QFP	FG	Light green-grey quartz feldspar porphyry dyke with strong hydrothermal alteration.							
						LT	GY	RX				
						LT	GN	PO	HYD	4I		
374.50	376.16	1.66	QFP	FG	Light tan-medium maroon quartz feldspar porphyry dyke with strong pervasive hydrothermal alteration. Gouged at contacts with other dyke phase.							
						MD	MR	RX				
						LT	TN	PO				
376.16	378.04	1.88	QFP	FG	Light green-grey quartz feldspar porphyry dyke with strong hydrothermal alteration and pervasive silicification.							
						LT	GY	RX	HEM	4I		
						LT	GN	PO	SIL	3I		
378.04	378.33	0.29	VEN	MG	BRX footwall vein of dark grey quartz hosting banded-blebby pyrite, banded honey brown sphalerite, banded galena, and blebby arsenopyrite. Pyrite can appear wuite granular, with interstitial galena and honey brown sphalerite.							
						MD	BR	BN			Py	15
						DK	GY	MA			Py	15
											Gn	1
											Sp	5
											As	3

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
378.33	379.39	1.06	GRD	MG	Strongly phyllic altered granodiorite with disseminated pyrite. Cut by narrow quartz-pyrite veinlets and stringers, and a coarsely intergrown white quartz and tan ankerite vein hosting blebby pyrite and honey brown sphalerite with blebby galena.							
						LT	GN		PHC	4I	Py	1
379.39	380.04	0.65	VEN	MG	Second BRX footwall vein of massive quartz with massive and intergrown pyrite and chalcopyrite, with trace interstitial arsenopyrite.							
						MD	BR				Cp	10
						LT	WH	MA			Py	40
											As	0.1
380.04	381.39	1.35	GRD	MG	Outer phyllic and argillic altered halo on the BRX footwall vein. There is patchy trace propylitic overprint.							
						MD	GN	ZO	PRO	1I		
						LT	GN	PA	PHC	3I		
						LT	PK		ARG	2I		
						LT	WH		POT	1I		
381.39	383.16	1.77	GRD	MG	Fresher granodiorite with trace propylitic overprint.							
						MD	GY		PRO	1I		
						MD	GN					
383.16	389.26	6.10	GRD	MG	Zoned proximal phyllic and distal argillic halo on a series of quartz-tan ankerite veins, hosting pyrite, honey brown sphalerite, and galena.							
						MD	GN		POT	1I	Sp	0.5
						LT	GN	ZO	PHC	3I	Py	0.5
									PRO	2I	Gn	0.1
389.26	396.53	7.27	GRD	MG	Fresh granodiorite with trace patchy propylitic.							
						MD	GN	PA	PRO	1I		
396.53	397.73	1.20	GRD	MG	Zoned proximal phyllic and distal argillic halo around a vuggy silicified white-cream quartz-carbonate vein.							
						LT	GN	ZO	PHC	3I	Py	0.1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
									ARG	2I		
397.73	401.12	3.39	GRD	MG	Fresh granodiorite with patches of overprinting argillic and potassic alteration.							
						MD	GY	PA	ARG	3I		
						LT	WH	MO	POT	2I		
						LT	PK					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
4.57	29.61	25.04	GRD	MG	Granodiorite with pervasive oxide staining and patch argillic alteration. Recovery is typically fractured, cut by wide gouge seams showing strong-intense oxide staining.							
						MD	GY	PA	OXI	4I		
						MD	BN	FR	ARG	2I		
						DK	BN	RB				
29.61	51.55	21.94	GRD	MG	Granodiorite with less oxide staining and fewer gouge seams. Recovery is mostly competent, with shorter sections of fracturing. Oxide staining is limited to fracture surfaces and gouge seams.							
						MD	GY	FR	OXI	2I		
						MD	BN		ARG	1I		
						LT	BN					
51.55	109.65	58.10	GRD	MG	Fresh granodiorite with weak oxide staining on fractures. Staining dissipates with depth.							
						MD	BN					
						MD	GY	FR	OXI	2I		
109.65	113.51	3.86	GRD	MG	Patchy overprinting propylitic, potassic, and silicification.							
						MD	PK		SIL	2I		
						LT	GN	PA	PRO	3I		
						MD	GN	MO	POT	2I		
113.51	117.64	4.13	GRD	MG	Patchily altered granodiorite, with gouge seams bordered by semi-pervasive clay, phyllic, argillic, propylitic, and potassic alteration.							
						LT	GN	PA	CLY	2I		
						LT	PK	MO	PHC	3I		
						MD	GN		PRO	2I		
									POT	1I		
									ARG	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
117.64	160.53	42.89	GRD	MG	Fresher granodiorite, with patches of weak propylitic, potassic, and silicification.							
						MD	GN		POT	1I		
						LT	PK		SIL	2I		
						MD	GY	PA	PRO	2I		
160.53	169.80	9.27	GRD	MG	Patches of propylitic, phyllic, argillic, and potassic alteration, most of which associated with veining, brecciation, and narrow gouge seams.							
						LT	GN	PA	PHC	4I		
						MD	GN	MO	PRO	2I		
						LT	PK	FR	POT	2I		
						LT	GY	BX	ARG	2I		
									CLY	1I		
169.80	179.60	9.80	GRD	MG	Granodiorite with wide patches of either propylitic/potassic or phyllic/argillic alteration, where vein halos modify granodiorite.							
						MD	GN	PA	PHC	3I		
						LT	GN		PRO	3I		
						LT	PK		POT	2I		
						MD	GY		ARG	2I		
179.60	249.40	69.80	GRD	MG	Fresh granodiorite with patches of trace-weak propylitic and silicification.							
						MD	GN		SIL	1I		
						MD	GY	PA	PRO	1I		
249.40	256.43	7.03	GRD	MG	Wide zoned proximal phyllic and distal argillic halos on polymetallic quartz-carbonate veining. These halos have propylitic and potassic overprints, and some argillic alteration is crumbled along fractures.							
						MD	GY	PA	PHC	3I	Py	0.1
						LT	WH					
						LT	PK		POT	2I		
						LT	GN		PRO	2I	Sp	0.1
						MD	GN	ZO	ARG	3I	Mg	0.1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
256.43	266.93	10.50	GRD	MG	Granodiorite with argillic alteration that is fractured and partially crumbled. Cut by few quartz-carbonate veins with narrow phyllic halos.							
								FR	ARG	3I		
								PA	PHC	2I	Py	0.1
266.93	274.81	7.88	GRD	MG	Granodiorite cut by several polymetallic quartz-carbonate-tan ankerite veins, each with zones proximal phyllic and distal argillic halos. There is a weak potassic/propylitic overprint on most argillic alteration. Some fracturing and crumbling also occurs within argillic alteration. Locallized semipervasive clay alteration is also found in argillic zones.							
						MD	GY	PA	PHC	3I	Py	0.1
						MD	GN	ZO	ARG	2I	Sp	0.1
						LT	GN	MO	PRO	2I		
						LT	WH		CLY	1I		
						LT	PK		POT	2I		
274.81	289.36	14.55	GRD	MG	Fresher granodiorite with wide zoned proximal phyllic and distal argillic halos around quartz-carbonate-pyrite veining. Some veins carry rhodochrosite.							
						LT	GN	PA	PRO	3I	Py	0.1
						MD	GY	MO	POT	2I		
						LT	PK		ARG	2I		
						MD	GN	ZO	PHC	2I		
289.36	294.93	5.57	GRD	MG	Granodiorite with zoned proximal phyllic and distal argillic halos on banded quartz-carbonate veins hosting pyrite, sphalerite, and galena.							
						MD	GY	PA	ARG	2I		
						LT	PK		PHC	3I		
						LT	GN	MO	PRO	3I		
						MD	GN	ZO	POT	2I		
294.93	334.95	40.02	GRD	MG	Fresh granodiorite with trace patchy silicification and propylitic alteration.							
						LT	PK					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GN		POT	1I		
						MD	GY	PA	PRO	1I		
334.95	366.80	31.85	GRD	MG	Wide overlapping moderate-strong proximal phyllic and distal argillic halos around quartz-carbonate veining, most of which hosts pyrite. There is disseminated pyrite in stronger phyllic alteration. Occasional propylitic and potassic overprints are found.							
						LT	GN	PA	PHC	4I	Py	0.1
						MD	GN	RX	SIL	3I		
									PRO	2I		
						MD	GY		ARG	2I		
									POT	2I		
366.80	372.57	5.77	GRD	MG	Overlapping proximal phyllic and distal argillic halos on quartz-carbonate veining, including smoky quartz. Patchy weak propylitic and potassic variably overprint halos.							
						MD	GN		POT	1I	Gn	0.1
									ARG	2I	As	0.1
									SIL	2I		
						LT	PK	ZO	PRO	2I	Sp	0.1
						LT	GN	PA	PHC	4I	Py	0.5
372.57	373.41	0.84	VEN	MG	BRX hanging wall vein zone with a main vein, a short section of mineralized granodiorite, and a mineralized brecciated contact with quartz feldspar porphyry dyke. Weak clay alteration along quartz feldspar porphyry dyke contacts.							
											As	2
						DK	GY	MA	CLY	2I	Sp	3
						LT	TN	BX			Gn	3
						LT	GN	BN	PHC	4I	Py	5
373.41	378.04	4.63	QFP	FG	Light green-grey quartz feldspar porphyry dyke with a second phase of light tan-maroon dyke at its centre. Strong pervasive hydrothermal alteration with silicification in lowermost portion of the dyke.							
						MD	MR					
						LT	TN					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	GY	RX	SIL	2I		
						LT	GN	PO	HYD	4I		
378.04	380.04	2.00	GRD	MG	BRX footwall vein zone with two wide polymetallic veins and strongly phyllic altered granodiorite. Phyllic granodiorite hosts disseminated pyrite in groundmass. The vein closest to the quartz feldspar porphyry dyke contact is similar to the hanging wall veining, hosting pyrite, honey brown sphalerite, galena, and arsenopyrite. The lower vein is dominated by massive pyrite, chalcopyrite, and trace interstitial arsenopyrite.							
								BN			Py	3
											Sp	0.5
											Gn	0.5
											As	0.5
								MA	PHC	4I	Py	10
380.04	381.39	1.35	GRD	MG	Outer phyllic and argillic altered halo on the BRX footwall vein. There is patchy trace propylitic overprint.							
						LT	WH		POT	1I		
						MD	GN	ZO	PRO	1I		
						LT	GN	PA	PHC	3I		
						LT	PK		ARG	2I		
381.39	389.26	7.87	GRD	MG	Patchy zoned proximal phyllic and distal argillic halos on quartz-carbonate veining. Patchy propylitic overprint is found on halos.							
						MD	GY	PA	PHC	3I	Py	0.5
						LT	PK					
						LT	WH		PRO	2I		
						MD	GN	ZO	POT	2I	Sp	0.5
						LT	GN	MO	ARG	2I		
389.26	401.12	11.86	GRD	MG	Fresh granodiorite with patchy trace propylitic overprint.							
						MD	GN					
						MD	GY	PA	PRO	1I		

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
0.00	4.57	4.57	0	0	0.00	0	--	--	--	
4.57	5.18	0.61	0.58	95	0.00	0	--	2H	2W	
5.18	8.23	3.05	2	66	0.22	7	--	2H	2W	
8.23	11.28	3.05	2.54	83	0.57	19	--	3H	2W	
11.28	14.33	3.05	2.78	91	0.77	25	--	3H	1W	
14.33	17.37	3.04	3	99	0.49	16	--	2H	2W	
17.37	20.42	3.05	2.7	89	0.87	29	--	2H	2W	
20.42	23.47	3.05	2.92	96	0.83	27	--	3H	2W	
23.47	26.52	3.05	3.05	100	0.15	5	--	2H	2W	
26.52	29.57	3.05	3.05	100	0.14	5	--	2H	2W	
29.57	32.61	3.04	2.55	84	0.56	18	--	3H	2W	
32.61	35.66	3.05	2.8	92	1.17	38	--	3H	2W	
35.66	38.71	3.05	3.05	100	0.81	27	--	3H	2W	
38.71	41.76	3.05	2.96	97	1.06	35	--	3H	2W	
41.76	44.81	3.05	2.95	97	1.21	40	--	4H	1W	
44.81	47.85	3.04	3	99	2.30	76	--	4H	1W	
47.85	50.90	3.05	2.91	95	1.85	61	--	3H	1W	
50.90	53.95	3.05	3.05	100	2.02	66	--	3H	1W	
53.95	57.00	3.05	2.97	97	1.77	58	--	3H	1W	
57.00	60.05	3.05	3.05	100	2.50	82	--	3H	1W	
60.05	63.10	3.05	2.97	97	2.17	71	--	4H	1W	
63.10	66.14	3.04	2.98	98	1.98	65	--	4H	1W	
66.14	69.19	3.05	3.05	100	2.92	96	--	4H	1W	
69.19	72.24	3.05	2.99	98	2.66	87	--	4H	1W	
72.24	75.29	3.05	2.92	96	2.87	94	--	4H	1W	
75.29	78.33	3.04	2.97	98	1.97	65	--	4H	1W	
78.33	81.38	3.05	2.99	98	2.44	80	--	4H	1W	
81.38	84.43	3.05	3.01	99	2.57	84	--	4H	1W	
84.43	87.48	3.05	2.94	96	2.47	81	--	4H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
87.48	90.53	3.05	2.93	96	1.84	60	--	4H	1W	
90.53	93.57	3.04	2.99	98	2.31	76	--	3H	1W	
93.57	96.62	3.05	2.99	98	2.54	83	--	4H	1W	
96.62	99.67	3.05	3.05	100	2.64	87	--	4H	1W	
99.67	102.72	3.05	2.97	97	0.90	30	--	4H	1W	
102.72	105.77	3.05	2.78	91	1.55	51	--	4H	1W	
105.77	108.81	3.04	3.03	100	1.91	63	--	3H	1W	
108.81	111.86	3.05	2.99	98	1.62	53	--	4H	1W	
111.86	114.91	3.05	2.26	74	0.60	20	--	4H	1W	
114.91	117.96	3.05	2.71	89	1.11	36	--	3H	1W	
117.96	121.01	3.05	3.04	100	1.89	62	--	4H	1W	
121.01	124.05	3.04	2.94	97	1.84	61	--	5H	1W	
124.05	127.10	3.05	3.05	100	2.98	98	--	5H	1W	
127.10	130.15	3.05	3.02	99	1.95	64	--	5H	1W	
130.15	133.20	3.05	2.89	95	2.02	66	--	5H	1W	
133.20	136.25	3.05	3.05	100	1.97	65	--	5H	1W	
136.25	139.29	3.04	2.84	93	1.74	57	--	4H	1W	
139.29	142.34	3.05	2.78	91	0.72	24	--	4H	1W	
142.34	145.39	3.05	2.96	97	1.39	46	--	4H	1W	
145.39	148.44	3.05	2.94	96	2.27	74	--	5H	1W	
148.44	151.49	3.05	3.04	100	1.50	49	--	4H	1W	
151.49	154.53	3.04	3.04	100	1.53	50	--	4H	1W	
154.53	157.58	3.05	3.05	100	1.18	39	--	4H	1W	
157.58	160.63	3.05	2.96	97	1.27	42	--	4H	1W	
160.63	163.68	3.05	2.95	97	2.09	69	--	4H	1W	
163.68	166.73	3.05	3.05	100	2.06	68	--	3H	1W	
166.73	169.77	3.04	2.97	98	1.78	59	--	3H	1W	
169.77	172.82	3.05	3.03	99	2.29	75	--	3H	1W	
172.82	175.87	3.05	3.05	100	1.52	50	--	4H	1W	
175.87	178.92	3.05	3.05	100	2.16	71	--	4H	1W	
178.92	181.97	3.05	2.99	98	2.04	67	--	3H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
181.97	185.01	3.04	3.04	100	2.03	67	--	4H	1W	
185.01	188.06	3.05	3.03	99	2.62	86	--	3H	1W	
188.06	191.11	3.05	3.03	99	2.50	82	--	4H	1W	
191.11	194.16	3.05	3.01	99	2.70	89	--	4H	1W	
194.16	197.21	3.05	3.05	100	2.26	74	--	4H	1W	
197.21	200.25	3.04	3.04	100	2.41	79	--	4H	1W	
200.25	203.30	3.05	2.99	98	1.73	57	--	4H	1W	
203.30	206.35	3.05	3.04	100	2.00	66	--	4H	1W	
206.35	209.40	3.05	3.02	99	2.05	67	--	4H	1W	
209.40	212.45	3.05	3.04	100	2.50	82	--	4H	1W	
212.45	215.49	3.04	3.04	100	2.84	93	--	4H	1W	
215.49	218.54	3.05	3.04	100	2.56	84	--	4H	1W	
218.54	221.59	3.05	3.05	100	2.58	85	--	4H	1W	
221.59	224.64	3.05	3.05	100	2.71	89	--	4H	1W	
224.64	227.69	3.05	3.01	99	2.18	71	--	4H	1W	
227.69	230.73	3.04	2.91	96	2.14	70	--	4H	1W	
230.73	233.78	3.05	3.05	100	2.69	88	--	3H	1W	
233.78	236.83	3.05	2.97	97	2.52	83	--	4H	1W	
236.83	239.88	3.05	2.7	89	1.97	65	--	4H	1W	Start of NQ
239.88	242.93	3.05	3.05	100	2.98	98	--	4H	1W	
242.93	245.97	3.04	3.04	100	2.63	87	--	4H	1W	
245.97	249.02	3.05	3.05	100	2.25	74	--	4H	1W	
249.02	252.07	3.05	3	98	2.38	78	--	3H	1W	
252.07	255.12	3.05	3.04	100	1.92	63	--	3H	1W	
255.12	258.17	3.05	3.05	100	2.49	82	--	4H	1W	
258.17	261.21	3.04	3.02	99	1.49	49	--	3H	1W	
261.21	264.26	3.05	2.93	96	0.75	25	--	4H	1W	
264.26	267.31	3.05	2.91	95	1.01	33	--	4H	1W	
267.31	270.36	3.05	3.05	100	2.00	66	--	4H	1W	
270.36	273.41	3.05	3.05	100	1.80	59	--	3H	1W	
273.41	276.45	3.04	2.95	97	0.77	25	--	3H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
276.45	279.50	3.05	3.05	100	1.69	55	--	3H	1W	
279.50	282.55	3.05	3.05	100	1.81	59	--	3H	1W	
282.55	285.60	3.05	2.93	96	2.06	68	--	4H	1W	
285.60	288.65	3.05	3.04	100	2.17	71	--	4H	1W	
288.65	291.69	3.04	2.89	95	2.64	87	--	4H	1W	
291.69	294.74	3.05	3.05	100	1.96	64	--	3H	1W	
294.74	297.79	3.05	3.05	100	2.47	81	--	4H	1W	
297.79	300.84	3.05	3.02	99	2.65	87	--	4H	1W	
300.84	303.89	3.05	2.95	97	2.33	76	--	4H	1W	
303.89	306.93	3.04	3.03	100	2.04	67	--	4H	1W	
306.93	309.98	3.05	3.04	100	2.74	90	--	4H	1W	
309.98	313.03	3.05	3.05	100	3.05	100	--	4H	1W	
313.03	316.08	3.05	2.85	93	1.57	51	--	3H	1W	
316.08	319.13	3.05	3.05	100	2.48	81	--	3H	1W	
319.13	322.17	3.04	3.04	100	2.51	83	--	4H	1W	
322.17	325.22	3.05	3.04	100	2.70	89	--	4H	1W	
325.22	328.27	3.05	3.01	99	2.11	69	--	3H	1W	
328.27	331.32	3.05	3.05	100	2.26	74	--	4H	1W	
331.32	334.37	3.05	3.05	100	2.32	76	--	4H	1W	
334.37	337.41	3.04	3.02	99	2.32	76	--	3H	1W	
337.41	340.46	3.05	3.03	99	2.13	70	--	4H	1W	
340.46	343.51	3.05	3.05	100	2.71	89	--	3H	1W	
343.51	346.56	3.05	3.01	99	1.45	48	--	4H	1W	
346.56	349.61	3.05	3.01	99	1.94	64	--	3H	1W	
349.61	352.65	3.04	3.04	100	2.47	81	--	3H	1W	
352.65	355.70	3.05	3.03	99	1.99	65	--	3H	1W	
355.70	358.75	3.05	2.99	98	2.79	91	--	4H	1W	
358.75	361.80	3.05	3.05	100	2.79	91	--	4H	1W	
361.80	364.84	3.04	3.04	100	2.97	98	--	4H	1W	
364.84	367.89	3.05	3.05	100	2.96	97	--	4H	1W	
367.89	370.94	3.05	2.95	97	2.43	80	--	3H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
370.94	373.99	3.05	3.05	100	1.93	63	--	3H	1W	
373.99	377.04	3.05	3.02	99	1.93	63	--	3H	1W	
377.04	380.09	3.05	3.05	100	2.44	80	--	3H	1W	
380.09	383.13	3.04	3.04	100	2.25	74	--	4H	1W	
383.13	386.18	3.05	3.02	99	1.33	44	--	3H	1W	
386.18	389.23	3.05	3.05	100	1.64	54	--	3H	1W	
389.23	392.28	3.05	3.05	100	2.66	87	--	4H	1W	
392.28	395.33	3.05	3.05	100	2.97	97	--	4H	1W	
395.33	398.37	3.04	3.04	100	2.93	96	--	4H	1W	
398.37	401.12	2.75	2.75	100	1.93	70	--	3H	1W	

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
0.00	0.00	0.00	-QC-	0.00	0	K289474	☐	15-091			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R611000	☐	15-086			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R610991	☐	15-082			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R610979	☐	15-082		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R610970	☐	15-082			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K289408	☐	15-086		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K289477	☐	15-091		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K289461	☐	15-089		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K289449	☐	15-089			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K289445	☐	15-089			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K289437	☐	15-089		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K289428	☐	15-086			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K289418	☐	15-086		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K289490	☐	15-091			☑	☐	☐
7.30	8.23	0.93	GRD	0.33	35	R610968	☐	15-082			☐	☐	☐
8.23	8.53	0.30	GRD	0.30	100	R610969	☐	15-082			☐	☐	☐
8.53	10.40	1.87	GRD	1.35	72	R610971	☐	15-082			☐	☐	☐
10.40	11.28	0.88	GRD	0.79	90	R610972	☐	15-082			☐	☐	☐
23.51	25.42	1.91	GRD	1.51	79	R610973	☐	15-082			☐	☐	☐
23.51	25.42	1.91	GRD	1.51	79	R610974	☐	15-082			☐	☐	☑
25.42	26.00	0.58	GRD	0.52	90	R610975	☐	15-082			☐	☐	☐
26.00	27.33	1.33	GRD	1.06	80	R610976	☐	15-082			☐	☐	☐
36.00	36.50	0.50	GRD	0.45	90	R610977	☐	15-082			☐	☐	☐
36.50	38.71	2.21	GRD	2.03	92	R610978	☐	15-082			☐	☐	☐
38.71	41.25	2.54	GRD	2.27	89	R610980	☐	15-082			☐	☐	☐
41.25	42.30	1.05	GRD	0.72	69	R610981	☐	15-082			☐	☐	☐
42.30	43.55	1.25	GRD	1.02	82	R610982	☐	15-082			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
76.60	78.40	1.80	GRD	1.74	97	R610983	☐	15-082			☐	☐	☐
78.40	79.36	0.96	GRD	0.96	100	R610984	☐	15-082			☐	☐	☐
78.40	79.36	0.96	GRD	0.96	100	R610985	☐	15-082			☐	☑	☐
79.36	79.81	0.45	GRD	0.45	100	R610986	☐	15-082			☐	☐	☐
91.22	92.54	1.32	GRD	1.20	91	R610987	☐	15-082			☐	☐	☐
105.13	105.64	0.51	GRD	0.51	100	R610988	☐	15-082			☐	☐	☐
142.51	143.56	1.05	GRD	1.04	99	R610989	☐	15-082			☐	☐	☐
143.56	143.86	0.30	GRD	0.27	90	R610990	☐	15-082			☐	☐	☐
143.86	145.39	1.53	GRD	1.38	90	R610992	☐	15-082			☐	☐	☐
160.49	160.96	0.47	GRD	0.47	100	R610993	☐	15-082			☐	☐	☐
160.96	161.47	0.51	GRD	0.26	51	R610994	☐	15-082			☐	☐	☐
161.47	164.37	2.90	GRD	2.90	100	R610995	☐	15-086			☐	☐	☐
161.47	164.37	2.90	GRD	2.90	100	R610996	☐	15-086			☐	☐	☑
164.37	166.30	1.93	GRD	1.64	85	R610997	☐	15-086			☐	☐	☐
166.30	167.72	1.42	GRD	1.42	100	R610998	☐	15-086			☐	☐	☐
167.72	169.35	1.63	GRD	1.45	89	R610999	☐	15-086			☐	☐	☐
169.35	171.62	2.27	GRD	2.17	96	K289401	☐	15-086			☐	☐	☐
171.62	172.18	0.56	GRD	0.55	98	K289402	☐	15-086			☐	☐	☐
172.18	174.24	2.06	GRD	2.06	100	K289403	☐	15-086			☐	☐	☐
224.07	224.79	0.72	GRD	0.72	100	K289404	☐	15-086			☐	☐	☐
250.16	251.69	1.53	GRD	1.25	82	K289405	☐	15-086			☐	☐	☐
251.69	252.07	0.38	GRD	0.37	97	K289406	☐	15-086			☐	☐	☐
252.07	253.19	1.12	GRD	1.12	100	K289407	☐	15-086			☐	☐	☐
253.19	254.63	1.44	GRD	1.28	89	K289409	☐	15-086			☐	☐	☐
254.63	255.12	0.49	GRD	0.49	100	K289410	☐	15-086			☐	☐	☐
255.12	256.43	1.31	GRD	0.80	61	K289411	☐	15-086			☐	☐	☐
256.43	258.22	1.79	GRD, GRD	1.69	94	K289412	☐	15-086			☐	☐	☐
258.22	259.48	1.26	GRD	1.06	84	K289413	☐	15-086			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
259.48	260.82	1.34	GRD	1.34	100	K289414	☐	15-086			☐	☐	☐
260.82	261.12	0.30	GRD	0.28	93	K289415	☐	15-086			☐	☐	☐
261.12	264.12	3.00	GRD	2.41	80	K289416	☐	15-086			☐	☐	☐
264.12	266.07	1.95	GRD	1.95	100	K289417	☐	15-086			☐	☐	☐
266.07	267.66	1.59	GRD	0.59	37	K289419	☐	15-086			☐	☐	☐
267.66	268.02	0.36	GRD	0.32	89	K289420	☐	15-086			☐	☐	☐
268.02	269.29	1.27	GRD	1.27	100	K289421	☐	15-086			☐	☐	☐
268.02	269.29	1.27	GRD	1.27	100	K289422	☐	15-086			☐	☑	☐
269.29	269.65	0.36	GRD	0.35	97	K289423	☐	15-086			☐	☐	☐
269.65	271.56	1.91	GRD	1.91	100	K289424	☐	15-086			☐	☐	☐
271.56	272.90	1.34	GRD	1.25	93	K289425	☐	15-086			☐	☐	☐
272.90	273.65	0.75	GRD	0.75	100	K289426	☐	15-086			☐	☐	☐
273.65	274.03	0.38	GRD	0.36	95	K289427	☐	15-086			☐	☐	☐
274.03	276.66	2.63	GRD	2.23	85	K289429	☐	15-086			☐	☐	☐
276.66	278.95	2.29	GRD	2.29	100	K289430	☐	15-086			☐	☐	☐
278.95	279.75	0.80	GRD	0.79	99	K289431	☐	15-089			☐	☐	☐
279.75	281.36	1.61	GRD	1.61	100	K289432	☐	15-089			☐	☐	☐
281.36	281.72	0.36	GRD	0.34	94	K289433	☐	15-089			☐	☐	☐
281.72	282.66	0.94	GRD	0.91	97	K289434	☐	15-089			☐	☐	☐
281.72	282.66	0.94	GRD	0.91	97	K289435	☐	15-089			☐	☑	☐
282.66	283.94	1.28	GRD	1.21	95	K289436	☐	15-089			☐	☐	☐
283.94	285.92	1.98	GRD	1.96	99	K289438	☐	15-089			☐	☐	☐
285.92	288.10	2.18	GRD	2.09	96	K289439	☐	15-089			☐	☐	☐
288.10	289.92	1.82	GRD	1.81	99	K289440	☐	15-089			☐	☐	☐
289.92	291.00	1.08	GRD	0.95	88	K289441	☐	15-089			☐	☐	☐
291.00	292.85	1.85	GRD	1.81	98	K289442	☐	15-089			☐	☐	☐
292.85	293.59	0.74	GRD	0.70	95	K289443	☐	15-089			☐	☐	☐
293.59	293.90	0.31	GRD	0.31	100	K289444	☐	15-089			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
293.90	294.79	0.89	GRD	0.84	94	K289446	☐	15-089			☐	☐	☐
309.18	310.40	1.22	GRD	1.22	100	K289447	☐	15-089			☐	☐	☐
310.40	310.86	0.46	GRD	0.45	98	K289448	☐	15-089			☐	☐	☐
310.86	311.45	0.59	GRD	0.59	100	K289450	☐	15-089			☐	☐	☐
323.96	326.89	2.93	GRD	2.89	99	K289451	☐	15-089			☐	☐	☐
326.89	327.22	0.33	GRD	0.32	97	K289452	☐	15-089			☐	☐	☐
327.22	329.83	2.61	GRD	2.38	91	K289453	☐	15-089			☐	☐	☐
329.83	331.43	1.60	GRD	1.60	100	K289454	☐	15-089			☐	☐	☐
331.43	333.94	2.51	GRD	2.51	100	K289455	☐	15-089			☐	☐	☐
331.43	333.94	2.51	GRD	2.51	100	K289456	☐	15-089			☐	☐	☑
333.94	336.02	2.08	GRD	2.06	99	K289457	☐	15-089			☐	☐	☐
336.02	337.27	1.25	GRD	1.19	95	K289458	☐	15-089			☐	☐	☐
337.27	338.91	1.64	GRD	1.46	89	K289459	☐	15-089			☐	☐	☐
338.91	340.24	1.33	GRD	1.26	95	K289460	☐	15-089			☐	☐	☐
340.24	341.23	0.99	GRD	0.99	100	K289462	☐	15-089			☐	☐	☐
341.23	343.51	2.28	GRD	2.17	95	K289463	☐	15-089			☐	☐	☐
343.51	346.56	3.05	GRD	2.86	94	K289464	☐	15-089			☐	☐	☐
346.56	347.28	0.72	GRD	0.68	94	K289465	☐	15-089			☐	☐	☐
347.28	348.36	1.08	GRD	1.06	98	K289466	☐	15-089			☐	☐	☐
348.36	349.61	1.25	GRD	1.19	95	K289467	☐	15-091			☐	☐	☐
348.36	349.61	1.25	GRD	1.19	95	K289468	☐	15-091			☐	☑	☐
349.61	352.65	3.04	GRD	3.03	100	K289469	☐	15-091			☐	☐	☐
352.65	354.79	2.14	GRD	2.00	93	K289470	☐	15-091			☐	☐	☐
354.79	355.62	0.83	GRD	0.82	99	K289471	☐	15-091			☐	☐	☐
367.32	368.26	0.94	GRD	0.94	100	K289472	☐	15-091			☐	☐	☐
368.26	368.56	0.30	GRD	0.28	93	K289473	☐	15-091			☐	☐	☐
368.56	370.94	2.38	GRD	2.25	95	K289475	☐	15-091			☐	☐	☐
370.94	372.04	1.10	GRD	1.06	96	K289476	☐	15-091			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
372.04	372.52	0.48	GRD	0.48	100	K289478	☐	15-091			☐	☐	☐
372.52	372.93	0.41	GRD	0.35	85	R499407	☐	15-099	HG		☐	☐	☐
372.93	373.41	0.48	VEN	0.48	100	R499408	☐	15-099	HG		☐	☐	☐
372.93	373.41	0.48	VEN	0.48	100	R499409	☐	15-099	HG		☐	☐	☑
373.41	373.99	0.58	VEN, QFP	0.47	81	K289479	☐	15-091			☐	☐	☐
373.99	376.16	2.17	QFP	1.02	47	K289480	☐	15-091			☐	☐	☐
376.16	377.30	1.14	QFP	1.14	100	K289481	☐	15-091			☐	☐	☐
377.30	378.04	0.74	QFP	0.71	96	K289482	☐	15-091			☐	☐	☐
377.30	378.04	0.74	QFP	0.71	96	K289483	☐	15-091			☐	☐	☑
378.04	378.34	0.30	QFP, GRD	0.29	97	R499410	☐	15-099	HG		☐	☐	☐
378.34	379.00	0.66	GRD	0.66	100	K289484	☐	15-091			☐	☐	☐
379.00	379.39	0.39	GRD	0.39	100	K289485	☐	15-091			☐	☐	☐
379.39	380.04	0.65	GRD	0.61	94	R499411	☐	15-099	HG		☐	☐	☐
380.04	380.62	0.58	GRD, GRD	0.57	98	K289486	☐	15-091			☐	☐	☐
380.62	383.13	2.51	GRD	2.33	93	K289487	☐	15-091			☐	☐	☐
383.13	383.80	0.67	GRD	0.67	100	K289488	☐	15-091			☐	☐	☐
383.80	384.23	0.43	GRD	0.42	98	K289489	☐	15-091			☐	☐	☐
384.23	384.74	0.51	GRD	0.51	100	K289491	☐	15-091			☐	☐	☐
396.72	397.07	0.35	GRD	0.35	100	K289492	☐	15-091			☐	☐	☐

Klaza - Klaza Project

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		382940	6890122	1367.93	256.03

ZONE: Central Klaza

SECTION:

HOLE: KL-15-272

CLAIM:

Contractor: Platinum

Drill: 1

Core Size: HQ

Casing Depth: 2.49m, Out

Drilling Dates: Jul 23 - Jul 26, 2015

Geology Logged By: D. Walsh

SURVEY			
Depth (m)	Azimuth	Dip	Method
12.19	41.6	-51.4	Reflex
256.03	39.7	-49.9	Reflex

TARGET:

SUMMARY			
From (m)	To (m)	Interval (m)	Rock Type
0	2.49	2.49	CAS
2.49	38.78	36.29	GRD
38.78	63.4	24.62	GRD
63.4	88.52	25.12	GRD
88.52	102.78	14.26	GRD
102.78	107.72	4.94	GRD
107.72	124.5	16.78	GRD
124.5	139.49	14.99	GRD
139.49	141.05	1.56	GRD
141.05	148.69	7.64	QFP
148.69	151.18	2.49	GRD
151.18	160.73	9.55	QFP
160.73	164.22	3.49	GRD
164.22	170.82	6.6	QFP
170.82	191.41	20.59	GRD
191.41	200.28	8.87	GRD

SAMPLES	
Numbers:	M675540 to M675694, R499406, R499412 to R499414
Total:	159
Batch:	087, 088, 090, 092, 094, 099
Certificates:	WH15115557, WH15115559, WH15115569, WH15115575, WH15115629, WH15115633, WH15115634

COMMENTS

200.28	220.15	19.87	GRD
220.15	224.95	4.8	GRD
224.95	231.36	6.41	GRD
231.36	239.09	7.73	GRD
239.09	243.23	4.14	GRD
243.23	243.81	0.58	BXA
243.81	245.18	1.37	GRD
245.18	256.03	10.85	GRD

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
2.49	6.96	4.47	GRD	MG	Primarily unaltered granodiorite. Moderate to strong oxidation along fracture surfaces with oxidation intensity decreasing with depth.							
						MD	OR					
						MD	GY		OXI	3I		
						LT	GY		OXI	4I		
6.96	8.17	1.21	GRD	MG	Pervasively oxidized patchy moderate phyllic and argillic alteration.							
						MD	OR	PA	OXI	3I		
						MD	GN		OXI	4I		
									PHC	3I		
									ARG	3I		
8.17	11.00	2.83	GRD	MG	Primarily unaltered granodiorite. Moderate to strong oxidation along fracture surfaces with oxidation intensity decreasing with depth.							
						MD	GY		OXI	3I		
						MD	OR					
						LT	GY		OXI	4I		
11.00	12.34	1.34	GRD	MG	Strong phyllic envelope surrounding a quartz/carbonate/sulphide vein with patchy strong pervasive oxidation. Hosts trace disseminated pyrite.							
						MD	OR					
						MD	GN		OXI	4I		
						LT	GN	EN	PHC	4I	Py	0.1
						LT	GY					
12.34	17.31	4.97	GRD	MG	Primarily unaltered granodiorite. Moderate to strong oxidation along fracture surfaces with oxidation intensity decreasing with depth.							
						MD	OR					
						MD	GY		OXI	3I		
						LT	GY		OXI	4I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
17.31	17.70	0.39	GRD	MG	Strong phyllic envelope surrounding a quartz/carbonate/sulphide vein with patchy strong pervasive oxidation. Hosts trace disseminated pyrite.							
						MD	GN		OXI	4I		
						MD	OR					
						LT	GN	EN	PHC	4I	Py	0.1
						LT	GY					
17.70	21.14	3.44	GRD	MG	Primarily unaltered granodiorite. Moderate to strong oxidation along fracture surfaces with oxidation intensity decreasing with depth.							
						MD	GY		OXI	3I		
						MD	OR					
						LT	GY		OXI	4I		
21.14	22.33	1.19	GRD	MG	Silicified moderate phyllic envelope around polymetallic quartz/sulphide vein.							
						MD	GN	EN	PHC	3I		
						LT	GN		SIL	3I		
22.33	28.52	6.19	GRD	MG	Primarily unaltered granodiorite. Moderate oxidation along fracture surfaces with oxidation intensity decreasing with depth.							
						MD	OR					
						MD	GY		OXI	3I		
						LT	GY					
28.52	28.94	0.42	GRD	MG	Moderate phyllic envelope surrounding two quartz/carbonate/sulphide veins. Moderate oxidation along fracture surfaces.							
						MD	GN	EN	PHC	3I		
						LT	GN		OXI	3I		
28.94	31.11	2.17	GRD	MG	Primarily unaltered granodiorite. Moderate oxidation along fracture surfaces with oxidation intensity decreasing with depth.							
						MD	GY		OXI	3I		
						MD	OR					
						LT	GY					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
31.11	31.82	0.71	GRD	MG	Silicified moderate phyllic envelope surrounding two quartz/carbonate/sulphide veins. Moderate oxidation along fracture surfaces.							
						MD	GN	EN	SIL	3I		
						LT	GN		PHC	3I		
31.82	32.45	0.63	GRD	MG	Weakly propyllitic altered granodiorite.							
						MD	GY		PRO	3I		
						DK	GY					
32.45	38.78	6.33	GRD	MG	Primarily unaltered granodiorite. Moderate to strong oxidation along fracture surfaces with oxidation intensity decreasing with depth.							
						MD	OR					
						MD	GY		OXI	3I		
						LT	GY					
38.78	53.36	14.58	GRD	MG	Primarily unaltered granodiorite.							
						MD	GY					
						LT	GY					
53.36	54.64	1.28	GRD	MG	Moderate phyllic envelope around a quartz/carbonate/sulphide vein breccia.							
								EN				
54.64	55.24	0.60	GRD	MG	Weakly propyllitic altered granodiorite.							
						MD	GY		PRO	2I		
						DK	GN					
55.24	57.08	1.84	GRD	MG	Moderate phyllic altered granodiorite hosting multiple quartz/carbonate veinlets.							
						MD	GN					
						LT	GN		PHC	3I		
57.08	63.40	6.32	GRD	MG	Primarily unaltered granodiorite.							
						MD	GY					
63.40	65.69	2.29	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite.							
						MD	GY		PRO	1I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	PK		POT	1I		
						DK	GN		PRO	2I		
									POT	2I		
65.69	66.72	1.03	GRD	MG	Moderate phyllic altered granodiorite.							
						LT	GN		PHC	3I		
66.72	71.97	5.25	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite. Small to moderate sized phyllic envelopes surrounding quartz/carbonate+/- sulphide veins.							
						MD	GY		PRO	1I		
						MD	PK		POT	1I		
						DK	GN		PRO	2I		
									POT	2I		
71.97	75.07	3.10	GRD	MG	Moderate phyllic altered granodiorite with patchy weak propyllitic alteration. Patchy trace to weak propyllitic altered granodiorite. Patches occur distally from quartz/carbonate veining.							
						MD	GN		PRO	2I		
						LT	GN		PHC	3I		
						DK	GN		PRO	1I		
75.07	77.27	2.20	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite.							
						MD	GY		PRO	1I		
						MD	PK		POT	1I		
						DK	GN		PRO	2I		
									PHC	3I		
									POT	2I		
82.58	88.52	5.94	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite. Small to moderate sized phyllic envelopes surrounding quartz/carbonate+/- sulphide veins.							
						MD	PK		POT	1I		
						MD	GY		PRO	1I		
						DK	GN		PRO	2I		
									POT	2I		
									PHC	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
88.52	102.78	14.26	GRD	MG	Silicified moderate phyllic altered granodiorite with patchy weak propyllitic alteration. Hosts multiple quartz/carbonate+/-sulphide veins. Distal patches of granodiorite from vein are weak propyllitic altered. Hosts a polymetallic quartz vein at the end of the interval.							
						MD	GN		SIL	3I		
						MD	GY					
						LT	GN	PA	PHC	3I		
						DK	GN		PRO	2I		
102.78	107.72	4.94	GRD	MG	Moderately propyllitic altered granodiorite.							
						MD	GY		PRO	3I		
						DK	GN					
107.72	124.50	16.78	GRD	MG	Silicified moderately phyllic altered granodiorite with patchy weak propyllitic altered granodiorite. Hosts sporadic quartz/carbonate+/-sulphide veining.							
						MD	GN		PRO	2I		
						LT	GN		PHC	3I		
						LT	GY		SIL	3I		
						DK	GN					
124.50	131.00	6.50	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite with patches of less competent potassic/propyllitic overprinted moderate argillic alteration.							
						MD	GY	PA	ARG	3I		
						MD	PK		PRO	1I		
						LT	WH		POT	1I		
						DK	GN		PRO	2I		
									POT	2I		
131.00	133.71	2.71	GRD	MG	Weak to moderate argillic/potassic/propyllitic altered granodiorite with a small phyllic envelope around quartz/carbonate vein and mineralized gouge zone.							
						MD	PK		PRO	2I		
						LT	WH		ARG	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	GN		PRO	3I		
						DK	GN		ARG	3I		
									POT	3I		
									POT	3I		
133.71	136.71	3.00	GRD	MG	Weak propyllitic/potassic altered granodiorite with patches of less competent potassic/propyllitic overprinted moderate argillic alteration.							
						MD	GY		ARG	3I		
						MD	PK		POT	2I		
						LT	WH					
						DK	GN		PRO	2I		
136.71	137.95	1.24	GRD	MG	Proximal gouge altered moderate phyllic altered granodiorite around a quartz/carbonate/sulphide vein transitions to weak potassic/moderate argillic alteration distally from vein.							
						MD	GN					
						MD	PK					
						LT	GN	EN				
						LT	WH					
137.95	139.49	1.54	GRD	MG	Weak propyllitic/potassic altered granodiorite.							
						MD	GY		PRO	2I		
						DK	GN		POT	2I		
139.49	141.05	1.56	GRD	MG	Moderate phyllic altered granodiorite hosting trace disseminated pyrite and multiple polymetallic quartz/carbonate/sulphide veins and breccias. Interval is partially weakly gouge altered.							
						MD	GN					
						LT	GN		PHC	3I	Py	0.1
						LT	GY					
141.05	148.69	7.64	QFP	FG	Light to medium grey/green quartz feldspar porphyry dyke.							
						MD	GY					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GY					
						LT	GY	PO				
						LT	GN					
148.69	151.18	2.49	GRD	MG	Silicified moderate phyllic/weak propyllitic altered granodiorite.							
						MD	GY		PHC	3I		
						MD	GN		SIL	3I		
						LT	GN		PRO	2I		
						DK	GN					
151.18	160.73	9.55	QFP	FG	Light to medium grey/green quartz feldspar porphyry dyke. Sporadic minor gouge zones throughout the dyke.							
						MD	GY					
						MD	GN					
						LT	GY					
						LT	GN					
160.73	162.47	1.74	GRD	MG	Moderate phyllic altered granodiorite hosting multiple quartz/carbonate/sulphide veinlets transitions to moderate propyllitic/potassic altered granodiorite.							
						LT	GN		PHC	3I		
162.47	164.22	1.75	GRD	MG	Moderate propyllitic/potassic altered granodiorite.							
						MD	PK		POT	3I		
						MD	GY					
						DK	GN		PRO	3I		
164.22	170.82	6.60	QFP	FG	Light grey/green quartz feldspar porphyry dyke.							
						LT	GN					
						LT	GY					
170.82	175.39	4.57	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite. Multiple moderate phyllic envelopes surrounding quartz/carbonate+/-sulphide veining.							
						MD	GY		PRO	1I		
						MD	PK		POT	1I		
						DK	GN		PRO	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
									POT	2I		
175.39	176.57	1.18	GRD	MG	Moderate phyllic envelope surrounding a black breccia.							
						MD	GN	EN	PHC	3I		
						LT	GN					
176.57	180.41	3.84	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite.							
						MD	GY		PRO	2I		
						MD	PK					
						DK	GN		POT	2I		
181.57	182.64	1.07	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite.							
						MD	GY					
						MD	PK					
						DK	GN					
182.64	183.75	1.11	GRD	MG	Moderate phyllic envelope surrounding a black breccia and two polymetallic quartz/sulphide vein.							
						MD	GN	EN	PHC	3I		
						LT	GN					
185.42	188.54	3.12	GRD	MG	Moderate phyllic altered granodiorite with patchy weak propyllitic alteration. Host multiple quartz/sulphide veinlets.							
						MD	GN		PRO	2I		
						LT	GN		PHC	3I		
						DK	GN					
188.54	191.41	2.87	GRD	MG	Silicified weak phyllic/propyllitic altered granodiorite.							
						MD	GY		SIL	3I		
						LT	GN		PHC	2I		
						DK	GN		PRO	2I		
191.41	200.28	8.87	GRD	MG	Silicified moderately phyllic altered granodiorite hosting trace disseminated pyrite. Has patchy weak potassic/propyllitic alteration and moderate potassic/propyllitic/argillic alteration. Hosts a large polymetallic quartz along with with a few minor quartz/carbonate veins.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	PK		PRO	2I		
						MD	GN		SIL	3I		
						LT	GN	PA	PHC	3I	Py	1
						LT	WH		POT	2I		
						DK	GN		POT	2I		
									PRO	3I		
									ARG	3I		
200.28	201.33	1.05	GRD	MG	Weak to moderate potassic/propyllitic altered granodiorite.							
						MD	GY		PRO	2I		
						MD	PK		POT	2I		
						DK	GN		PRO	3I		
									POT	3I		
201.33	203.16	1.83	GRD	MG	Weak to moderate phyllic alteration surrounding multiple rhodochrosite veins with distal weak potassic/propyllitic/argillic alteration separating some of the envelopes.							
						MD	GN		PHC	2I		
						MD	PK		ARG	2I		
						LT	GN	EN	PRO	2I		
						LT	WH		POT	2I		
						DK	GN		PHC	3I		
203.16	205.04	1.88	GRD	MG	Weak to moderate potassic/propyllitic altered granodiorite.							
						MD	GY		PRO	2I		
						MD	PK		POT	3I		
						DK	GN		PRO	3I		
									POT	2I		
205.04	209.25	4.21	GRD	MG	Silicified weak to moderate phyllic alteration surrounding multiple quartz/carbonate veins with distal silicified weak potassic/propyllitic/argillic alteration separating some of the envelopes.							
						MD	GN		PHC	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	PK		ARG	2I		
						LT	GN		PRO	2I		
						LT	WH		POT	2I		
						DK	GN		PHC	3I		
									SIL	3I		
209.25	215.08	5.83	GRD	MG	Silicified weak to moderate potassic/propyllitic altered granodiorite.							
						MD	GY		PRO	2I		
						MD	PK		POT	2I		
						DK	GN		PRO	3I		
									POT	3I		
									SIL	3I		
215.08	216.35	1.27	GRD	MG	Silicified moderate phyllic envelope surrounding a quartz/carbonate/sulphide vein							
						MD	GN		PHC	3I		
						LT	GN	EN	SIL	3I		
216.35	220.15	3.80	GRD	MG	Silicified weak to moderate potassic/propyllitic altered granodiorite with patchy weak to moderate potassic/propyllitic/argillic alteration.							
						MD	GY	PA	SIL	3I		
						MD	PK		PRO	3I		
						LT	WH		POT	2I		
						DK	GN		PRO	2I		
									POT	3I		
220.15	222.00	1.85	GRD	MG	Silicified moderate phyllic envelope surrounding a medium sized polymetallic quartz/carbonate/sulphide vein.							
						MD	GN		PHC	3I		
						LT	GN	EN	SIL	3I		
222.00	223.55	1.55	GRD	MG	Weak potassic/propyllitic altered granodiorite with patchy argillic alteration.							
						MD	GY		POT	2I		
						LT	WH		ARG	2I		
						DK	GN	PA	PRO	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
223.55	224.95	1.40	GRD	MG	Silicified moderate phyllic envelope surrounding a medium sized polymetallic quartz/carbonate/sulphide vein.							
						MD	GN		PHC	3I		
						LT	GN	EN	SIL	3I		
224.95	231.36	6.41	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite. With minor phyllic envelopes around the occasional carbonate veinlet.							
						MD	GY		PRO	1I		
						MD	PK		POT	1I		
						DK	GN		PRO	2I		
									POT	2I		
231.36	239.09	7.73	GRD	MG	Weak to moderate phyllic altered granodiorite hosting multiple carbonate veinlets. Has patchy potassic/propyllitic/argillic alteration and patchy moderate propyllitic alteration.							
						MD	GN		PHC	2I		
						MD	PK		POT	2I		
						LT	GN	PA	PHC	3I		
						LT	WH		PRO	2I		
						DK	GN		ARG	2I		
									PRO	3I		
239.09	243.23	4.14	GRD	MG	Moderate to strongly phyllic altered granodiorite hosting disseminated pyrite.							
						MD	GN		PHC	4I		
						LT	GN		PHC	3I	Py	0.1
243.23	243.81	0.58	BXA	--	Intensely silicified grey to smoky quartz breccia hosting disseminated to blebby pyrite, galena, honey brown sphalerite and disseminated arsenopyrite. Granodiorite clast are strongly phyllic altered and intensely silicified. White carbonate veinlets brecciate quartz breccia.							
						MD	GY	BX	PHC	4I	Py	10
						DK	GY		SIL	5I	Sp	1
											Gn	1
											As	1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
243.81	245.18	1.37	GRD	MG	Moderately phyllic altered granodiorite. Partially gouge altered and silicified, proximal to contact with breccia.							
						MD	GN		SIL	3I		
						LT	GN		PHC	3I		
245.18	254.48	9.30	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite. With minor phyllic envelopes around the occasional carbonate veinlet.							
						MD	GY		PRO	1I		
						MD	PK		POT	1I		
						DK	GN		PRO	2I		
									POT	2I		
254.48	256.03	1.55	GRD	MG	Weak to moderate potassic/argillic alteration with a trace to weak phyllic overprint surrounding a carbonate vein.							
						MD	PK		POT	3I		
						LT	WH		ARG	3I		
						LT	GN		PHC	1I		
									PHC	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
2.49	38.78	36.29	GRD	MG	Primarily unaltered granodiorite with small to medium sized moderate phyllic envelopes surrounding quartz/carbonate+/-sulphide veins. Moderate to strong oxidation along fracture surfaces with oxidation intensity decreasing with depth.							
						MD	OR					
						MD	GY		OXI	3I		
						LT	GY		OXI	4I		
38.78	63.40	24.62	GRD	MG	Primarily unaltered granodiorite with moderate phyllic envelopes surrounding quartz/carbonate/sulphide veins.							
						LT	GY					
						MD	GY					
63.40	88.52	25.12	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite. Small to moderate sized phyllic envelopes surrounding quartz/carbonate+/-sulphide veins.							
						MD	GY		PRO	1I		
						DK	GN		PRO	2I		
						MD	PK		POT	1I		
									POT	2I		
88.52	102.78	14.26	GRD	MG	Silicified moderate phyllic altered granodiorite with patchy weak propyllitic alteration. Hosts multiple quartz/carbonate+/-sulphide veins. Distal patches of granodiorite from vein are weak propyllitic altered. Hosts a polymetallic quartz vein at the end of the interval.							
						MD	GY					
						DK	GN		PRO	2I		
						MD	GN		SIL	3I		
						LT	GN	PA	PHC	3I		
102.78	107.72	4.94	GRD	MG	Moderately propyllitic altered granodiorite.							
						DK	GN					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GY		PRO	3I		
107.72	124.50	16.78	GRD	MG	Silicified moderately phyllic altered granodiorite with patchy weak propyllitic altered granodiorite. Hosts sporadic quartz/carbonate+/-sulphide veining.							
						LT	GY		SIL	3I		
						MD	GN		PRO	2I		
						DK	GN					
						LT	GN		PHC	3I		
124.50	139.49	14.99	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite with patches of less competent potassic/propyllitic overprinted moderate argillic alteration.							
						DK	GN		PRO	1I		
									POT	2I		
						MD	GY		PRO	2I		
						MD	PK		POT	1I		
						LT	WH	PA	ARG	3I		
139.49	141.05	1.56	GRD	MG	Moderate phyllic altered granodiorite hosting trace disseminated pyrite and multiple polymetallic quartz/carbonate/sulphide veins and breccias. Interval is partially weakly gouge altered.							
						LT	GY					
						MD	GN					
						LT	GN		PHC	3I	Py	0.1
141.05	148.69	7.64	QFP	FG	Light to medium grey/green quartz feldspar porphyry dyke.							
						MD	GY					
						LT	GY	PO				
						MD	GY					
						LT	GN					
148.69	151.18	2.49	GRD	MG	Silicified moderate phyllic/weak propyllitic altered granodiorite.							
						DK	GN					
						MD	GN		SIL	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GY		PHC	3I		
						LT	GN		PRO	2I		
151.18	160.73	9.55	QFP	FG	Light to medium grey/green quartz feldspar porphyry dyke. Sporadic minor gouge zones throughout the dyke.							
						LT	GN					
						MD	GN					
						LT	GY					
						MD	GY					
160.73	164.22	3.49	GRD	MG	Moderate phyllic altered granodiorite hosting multiple quartz/carbonate/sulphide veinlets transitions to moderate propyllitic/potassic altered granodiorite. Lower contact with dyke is brecciated.							
						MD	PK		POT	3I		
						MD	GY					
						DK	GN		PRO	3I		
						LT	GN		PHC	3I		
164.22	170.82	6.60	QFP	FG	Light grey/green quartz feldspar porphyry dyke.							
						LT	GY					
						LT	GN					
170.82	191.41	20.59	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite. Multiple moderate phyllic envelopes surrounding quartz/carbonate+/- sulphide veining.							
						MD	PK		POT	1I		
						MD	GY		PRO	1I		
									POT	2I		
						DK	GN		PRO	2I		
191.41	200.28	8.87	GRD	MG	Silicified moderately phyllic altered granodiorite hosting trace disseminated pyrite. Has patchy weak potassic/propyllitic alteration and moderate potassic/propyllitic/argillic alteration. Hosts a large polymetallic quartz along with with a few minor quartz/carbonate veins.							
									ARG	3I		
						LT	GN	PA	PHC	3I	Py	1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GN		SIL	3I		
						DK	GN		POT	2I		
						LT	WH		POT	2I		
									PRO	3I		
						MD	PK		PRO	2I		
200.28	220.15	19.87	GRD	MG	Weak to moderate potassic/propyllitic altered granodiorite with phyllic envelopes around quartz/carbonate veins.							
						MD	GY		PRO	2I		
						DK	GN		PRO	3I		
						MD	PK		POT	2I		
						LT	GN		POT	3I		
									PHC	3I		
220.15	224.95	4.80	GRD	MG	Two separate silicified moderate phyllic envelopes surrounding medium sized polymetallic quartz/carbonate/sulphide vein. Envelopes are separated by weak potassic/propyllitic alteration with patchy argillic alteration.							
						MD	GY		POT	2I		
						LT	GN	EN	SIL	3I		
						LT	WH		ARG	2I		
						DK	GN		PRO	2I		
						MD	GN		PHC	3I		
224.95	231.36	6.41	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite. With minor phyllic envelopes around the occasional carbonate veinlet.							
						MD	GY		PRO	1I		
						DK	GN		PRO	2I		
						MD	PK		POT	1I		
									POT	2I		
231.36	239.09	7.73	GRD	MG	Weak to moderate phyllic altered granodiorite hosting multiple carbonate veinlets. Has patchy potassic/propyllitic/argillic alteration and patchy moderate propyllitic alteration.							
						LT	GN	PA	PHC	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
									PRO	3I		
						MD	PK		POT	2I		
						LT	WH		PRO	2I		
						MD	GN		PHC	2I		
						DK	GN		ARG	2I		
239.09	243.23	4.14	GRD	MG	Moderate to strongly phyllic altered granodiorite hosting disseminated pyrite.							
						LT	GN		PHC	3I	Py	0.1
						MD	GN		PHC	4I		
243.23	243.81	0.58	BXA	--	Intensely silicified grey to smoky quartz breccia hosting disseminated to blebby pyrite, galena, honey brown sphalerite and disseminated arsenopyrite. Granodiorite clast are strongly phyllic altered and intensely silicified. White carbonate veinlets brecciate quartz breccia.							
											As	1
						MD	GY	BX	PHC	4I	Py	10
											Gn	1
						DK	GY		SIL	5I	Sp	1
243.81	245.18	1.37	GRD	MG	Moderately phyllic altered granodiorite. Partially gouge altered and silicified, proximal to contact with breccia.							
						LT	GN		PHC	3I		
						MD	GN		SIL	3I		
245.18	256.03	10.85	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite. With minor phyllic envelopes around the occasional carbonate veinlet.							
						MD	GY		PRO	1I		
						DK	GN		PRO	2I		
						MD	PK		POT	1I		
									POT	2I		

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
0.00	1.53	1.53	0	0	0.00	0	--	--	--	
1.53	5.48	3.95	2.82	71	1.13	29	--	3H	2W	
5.48	8.53	3.05	2.87	94	1.52	50	--	4H	2W	
8.53	11.58	3.05	2.93	96	1.53	50	--	4H	2W	
11.58	14.63	3.05	3.05	100	2.69	88	--	4H	2W	
14.63	17.68	3.05	2.86	94	1.79	59	--	4H	2W	
17.68	20.73	3.05	3.03	99	2.29	75	--	4H	2W	
20.73	23.77	3.04	3.03	100	2.00	66	--	4H	2W	
23.77	26.82	3.05	2.96	97	2.33	76	--	4H	2W	
26.82	29.87	3.05	3.05	100	2.08	68	--	4H	2W	
29.87	32.92	3.05	3	98	2.46	81	--	3H	1W	
32.92	35.97	3.05	3.05	100	2.66	87	--	4H	2W	
35.97	39.01	3.04	3	99	1.87	62	--	4H	1W	
39.01	42.06	3.05	3.05	100	1.99	65	--	4H	1W	
42.06	45.11	3.05	3.02	99	1.61	53	--	4H	1W	
45.11	48.16	3.05	2.99	98	1.58	52	--	4H	1W	
48.16	51.21	3.05	3.03	99	2.70	89	--	4H	1W	
51.21	54.25	3.04	3.04	100	2.33	77	--	4H	1W	
54.25	57.30	3.05	3.03	99	2.64	87	--	3H	1W	
57.30	60.35	3.05	3.05	100	2.49	82	--	4H	1W	
60.35	63.40	3.05	3.01	99	2.78	91	--	3H	1W	
63.40	66.45	3.05	3.05	100	2.68	88	--	3H	1W	
66.45	69.49	3.04	3.04	100	2.86	94	--	3H	1W	
69.49	72.54	3.05	3.05	100	3.05	100	--	3H	1W	
72.54	75.59	3.05	3.05	100	2.92	96	--	3H	1W	
75.59	78.64	3.05	3.03	99	3.03	99	--	3H	1W	
78.64	81.69	3.05	3.05	100	2.88	94	--	3H	1W	
81.69	84.73	3.04	3.04	100	2.58	85	--	3H	1W	
84.73	87.78	3.05	2.93	96	2.73	90	--	3H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
87.78	90.83	3.05	2.95	97	2.15	70	--	3H	1W	
90.83	93.88	3.05	3.05	100	2.38	78	--	3H	1W	
93.88	96.93	3.05	3.05	100	2.98	98	--	3H	1W	
96.93	99.97	3.04	3.04	100	2.51	83	--	3H	1W	
99.97	103.02	3.05	3	98	2.49	82	--	3H	1W	
103.02	106.07	3.05	3.05	100	2.51	82	--	3H	1W	
106.07	109.12	3.05	3.05	100	2.90	95	--	3H	1W	
109.12	112.17	3.05	3.05	100	2.86	94	--	4H	1W	
112.17	115.22	3.05	3.05	100	2.67	88	--	4H	1W	
115.22	118.26	3.04	3.04	100	2.85	94	--	4H	1W	
118.26	121.31	3.05	3.05	100	1.42	47	--	4H	1W	
121.31	124.36	3.05	3.05	100	1.68	55	--	3H	1W	
124.36	127.41	3.05	3.05	100	1.83	60	--	3H	1W	
127.41	130.45	3.04	3.04	100	2.15	71	--	3H	1W	
130.45	133.50	3.05	3.05	100	1.80	59	--	3H	1W	
133.50	136.55	3.05	3.05	100	2.31	76	--	4H	1W	
136.55	139.60	3.05	2.8	92	1.32	43	--	3H	1W	
139.60	142.65	3.05	3	98	2.21	72	--	3H	1W	
142.65	145.69	3.04	3.04	100	2.43	80	--	3H	1W	
145.69	148.74	3.05	3.04	100	2.35	77	--	3H	1W	
148.74	151.79	3.05	3.05	100	2.24	73	--	3H	1W	
151.79	154.84	3.05	3.05	100	2.28	75	--	3H	1W	
154.84	157.89	3.05	3	98	1.37	45	--	3H	1W	
157.89	160.93	3.04	3.04	100	2.30	76	--	3H	1W	
160.93	163.98	3.05	3.04	100	2.67	88	--	4H	1W	
163.98	167.03	3.05	3.05	100	2.68	88	--	3H	1W	
167.03	170.08	3.05	3.05	100	2.39	78	--	3H	1W	
170.08	173.13	3.05	3.05	100	1.80	59	--	3H	1W	
173.13	176.17	3.04	2.87	94	2.85	94	--	3H	1W	
176.17	179.22	3.05	2.89	95	2.89	95	--	4H	1W	
179.22	182.27	3.05	3.03	99	2.46	81	--	4H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
182.27	185.32	3.05	3.05	100	2.44	80	--	4H	1W	
185.32	188.37	3.05	3.05	100	2.61	86	--	4H	1W	
188.37	191.41	3.04	3.04	100	3.04	100	--	4H	1W	
191.41	194.46	3.05	3.05	100	2.62	86	--	4H	1W	
194.46	197.51	3.05	3.05	100	2.86	94	--	3H	1W	
197.51	200.56	3.05	3.03	99	2.94	96	--	4H	1W	
200.56	203.61	3.05	3.05	100	2.34	77	--	3H	1W	
203.61	206.65	3.04	3.04	100	2.55	84	--	3H	1W	
206.65	209.70	3.05	3.05	100	2.82	92	--	3H	1W	
209.70	212.75	3.05	3.05	100	2.87	94	--	4H	1W	
212.75	215.80	3.05	3.02	99	2.86	94	--	4H	1W	
215.80	218.85	3.05	3.03	99	2.37	78	--	3H	1W	
218.85	221.89	3.04	3.04	100	2.99	98	--	4H	1W	
221.89	224.94	3.05	3.05	100	2.77	91	--	4H	1W	
224.94	227.99	3.05	3.03	99	2.96	97	--	3H	1W	
227.99	231.04	3.05	3.05	100	2.97	97	--	4H	1W	
231.04	234.09	3.05	3.04	100	3.04	100	--	3H	1W	
234.09	237.13	3.04	3.04	100	3.04	100	--	3H	1W	
237.13	240.18	3.05	3.04	100	1.80	59	--	3H	1W	
240.18	243.23	3.05	3.05	100	2.16	71	--	3H	1W	
243.23	246.28	3.05	3.04	100	2.57	84	--	4H	1W	
246.28	249.33	3.05	3.05	100	2.71	89	--	4H	1W	
249.33	252.37	3.04	3.04	100	2.96	97	--	5H	1W	
252.37	255.42	3.05	3.05	100	2.47	81	--	3H	1W	
255.42	256.03	0.61	0.46	75	0.12	20	--	4H	1W	

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
0.00	0.00	0.00	-QC-	0.00	0	M675619	☐	15-090		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M675691	☐	15-094			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M675685	☐	15-094		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M675681	☐	15-094			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M675664	☐	15-092			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M675662	☐	15-092		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M675641	☐	15-092		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M675638	☐	15-092			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M675543	☐	15-087		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M675621	☐	15-090			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M675604	☐	15-090			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M675596	☐	15-088			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M675584	☐	15-088		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M675580	☐	15-088			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M675575	☐	15-088		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M675558	☐	15-087		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M675548	☐	15-087			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M675628	☐	15-090		KL-STD4	☐	☐	☐
7.08	8.18	1.10	GRD	1.10	100	M675540	☐	15-087			☐	☐	☐
8.18	9.30	1.12	GRD	1.12	100	M675541	☐	15-087			☐	☐	☐
9.30	11.18	1.88	GRD	1.88	100	M675542	☐	15-087			☐	☐	☐
11.18	12.06	0.88	GRD	0.88	100	M675544	☐	15-087			☐	☐	☐
12.06	12.56	0.50	GRD	0.50	100	M675545	☐	15-087			☐	☐	☐
20.73	21.46	0.73	GRD	0.73	100	M675546	☐	15-087			☐	☐	☐
21.46	22.26	0.80	GRD	0.80	100	M675547	☐	15-087			☐	☐	☐
22.26	23.77	1.51	GRD	1.51	100	M675549	☐	15-087			☐	☐	☐
23.77	25.32	1.55	GRD	1.41	91	M675550	☐	15-087			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
25.32	25.67	0.35	GRD	0.34	97	M675551	☐	15-087			☐	☐	☐
25.67	27.55	1.88	GRD	1.88	100	M675552	☐	15-087			☐	☐	☐
25.67	27.55	1.88	GRD	1.88	100	M675553	☐	15-087			☐	☑	☐
27.55	28.50	0.95	GRD	0.95	100	M675554	☐	15-087			☐	☐	☐
28.50	28.84	0.34	GRD	0.34	100	M675555	☐	15-087			☐	☐	☐
28.84	31.13	2.29	GRD	2.29	100	M675556	☐	15-087			☐	☐	☐
31.13	31.71	0.58	GRD	0.57	98	M675557	☐	15-087			☐	☐	☐
31.71	32.51	0.80	GRD	0.72	90	M675559	☐	15-087			☐	☐	☐
32.51	33.01	0.50	GRD	0.50	100	M675560	☐	15-087			☐	☐	☐
33.01	33.53	0.52	GRD	0.52	100	M675561	☐	15-087			☐	☐	☐
52.83	53.41	0.58	GRD	0.53	91	M675562	☐	15-087			☐	☐	☐
53.41	54.25	0.84	GRD	0.82	98	M675563	☐	15-088			☐	☐	☐
54.25	54.55	0.30	GRD	0.30	100	M675564	☐	15-088			☐	☐	☐
54.55	55.22	0.67	GRD	0.67	100	M675565	☐	15-088			☐	☐	☐
55.22	56.75	1.53	GRD	1.40	92	M675566	☐	15-088			☐	☐	☐
56.75	57.07	0.32	GRD	0.32	100	M675567	☐	15-088			☐	☐	☐
57.07	57.61	0.54	GRD	0.53	98	M675568	☐	15-088			☐	☐	☐
70.25	70.75	0.50	GRD	0.50	100	M675569	☐	15-088			☐	☐	☐
70.75	71.05	0.30	GRD	0.30	100	M675570	☐	15-088			☐	☐	☐
71.05	72.31	1.26	GRD	1.22	97	M675571	☐	15-088			☐	☐	☐
71.05	72.31	1.26	GRD	1.22	97	M675572	☐	15-088			☐	☑	☐
72.31	72.64	0.33	GRD	0.33	100	M675573	☐	15-088			☐	☐	☐
72.64	73.39	0.75	GRD	0.75	100	M675574	☐	15-088			☐	☐	☐
73.39	74.80	1.41	GRD	1.36	96	M675576	☐	15-088			☐	☐	☐
74.80	75.30	0.50	GRD	0.50	100	M675577	☐	15-088			☐	☐	☐
89.07	89.77	0.70	GRD	0.63	90	M675578	☐	15-088			☐	☐	☐
89.77	90.07	0.30	GRD	0.30	100	M675579	☐	15-088			☐	☐	☐
90.07	92.13	2.06	GRD	2.06	100	M675581	☐	15-088			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
92.13	93.22	1.09	GRD	1.09	100	M675582	☐	15-088			☐	☐	☐
93.22	94.01	0.79	GRD	0.79	100	M675583	☐	15-088			☐	☐	☐
94.01	94.64	0.63	GRD	0.63	100	M675585	☐	15-088			☐	☐	☐
94.64	95.85	1.21	GRD	1.20	99	M675586	☐	15-088			☐	☐	☐
95.85	96.15	0.30	GRD	0.30	100	M675587	☐	15-088			☐	☐	☐
96.15	97.48	1.33	GRD	1.32	99	M675588	☐	15-088			☐	☐	☐
96.15	97.48	1.33	GRD	1.32	99	M675589	☐	15-088			☐	☐	☑
97.48	97.92	0.44	GRD	0.44	100	M675590	☐	15-088			☐	☐	☐
97.92	98.22	0.30	GRD	0.30	100	M675591	☐	15-088			☐	☐	☐
98.22	98.59	0.37	GRD	0.37	100	M675592	☐	15-088			☐	☐	☐
98.59	101.13	2.54	GRD	2.53	100	M675593	☐	15-088			☐	☐	☐
101.13	102.53	1.40	GRD	1.39	99	M675594	☐	15-088			☐	☐	☐
102.53	102.84	0.31	GRD	0.31	100	M675595	☐	15-088			☐	☐	☐
102.84	103.80	0.96	GRD	0.93	97	M675597	☐	15-088			☐	☐	☐
103.80	106.07	2.27	GRD	2.07	91	M675598	☐	15-088			☐	☐	☐
106.07	107.72	1.65	GRD	1.65	100	M675599	☐	15-090			☐	☐	☐
107.72	108.41	0.69	GRD, GRD	0.69	100	M675600	☐	15-090			☐	☐	☐
108.41	108.74	0.33	GRD	0.33	100	M675601	☐	15-090			☐	☐	☐
108.74	109.69	0.95	GRD	0.95	100	M675602	☐	15-090			☐	☐	☐
109.69	110.32	0.63	GRD	0.60	95	M675603	☐	15-090			☐	☐	☐
110.32	112.99	2.67	GRD	2.64	99	M675605	☐	15-090			☐	☐	☐
112.99	115.24	2.25	GRD	2.25	100	M675606	☐	15-090			☐	☐	☐
112.99	115.24	2.25	GRD	2.25	100	M675607	☐	15-090			☐	☑	☐
115.24	116.88	1.64	GRD	1.63	99	M675608	☐	15-090			☐	☐	☐
116.88	117.48	0.60	GRD	0.60	100	M675609	☐	15-090			☐	☐	☐
117.48	119.42	1.94	GRD	1.94	100	M675610	☐	15-090			☐	☐	☐
119.42	121.31	1.89	GRD	1.60	85	M675611	☐	15-090			☐	☐	☐
119.42	121.31	1.89	GRD	1.60	85	M675612	☐	15-090			☐	☐	☑

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
121.31	123.12	1.81	GRD	1.81	100	M675613	☐	15-090			☐	☐	☐
123.12	124.50	1.38	GRD	1.38	100	M675614	☐	15-090			☐	☐	☐
136.55	137.10	0.55	GRD	0.55	100	M675615	☐	15-090			☐	☐	☐
137.10	137.60	0.50	GRD	0.50	100	M675616	☐	15-090			☐	☐	☐
137.60	139.21	1.61	GRD	1.18	73	M675617	☐	15-090			☐	☐	☐
139.21	139.68	0.47	GRD	0.46	98	M675618	☐	15-090			☐	☐	☐
139.68	140.23	0.55	GRD	0.54	98	M675620	☐	15-090			☐	☐	☐
140.23	141.02	0.79	GRD	0.79	100	M675622	☐	15-090			☐	☐	☐
141.02	141.53	0.51	GRD	0.51	100	M675623	☐	15-090			☐	☐	☐
148.68	149.22	0.54	QFP	0.54	100	M675624	☐	15-090			☐	☐	☐
149.22	151.22	2.00	GRD	1.97	99	M675625	☐	15-090			☐	☐	☐
159.94	160.69	0.75	QFP	0.73	97	M675626	☐	15-090			☐	☐	☐
160.69	161.25	0.56	QFP	0.56	100	M675627	☐	15-090			☐	☐	☐
161.25	161.60	0.35	GRD	0.35	100	M675629	☐	15-090			☐	☐	☐
161.60	163.84	2.24	GRD	2.20	98	M675630	☐	15-090			☐	☐	☐
163.84	164.22	0.38	GRD	0.38	100	M675631	☐	15-090			☐	☐	☐
174.45	175.59	1.14	GRD	0.92	81	M675632	☐	15-090			☐	☐	☐
175.59	175.89	0.30	GRD	0.30	100	M675633	☐	15-090			☐	☐	☐
175.89	176.93	1.04	GRD	1.02	98	M675634	☐	15-090			☐	☐	☐
176.93	178.29	1.36	GRD	1.17	86	M675635	☐	15-092			☐	☐	☐
178.29	180.67	2.38	GRD	2.38	100	M675636	☐	15-092			☐	☐	☐
180.67	181.00	0.33	GRD	0.33	100	M675637	☐	15-092			☐	☐	☐
181.00	181.46	0.46	GRD	0.46	100	M675639	☐	15-092			☐	☐	☐
181.46	182.73	1.27	GRD	1.26	99	M675640	☐	15-092			☐	☐	☐
182.73	183.33	0.60	GRD	0.55	92	M675642	☐	15-092			☐	☐	☐
183.33	183.75	0.42	GRD	0.42	100	M675643	☐	15-092			☐	☐	☐
183.75	185.61	1.86	GRD	1.83	98	M675644	☐	15-092			☐	☐	☐
185.61	186.42	0.81	GRD	0.81	100	M675645	☐	15-092			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
186.42	188.09	1.67	GRD	1.67	100	M675646	☐	15-092			☐	☐	☐
188.09	189.88	1.79	GRD	1.79	100	M675647	☐	15-092			☐	☐	☐
188.09	189.88	1.79	GRD	1.79	100	M675648	☐	15-092			☐	☑	☐
189.88	191.79	1.91	GRD	1.91	100	M675649	☐	15-092			☐	☐	☐
191.79	192.14	0.35	GRD	0.35	100	M675650	☐	15-092			☐	☐	☐
192.14	192.44	0.30	GRD	0.30	100	R499406	☐	15-099	HG		☐	☐	☐
192.44	192.88	0.44	GRD	0.44	100	M675651	☐	15-092			☐	☐	☐
192.88	194.88	2.00	GRD	1.96	98	M675652	☐	15-092			☐	☐	☐
194.88	195.50	0.62	GRD	0.62	100	M675653	☐	15-092			☐	☐	☐
195.50	196.70	1.20	GRD	1.20	100	M675654	☐	15-092			☐	☐	☐
196.70	198.48	1.78	GRD	1.78	100	M675655	☐	15-092			☐	☐	☐
196.70	198.48	1.78	GRD	1.78	100	M675656	☐	15-092			☐	☐	☑
198.48	200.17	1.69	GRD	1.58	93	M675657	☐	15-092			☐	☐	☐
200.17	201.39	1.22	GRD	1.22	100	M675658	☐	15-092			☐	☐	☐
201.39	202.72	1.33	GRD	1.33	100	M675659	☐	15-092			☐	☐	☐
202.72	205.06	2.34	GRD	2.32	99	M675660	☐	15-092			☐	☐	☐
205.06	207.56	2.50	GRD	2.40	96	M675661	☐	15-092			☐	☐	☐
207.56	208.60	1.04	GRD	1.04	100	M675663	☐	15-092			☐	☐	☐
208.60	209.48	0.88	GRD	0.88	100	M675665	☐	15-092			☐	☐	☐
209.48	212.52	3.04	GRD	3.04	100	M675666	☐	15-092			☐	☐	☐
212.52	215.06	2.54	GRD	2.52	99	M675667	☐	15-092			☐	☐	☐
215.06	216.24	1.18	GRD	1.16	98	M675668	☐	15-092			☐	☐	☐
216.24	218.50	2.26	GRD	2.22	98	M675669	☐	15-092			☐	☐	☐
218.50	220.46	1.96	GRD	1.96	100	M675670	☐	15-092			☐	☐	☐
220.46	220.76	0.30	GRD	0.30	100	R499412	☐	15-099	HG		☐	☐	☐
220.76	221.89	1.13	GRD	1.13	100	M675671	☐	15-094			☐	☐	☐
221.89	224.06	2.17	GRD	2.07	95	M675672	☐	15-094			☐	☐	☐
224.06	224.36	0.30	GRD	0.30	100	R499413	☐	15-099	HG		☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
224.36	224.83	0.47	GRD	0.47	100	M675673	☐	15-094			☐	☐	☐
224.83	227.51	2.68	GRD	2.63	98	M675674	☐	15-094			☐	☐	☐
224.83	227.51	2.68	GRD	2.63	98	M675675	☐	15-094			☐	☑	☐
227.51	230.11	2.60	GRD	2.59	100	M675676	☐	15-094			☐	☐	☐
230.11	231.31	1.20	GRD	1.18	98	M675677	☐	15-094			☐	☐	☐
231.31	232.50	1.19	GRD	1.19	100	M675678	☐	15-094			☐	☐	☐
232.50	233.90	1.40	GRD	1.35	96	M675679	☐	15-094			☐	☐	☐
233.90	234.43	0.53	GRD	0.53	100	M675680	☐	15-094			☐	☐	☐
234.43	237.21	2.78	GRD	2.78	100	M675682	☐	15-094			☐	☐	☐
237.21	238.28	1.07	GRD	1.07	100	M675683	☐	15-094			☐	☐	☐
238.28	239.08	0.80	GRD	0.79	99	M675684	☐	15-094			☐	☐	☐
239.08	240.18	1.10	GRD	1.03	94	M675686	☐	15-094			☐	☐	☐
240.18	241.40	1.22	GRD	1.16	95	M675687	☐	15-094			☐	☐	☐
241.40	242.64	1.24	GRD	1.22	98	M675688	☐	15-094			☐	☐	☐
242.64	243.23	0.59	GRD	0.59	100	M675689	☐	15-094			☐	☐	☐
243.23	243.86	0.63	BXA, GRD	0.63	100	R499414	☐	15-099	HG		☐	☐	☐
243.86	244.26	0.40	GRD	0.40	100	M675690	☐	15-094			☐	☐	☐
244.26	245.16	0.90	GRD	0.90	100	M675692	☐	15-094			☐	☐	☐
245.16	246.12	0.96	GRD	0.96	100	M675693	☐	15-094			☐	☐	☐
246.12	247.58	1.46	GRD	1.43	98	M675694	☐	15-094			☐	☐	☐

Klaza - Klaza Project

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		382736	6890358	1359.26	212.75

ZONE: Central Klaza

SECTION:

HOLE: KL-15-273

CLAIM:

Contractor: Platinum

Drill: 2

Core Size: HQ

Casing Depth: 3.37m, Out

Drilling Dates: Jul 26 - Jul 28, 2015

Geology Logged By: D. Walsh

SURVEY			
Depth (m)	Azimuth	Dip	Method
14.63	36.4	-47.7	Reflex
212.75	38.6	-47.4	Reflex

TARGET:

SUMMARY			
From (m)	To (m)	Interval (m)	Rock Type
0	3.37	3.37	CAS
3.37	20.73	17.36	GRD
20.73	38.67	17.94	GRD
38.67	45.73	7.06	GRD
45.73	67.11	21.38	GRD
67.11	98.61	31.5	GRD
98.61	107.98	9.37	GRD
107.98	109.12	1.14	QFP
109.12	111.95	2.83	GRD
111.95	136.13	24.18	GRD
136.13	138.96	2.83	GRD
138.96	141.44	2.48	QFP
141.44	146.44	5	GRD
146.44	149.27	2.83	GRD
149.27	152.59	3.32	GRD
152.59	163.74	11.15	QFP

SAMPLES	
Numbers:	M675695 to M675831, R499415 to R499418
Total:	141
Batch:	094, 095, 096, 097, 098, 099, 130
Certificates:	WH15115629, WH15115630, WH15115631, WH15115633, WH15115634, WH15117165, WH15117166, WH15123453, WH15141003

COMMENTS

163.74	165.13	1.39	BXA
165.13	171.19	6.06	QFP
171.19	171.95	0.76	BXA
171.95	175.6	3.65	GRD
175.6	181.79	6.19	GRD
181.79	184	2.21	QFP
184	192.37	8.37	GRD
192.37	212.75	20.38	GRD

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
3.37	3.71	0.34	GRD	MG	Primarily unaltered granodiorite. Moderate to strong oxidation along fracture surfaces.							
						MD	OR					
						MD	GY		OXI	3I		
3.71	5.26	1.55	GRD	MG	Pervasively strongly oxidize moderate phyllic envelope surrounding a quartz/carbonate vein zone. Phyllic alteration transitions to distal weak potassic/moderate argillic alteration away from veining.							
						MD	OR	EN	OXI	3I		
						MD	GN		PHC	3I		
						LT	GN		OXI	4I		
						LT	WH		ARG	3I		
									POT	2I		
5.26	7.90	2.64	GRD	MG	Primarily unaltered granodiorite.Moderate to strong oxidation along fracture surfaces. Has patchy moderate argillic alteration.							
						MD	GY	PA	ARG	3I		
						MD	OR		OXI	3I		
						LT	WH					
7.90	11.42	3.52	GRD	MG	Pervasively strongly oxidize moderate phyllic envelope surrounding a quartz/carbonate vein zone. Phyllic alteration transitions to distal weak potassic/moderate argillic alteration away from veining.							
						MD	OR	EN	OXI	3I		
						MD	GN		PHC	3I		
						LT	GN		OXI	4I		
						LT	WH		ARG	3I		
									POT	2I		
11.42	12.10	0.68	GRD	MG	Primarily unaltered granodiorite. Moderate to strong oxidation along fracture surfaces.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GY		OXI	3I		
						MD	OR					
12.10	15.63	3.53	GRD	MG	Silicified moderate phyllic altered granodiorite with patchy moderate argillic/potassic alteration. Hosts a moderately sized quartz/carbonate/sulphide vein zone along with minor quartz/carbonate veining. Patchy pervasive moderate oxidation and moderate oxidation along fracture surfaces.							
						MD	GN		OXI	3I		
						MD	PK					
						MD	OR		SIL	3I		
						LT	GN	PA	PHC	3I		
						LT	WH					
15.63	20.73	5.10	GRD	MG	Primarily unaltered granodiorite. Moderate oxidation along fracture surfaces.							
						MD	GY		OXI	3I		
						MD	OR					
20.73	32.90	12.17	GRD	MG	Primarily unaltered granodiorite with weak to moderate oxidation along fracture surfaces. Oxidation intensity decrease with depth.							
						MD	GY		OXI	3I		
						MD	OR		OXI	2I		
32.90	34.00	1.10	GRD	MG	Proximal phyllic alteration surrounding quartz/carbonate+/-sulphide veining, transitions to distal potassic/argillic alteration away from veining. Moderate oxidation along fracture surfaces.							
						MD	OR		ARG	3I		
						MD	PK					
						MD	GN		OXI	3I		
						LT	GN	EN	PHC	3I		
						LT	WH		POT	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
38.67	45.73	7.06	GRD	MG	Silicified moderate phyllic altered granodiorite surrounding quartz/carbonate/sulphide vein zones and minor quartz/carbonate veining. Phyllic alteration transitions to weak to moderate argillic/potassic alteration distally from veining. Weak oxidation along fracture surfaces.							
						MD	OR		SIL	3I		
						MD	GN		ARG	2I		
						MD	PK		POT	2I		
						LT	GN		PHC	3I		
						LT	WH		ARG	3I		
									POT	3I		
45.73	49.57	3.84	GRD	MG	Primarily unaltered granodiorite with moderate phyllic envelopes occurring around sporadic, minor quartz/carbonate veining.							
						MD	GY					
						LT	GY					
49.57	49.86	0.29	GRD	MG	Small moderate phyllic envelope surrounding a polymetallic quartz/carbonate/sulphide vein.							
						MD	GN					
						LT	GN	EN	PHC	3I		
50.37	50.94	0.57	GRD	MG	Moderate phyllic envelope with patchy weak propyllitic alteration surrounding a quartz/carbonate breccia.							
						MD	GN		PRO	2I		
						LT	GN	EN	PHC	3I		
						DK	GN					
67.11	68.15	1.04	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite.							
						MD	GY		PRO	1I		
						MD	PK		POT	1I		
						DK	GN		PRO	2I		
									POT	2I		
68.68	77.67	8.99	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	PK		POT	1I		
						MD	GY		PRO	1I		
						DK	GN		PRO	2I		
									POT	2I		
77.67	78.62	0.95	GRD	MG	Intensely silicified weakly satirized envelope surrounding a polymetallic quartz/sulphide vein. Silica/sericite halo transition to distal moderate phyllic alteration away from veining. Silica/sericite halo hosts disseminated black tourmaline.							
						MD	GN		PHC	3I		
						LT	GN	EN	SIL	5I		
						LT	GY		SER	3I		
78.62	81.10	2.48	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite..							
						MD	PK		POT	1I		
						MD	GY		PRO	1I		
						DK	GN		PRO	2I		
									POT	2I		
81.10	83.56	2.46	GRD	MG	Moderate phyllic altered granodiorite with patchy weak propyllitic alteration. Hosts multiple black breccias and a quartz/carbonate/sulphide vein.							
						MD	GN	EN	PHC	3I		
						LT	GN		PRO	2I		
						DK	GN					
83.56	98.61	15.05	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite.							
						MD	GY		PRO	1I		
						MD	PK		POT	1I		
						DK	GN		PRO	2I		
									POT	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
98.61	107.98	9.37	GRD	MG	Moderate phyllic altered granodiorite with patchy moderate argillic/potassic alteration, and weak potassic/propyllitic alteration. Phyllic alteration hosts and abundance of black breccia vein and the occasional quartz/carbonate/sulphide vein. Non-phyllic alterations occur distally from veining.							
						MD	GN		ARG	3I		
						MD	PK		POT	3I		
						LT	WH		PRO	2I		
						LT	GN		PHC	3I		
						DK	GN		POT	2I		
107.98	109.12	1.14	QFP	FG	Dark grey/purple quartz feldspar porphyry dyke. Transitions to light grey in color at dyke contacts.							
						LT	GY	PO				
						DK	GY					
						DK	PU					
109.12	111.95	2.83	GRD	MG	Silicified weak to moderate phyllic altered granodiorite with patchy weak to moderate propyllitic alteration.							
						MD	GN		PHC	2I		
						LT	GN		PHC	3I		
						DK	GN		PRO	3I		
									PRO	2I		
111.95	114.45	2.50	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite. Weak to moderate phyllic halos surrounding quartz/carbonate+/-sulphide veining.							
						MD	PK		POT	1I		
						MD	GY		PRO	1I		
						DK	GN		PRO	2I		
									POT	2I		
114.45	116.86	2.41	GRD	MG	Weak to moderate phyllic altered granodiorite. Hosts multiple patches of gouge altered black breccia veins.							
						MD	GN		PHC	3I		
						LT	GN		PHC	2I		
116.86	118.49	1.63	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite..							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	PK		POT	1I		
						MD	GY		PRO	1I		
						DK	GN		PRO	2I		
									POT	2I		
118.49	119.12	0.63	GRD	MG	Moderate phyllic/propyllitic envelope surrounding a black breccia vein.							
						MD	GN	EN	PRO	3I		
						DK	GN		PHC	3I		
119.12	131.23	12.11	GRD	MG	Moderate phyllic/propyllitic envelope around a black breccia vein.							
						MD	GN		PRO	3I		
						LT	GN	EN	PHC	3I		
						DK	GN					
131.23	136.13	4.90	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite. Contains a 50cm rubbly patch between 132-133m.							
						MD	GY		PRO	1I		
						MD	PK		POT	1I		
						DK	GN		PRO	2I		
									POT	2I		
136.13	138.96	2.83	GRD	MG	Patchy weak to moderate propyllitic and phyllic altered granodiorite. Partial gouge alteration proximal to dyke contact.							
						MD	GN		PRO	3I		
						LT	GN	PA	PRO	2I		
						DK	GN		PHC	2I		
									PHC	3I		
138.96	141.44	2.48	QFP	MG	Grey quartz feldspar porphyry dyke. Transition to light purple orange at the upper contact and is partially gouge altered.							
						MD	GY	PO				
						LT	OR					
						LT	PU					
141.44	146.44	5.00	GRD	MG	Weak phyllic/propyllitic altered granodiorite. Hosts a two black breccias, one of which is gouge altered.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GN		PRO	2I		
						LT	GN		PHC	2I		
						DK	GN					
146.44	149.27	2.83	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite.							
						MD	PK		POT	1I		
						MD	GY		PRO	1I		
						DK	GN		PRO	2I		
									POT	2I		
149.27	150.52	1.25	GRD	MG	Weak to moderate propyllitic and weak phyllic altered granodiorite with patches of moderate to strong propyllitic alteration.							
						MD	GN		PRO	3I		
						LT	GN	PA	PHC	2I		
						DK	GN		PRO	2I		
150.80	152.59	1.79	GRD	MG	Weak to moderate propyllitic and weak phyllic altered granodiorite with patches of moderate to strong propyllitic alteration.							
						MD	GN		PRO	3I		
						LT	GN	PA	PHC	2I		
						DK	GN		PRO	2I		
163.74	165.13	1.39	BXA	--	Polymictic breccia. With sub-angular clast of light grey quartz feldspar porphyry dyke, phyllic altered granodiorite and smoky quartz vein that hosts pyrite, sphalerite, galena and arsenopyrite. Matrix appears to be fine grained quartz. The last 47 cm of the interval are strongly phyllic altered granodiorite with quartz/sulphide veining.							
						MD	GY	BX	PHC	4I	Py	1
						LT	GY				As	0.1
						LT	GN				Gn	0.1
											Sp	0.1
165.13	171.19	6.06	QFP	FG	Partially gouge altered grey /brown quartz feldspar porphyry dyke.							
						MD	GY					
						MD	BN					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
171.19	171.95	0.76	BXA	MG	Smoky quartz breccia with sub-angular pebble sized clasts of phyllic altered granodiorite, light grey quartz feldspar porphyry dyke and smoky quartz vein that hosts disseminated pyrite, galena and sphalerite. Breccia hosts disseminated pyrite.							
						MD	GY				Gn	0.1
						DK	GY	BX			Py	1
											Sp	0.1
171.95	175.60	3.65	GRD	MG	Moderately phyllic altered granodiorite with patch weak propyllitc alteration. Hosts minor quartz/carbonate veining.							
						MD	GN		PRO	2I		
						LT	GN		PHC	3I		
						DK	GN					
175.60	181.79	6.19	GRD	MG	Alternating patches of weak potassic/propyllitic alteration, weak argillic/potassic/propyllitic alteration and weak phyllic alteration envelope around barren carbonate veinlets.							
						MD	GY		PRO	2I		
						MD	PK		ARG	2I		
						LT	GY	PA	PHC	2I		
						LT	WH					
						DK	GN		POT	2I		
181.79	184.00	2.21	QFP	MG	Light grey to medium grey/green quartz feldspar porphyry dyke. Hosts disseminated pyrite and polymetallic quartz/carbonate/sulphide vein along with a few quartz/sulphide veinlets. Concentration of disseminated pyrite increases with proximity to veins. Aloes hosts multiple small mineralized gouge zones.							
						MD	GN					
						MD	GY					
						LT	GY				Py	0.1
184.00	192.37	8.37	GRD	MG	Silicified moderate phyllic altered granodiorite. Hosts multiple quartz/carbonate/sulphide veins and barren carbonate veins/veinlets.							
						MD	GN		SIL	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	GN		PHC	3I		
192.37	194.51	2.14	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite. Moderate phyllic envelope around sporadic quartz/carbonate+/-sulphide veins/veinlets.							
						MD	GY		PRO	1I		
						MD	PK		POT	1I		
						DK	GN		PRO	2I		
									POT	2I		
194.51	196.49	1.98	GRD	MG	Moderate phyllic envelope with patchy weak propyllitic alteration around a moderate polymetallic quartz/carbonate/sulphide vein.							
						MD	GN		PHC	3I		
						LT	GN	EN	PRO	2I		
						DK	GN					
196.49	202.91	6.42	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite. Moderate phyllic envelope around sporadic quartz/carbonate+/-sulphide veins/veinlets.							
						MD	GY		PRO	1I		
						MD	PK		POT	1I		
						DK	GN		PRO	2I		
									POT	2I		
202.91	204.73	1.82	GRD	MG	Moderate phyllic envelope with patchy weak propyllitic alteration around a multiple quartz/carbonate/sulphide veins/veinlets.							
						MD	GN		PHC	3I		
						LT	GN		PRO	2I		
						DK	GN					
204.73	212.75	8.02	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite.							
						MD	GY		PRO	1I		
						MD	PK		POT	1I		
						DK	GN		PRO	2I		
									POT	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
3.37	20.73	17.36	GRD	MG	Primarily unaltered granodiorite with phyllic envelopes surrounding quartz/carbonate+/-sulphide veining. Phyllic alteration transitions to potassic/argillic alteration distally form veining. Moderate to strong oxidation along fracture surfaces. Oxidation is pervasive in areas of alteration.							
						MD	GY		OXI	3I		
						MD	OR		ARG	3I		
						LT	GN		POT	2I		
						LT	WH		PHC	3I		
20.73	38.67	17.94	GRD	MG	Primarily unaltered granodiorite with weak to moderate oxidation along fracture surfaces. Oxidation intensity decrease with depth.							
						MD	GY		OXI	3I		
						MD	OR		OXI	2I		
38.67	45.73	7.06	GRD	MG	Silicified moderate phyllic altered granodiorite surrounding quartz/carbonate/sulphide vein zones and minor quartz/carbonate veining. Phyllic alteration transitions to weak to moderate argillic/potassic alteration distally from veining. Weak oxidation along fracture surfaces.							
						LT	WH		ARG	3I		
						MD	PK		POT	2I		
						MD	GN		ARG	2I		
						MD	OR		SIL	3I		
						LT	GN		PHC	3I		
									POT	3I		
45.73	67.11	21.38	GRD	MG	Primarily unaltered granodiorite with moderate phyllic envelopes occurring around sporadic, minor quartz/carbonate veining.							
						LT	GY					
						MD	GY					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
67.11	98.61	31.50	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite.							
						MD	GY		PRO	1I		
						DK	GN		PRO	2I		
						MD	PK		POT	1I		
									POT	2I		
98.61	107.98	9.37	GRD	MG	Moderate phyllic altered granodiorite with patchy moderate argillic/potassic alteration, and weak potassic/propyllitic alteration. Phyllic alteration hosts and abundance of black breccia vein and the occasional quartz/carbonate/sulphide vein. Non-phyllic alterations occur distally from veining.							
						MD	PK		POT	3I		
						LT	WH		PRO	2I		
						LT	GN		PHC	3I		
						MD	GN		ARG	3I		
						DK	GN		POT	2I		
107.98	109.12	1.14	QFP	FG	Dark grey/purple quartz feldspar porphyry dyke. Transitions to light grey in color at dyke contacts.							
						LT	GY	PO				
						DK	PU					
						DK	GY					
109.12	111.95	2.83	GRD	MG	Silicified weak to moderate phyllic altered granodiorite with patchy weak to moderate propyllitic alteration.							
									PRO	2I		
						DK	GN		PRO	3I		
						MD	GN		PHC	2I		
						LT	GN		PHC	3I		
111.95	136.13	24.18	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite. Weak to moderate phyllic halos surrounding quartz/carbonate+/-sulphide veining and/or black breccia veins.							
									POT	2I		
						MD	PK		POT	1I		
						DK	GN		PRO	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GY		PRO	1I		
136.13	138.96	2.83	GRD	MG	Patchy weak to moderate propyllitic and phyllic altered granodiorite. Partial gouge alteration proximal to dyke contact.							
									PHC	3I		
						DK	GN		PHC	2I		
						LT	GN	PA	PRO	2I		
						MD	GN		PRO	3I		
138.96	141.44	2.48	QFP	MG	Grey quartz feldspar porphyry dyke. Transition to light purple orange at the upper contact and is partially gouge altered.							
						MD	GY	PO				
						LT	PU					
						LT	OR					
141.44	146.44	5.00	GRD	MG	Weak phyllic/propyllitic altered granodiorite. Hosts a two black breccias, one of which is gouge altered.							
						DK	GN					
						MD	GN		PRO	2I		
						LT	GN		PHC	2I		
146.44	149.27	2.83	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite.							
						DK	GN		PRO	2I		
						MD	GY		PRO	1I		
									POT	2I		
						MD	PK		POT	1I		
149.27	152.59	3.32	GRD	MG	Weak to moderate propyllitic and weak phyllic altered granodiorite with patches of moderate to strong propyllitic alteration.							
						DK	GN		PRO	2I		
						MD	GN		PRO	3I		
						LT	GN	PA	PHC	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
163.74	165.13	1.39	BXA	--	Polymictic breccia. With sub-angular clast of light grey quartz feldspar porphyry dyke, phyllic altered granodiorite and smoky quartz vein that hosts pyrite, sphalerite, galena and arsenopyrite. Matrix appears to be fine grained quartz. The last 47 cm of the interval are strongly phyllic altered granodiorite with quartz/sulphide veining.							
						LT	GN				Gn	0.1
											Sp	0.1
						LT	GY				As	0.1
						MD	GY	BX	PHC	4I	Py	1
165.13	171.19	6.06	QFP	FG	Partially gouge altered grey /brown quartz feldspar porphyry dyke.							
						MD	GY					
						MD	BN					
171.19	171.95	0.76	BXA	MG	Smoky quartz breccia with sub-angular pebble sized clasts of phyllic altered granodiorite, light grey quartz feldspar porphyry dyke and smoky quartz vein that hosts disseminated pyrite, galena and sphalerite. Breccia hosts disseminated pyrite.							
											Sp	0.1
						MD	GY				Gn	0.1
						DK	GY	BX			Py	1
171.95	175.60	3.65	GRD	MG	Moderately phyllic altered granodiorite with patch weak propyllitc alteration. Hosts minor quartz/carbonate veining.							
						MD	GN		PRO	2I		
						DK	GN					
						LT	GN		PHC	3I		
175.60	181.79	6.19	GRD	MG	Alternating patches of weak potassic/propyllitic alteration, weak argillic/potassic/propyllitic alteration and weak phyllic alteration envelope around barren carbonate veinlets.							
						MD	GY		PRO	2I		
						LT	WH					
						DK	GN		POT	2I		
						LT	GY	PA	PHC	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	PK		ARG	2I		
181.79	184.00	2.21	QFP	MG	Light grey to medium grey/green quartz feldspar porphyry dyke. Hosts disseminated pyrite and polymetallic quartz/carbonate/sulphide vein along with a few quartz/sulphide veinlets. Concentration of disseminated pyrite increases with proximity to veins. Aloes hosts multiple small mineralized gouge zones.							
						MD	GN					
						MD	GY					
						LT	GY				Py	0.1
184.00	192.37	8.37	GRD	MG	Silicified moderate phyllic altered granodiorite. Hosts multiple quartz/carbonate/sulphide veins and barren carbonate veins/veinlets.							
						MD	GN		SIL	3I		
						LT	GN		PHC	3I		
192.37	212.75	20.38	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite. Moderate phyllic envelope around sporadic quartz/carbonate+/-sulphide veins/veinlets.							
						MD	PK		POT	1I		
						DK	GN		PRO	2I		
						MD	GY		PRO	1I		
									POT	2I		

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
0.00	5.49	5.49	2.01	37	1.19	22	--	3H	2W	
5.49	8.53	3.04	3.04	100	1.90	63	--	3H	1W	
8.53	11.58	3.05	3	98	2.75	90	--	3H	1W	
11.58	14.63	3.05	3.05	100	2.65	87	--	3H	1W	
14.63	17.68	3.05	3.05	100	2.50	82	--	3H	1W	
17.68	20.73	3.05	3.05	100	1.79	59	--	4H	1W	
20.73	23.77	3.04	3.04	100	2.62	86	--	4H	1W	
23.77	26.82	3.05	3.05	100	2.40	79	--	4H	1W	
26.82	29.87	3.05	2.78	91	2.60	85	--	4H	1W	
29.87	32.92	3.05	3.05	100	2.74	90	--	3H	1W	
32.92	35.97	3.05	2.89	95	1.78	58	--	4H	1W	
35.97	39.01	3.04	3.04	100	2.98	98	--	4H	1W	
39.01	42.06	3.05	3.02	99	2.38	78	--	4H	1W	
42.06	45.11	3.05	3.05	100	1.97	65	--	3H	1W	
45.11	48.16	3.05	3.04	100	2.41	79	--	4H	1W	
48.16	51.21	3.05	3.05	100	2.67	88	--	4H	1W	
51.21	54.25	3.04	3.04	100	2.31	76	--	4H	1W	
54.25	57.30	3.05	3.05	100	2.42	79	--	4H	1W	
57.30	60.35	3.05	3.05	100	2.69	88	--	4H	1W	
60.35	63.40	3.05	3.03	99	2.90	95	--	4H	1W	
63.40	66.45	3.05	3.02	99	2.62	86	--	4H	1W	
66.45	69.49	3.04	3.03	100	2.69	88	--	4H	1W	
69.49	72.54	3.05	3.05	100	2.97	97	--	4H	1W	
72.54	75.59	3.05	3.04	100	2.93	96	--	4H	1W	
75.59	78.64	3.05	3.05	100	2.96	97	--	4H	1W	
78.64	81.69	3.05	3.05	100	3.01	99	--	4H	1W	
81.69	84.73	3.04	3.03	100	3.03	100	--	4H	1W	
84.73	87.78	3.05	3.05	100	2.76	90	--	4H	1W	
87.78	90.83	3.05	3.04	100	2.90	95	--	4H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
90.83	93.88	3.05	3.05	100	2.39	78	--	4H	1W	
93.88	96.93	3.05	2.92	96	2.38	78	--	4H	1W	
96.93	99.97	3.04	3.04	100	2.89	95	--	4H	1W	
99.97	103.02	3.05	3.05	100	2.71	89	--	4H	1W	
103.02	106.07	3.05	3.05	100	3.03	99	--	4H	1W	
106.07	109.12	3.05	3.01	99	2.44	80	--	4H	1W	
109.12	112.17	3.05	3.05	100	2.23	73	--	4H	1W	
112.17	115.21	3.04	3.03	100	2.70	89	--	4H	1W	
115.21	118.26	3.05	3.05	100	2.37	78	--	3H	1W	
118.26	121.31	3.05	3.05	100	2.52	83	--	4H	1W	
121.31	124.36	3.05	3.05	100	2.62	86	--	4H	1W	
124.36	127.41	3.05	3.04	100	2.48	81	--	4H	1W	
127.41	130.45	3.04	3.04	100	1.66	55	--	4H	1W	
130.45	133.50	3.05	3.05	100	1.45	48	--	4H	1W	
133.50	136.55	3.05	3.05	100	2.27	74	--	4H	1W	
136.55	139.60	3.05	3.05	100	3.05	100	--	4H	1W	
139.60	142.65	3.05	3.05	100	2.75	90	--	4H	1W	
142.65	145.69	3.04	3.01	99	2.60	86	--	4H	1W	
145.69	148.74	3.05	3.05	100	2.42	79	--	4H	1W	
148.74	151.79	3.05	2.99	98	2.42	79	--	4H	1W	
151.79	154.84	3.05	3.05	100	2.59	85	--	4H	1W	
154.84	157.89	3.05	3.05	100	2.15	70	--	4H	1W	
157.89	160.93	3.04	3.04	100	2.76	91	--	3H	1W	
160.93	163.98	3.05	3.02	99	2.14	70	--	3H	1W	
163.98	167.03	3.05	3.02	99	2.77	91	--	3H	1W	
167.03	170.08	3.05	3.05	100	2.30	75	--	3H	1W	
170.08	173.13	3.05	3.05	100	2.41	79	--	3H	1W	
173.13	176.17	3.04	3.04	100	2.18	72	--	4H	1W	
176.17	179.22	3.05	3.05	100	3.05	100	--	4H	1W	
179.22	182.27	3.05	3.05	100	2.51	82	--	4H	1W	
182.27	185.32	3.05	3.04	100	2.06	68	--	3H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
185.32	188.37	3.05	3.05	100	2.93	96	--	3H	1W	
188.37	191.41	3.04	3.04	100	2.87	94	--	3H	1W	
191.41	194.46	3.05	3	98	2.18	71	--	3H	1W	
194.46	197.57	3.11	2.97	95	2.56	82	--	3H	1W	
197.57	200.56	2.99	2.95	99	2.54	85	--	4H	1W	
200.56	203.61	3.05	3.05	100	2.73	90	--	3H	1W	
203.61	206.65	3.04	3.04	100	2.85	94	--	4H	1W	
206.65	209.70	3.05	3.05	100	2.87	94	--	5H	1W	
209.70	212.75	3.05	3.05	100	3.03	99	--	4H	1W	

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
0.00	0.00	0.00	-QC-	0.00	0	M675765	☐	15-096			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M675828	☐	15-098		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M675819	☐	15-098			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M675808	☐	15-097			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M675799	☐	15-097		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M675796	☐	15-097			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M675701	☐	15-094		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M675771	☐	15-096		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M675750	☐	15-096		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M675747	☐	15-096			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M675737	☐	15-095			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M675731	☐	15-095			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M675719	☐	15-095		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M675714	☐	15-095		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M675790	☐	15-097		KL-STD5	☐	☐	☐
3.67	4.20	0.53	GRD	0.50	94	M675695	☐	15-094			☐	☐	☐
4.20	5.49	1.29	GRD	0.91	71	M675696	☐	15-094			☐	☐	☐
5.49	7.85	2.36	GRD	2.28	97	M675697	☐	15-094			☐	☐	☐
5.49	7.85	2.36	GRD	2.28	97	M675698	☐	15-094			☐	☐	☑
7.85	8.53	0.68	GRD	0.68	100	M675699	☐	15-094			☐	☐	☐
8.53	10.07	1.54	GRD	1.43	93	M675700	☐	15-094			☐	☐	☐
10.07	10.65	0.58	GRD	0.58	100	M675702	☐	15-094			☐	☐	☐
10.65	11.43	0.78	GRD	0.74	95	M675703	☐	15-094			☐	☐	☐
11.43	12.11	0.68	GRD	0.67	99	M675704	☐	15-094			☐	☐	☐
12.11	13.69	1.58	GRD	1.39	88	M675705	☐	15-094			☐	☐	☐
13.69	14.12	0.43	GRD	0.42	98	M675706	☐	15-094			☐	☐	☐
14.12	14.71	0.59	GRD	0.56	95	M675707	☐	15-095			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
14.71	15.84	1.13	GRD	0.81	72	M675708	☐	15-095			☐	☐	☐
15.84	18.16	2.32	GRD	2.32	100	M675709	☐	15-095			☐	☐	☐
18.16	18.49	0.33	GRD	0.28	85	M675710	☐	15-095			☐	☐	☐
18.49	19.22	0.73	GRD	0.72	99	M675711	☐	15-095			☐	☐	☐
33.38	33.97	0.59	GRD	0.59	100	M675712	☐	15-095			☐	☐	☐
38.63	39.06	0.43	GRD	0.43	100	M675713	☐	15-095			☐	☐	☐
39.06	39.39	0.33	GRD	0.30	91	M675715	☐	15-095			☐	☐	☐
39.39	40.32	0.93	GRD	0.46	49	M675716	☐	15-095			☐	☐	☐
40.32	42.06	1.74	GRD	1.67	96	M675717	☐	15-095			☐	☐	☐
42.06	42.44	0.38	GRD	0.38	100	M675718	☐	15-095			☐	☐	☐
42.44	42.83	0.39	GRD	0.30	77	M675720	☐	15-095			☐	☐	☐
42.83	44.06	1.23	GRD	1.23	100	M675721	☐	15-095			☐	☐	☐
44.06	45.75	1.69	GRD	1.56	92	M675722	☐	15-095			☐	☐	☐
44.06	45.75	1.69	GRD	1.56	92	M675723	☐	15-095			☐	☐	☑
45.75	48.16	2.41	GRD	2.41	100	M675724	☐	15-095			☐	☐	☐
48.16	49.45	1.29	GRD	1.27	98	M675725	☐	15-095			☐	☐	☐
49.45	49.81	0.36	GRD	0.36	100	M675726	☐	15-095			☐	☐	☐
49.81	50.37	0.56	GRD	0.56	100	M675727	☐	15-095			☐	☐	☐
50.37	50.94	0.57	GRD	0.51	89	M675728	☐	15-095			☐	☐	☐
50.94	51.47	0.53	GRD	0.52	98	M675729	☐	15-095			☐	☐	☐
68.19	68.60	0.41	GRD	0.41	100	M675730	☐	15-095			☐	☐	☐
77.43	77.93	0.50	GRD	0.50	100	M675732	☐	15-095			☐	☐	☐
77.93	78.23	0.30	GRD	0.30	100	R499415	☐	15-099	HG		☐	☐	☐
78.23	78.64	0.41	GRD	0.41	100	M675733	☐	15-095			☐	☐	☐
78.64	81.34	2.70	GRD	2.70	100	M675734	☐	15-095			☐	☐	☐
81.34	82.18	0.84	GRD	0.84	100	M675735	☐	15-095			☐	☐	☐
82.18	82.51	0.33	GRD	0.33	100	M675736	☐	15-095			☐	☐	☐
82.51	83.56	1.05	GRD	1.02	97	M675738	☐	15-095			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
83.56	84.73	1.17	GRD	1.17	100	M675739	☐	15-095			☐	☐	☐
83.56	84.73	1.17	GRD	1.17	100	M675740	☐	15-095			☐	☑	☐
98.10	98.61	0.51	GRD	0.51	100	M675741	☐	15-095			☐	☐	☐
98.61	98.91	0.30	GRD, GRD	0.30	100	M675742	☐	15-095			☐	☐	☐
98.91	100.40	1.49	GRD	1.48	99	M675743	☐	15-096			☐	☐	☐
100.40	101.25	0.85	GRD	0.79	93	M675744	☐	15-096			☐	☐	☐
101.25	102.74	1.49	GRD	1.49	100	M675745	☐	15-096			☐	☐	☐
102.74	103.68	0.94	GRD	0.91	97	M675746	☐	15-096			☐	☐	☐
103.68	106.07	2.39	GRD	2.39	100	M675748	☐	15-096			☐	☐	☐
106.07	107.74	1.67	GRD	1.60	96	M675749	☐	15-096			☐	☐	☐
107.74	108.04	0.30	GRD	0.30	100	R499416	☐	15-099	HG		☐	☐	☐
108.04	109.11	1.07	QFP	1.07	100	M675751	☐	15-096			☐	☐	☐
109.11	109.78	0.67	QFP	0.63	94	M675752	☐	15-096			☐	☐	☐
109.78	111.95	2.17	GRD	2.17	100	M675753	☐	15-096			☐	☐	☐
111.95	114.46	2.51	GRD, GRD	2.51	100	M675754	☐	15-096			☐	☐	☐
114.46	115.50	1.04	GRD	1.04	100	M675755	☐	15-096			☐	☐	☐
115.50	116.50	1.00	GRD	1.00	100	M675756	☐	15-096			☐	☐	☐
115.50	116.50	1.00	GRD	1.00	100	M675757	☐	15-096			☐	☐	☑
116.50	117.52	1.02	GRD	1.02	100	M675758	☐	15-096			☐	☐	☐
117.52	118.67	1.15	GRD	1.12	97	M675759	☐	15-096			☐	☐	☐
118.67	118.96	0.29	GRD	0.29	100	M675760	☐	15-096			☐	☐	☐
118.96	119.50	0.54	GRD	0.50	93	M675761	☐	15-096			☐	☐	☐
128.62	128.98	0.36	GRD	0.36	100	M675762	☐	15-096			☐	☐	☐
128.98	131.27	2.29	GRD	2.24	98	M675763	☐	15-096			☐	☐	☐
131.27	131.96	0.69	GRD	0.69	100	M675764	☐	15-096			☐	☐	☐
131.96	133.50	1.54	GRD	1.54	100	M675766	☐	15-096			☐	☐	☐
133.50	135.21	1.71	GRD	1.69	99	M675767	☐	15-096			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
135.21	136.47	1.26	GRD	1.26	100	M675768	☐	15-096			☐	☐	☐
135.21	136.47	1.26	GRD	1.26	100	M675769	☐	15-096			☐	☑	☐
136.47	138.69	2.22	GRD	2.20	99	M675770	☐	15-096			☐	☐	☐
138.69	138.96	0.27	GRD	0.26	96	M675772	☐	15-096			☐	☐	☐
138.96	141.38	2.42	GRD, QFP	2.42	100	M675773	☐	15-096			☐	☐	☐
141.38	144.18	2.80	QFP	2.66	95	M675774	☐	15-096			☐	☐	☐
144.18	144.50	0.32	GRD	0.32	100	M675775	☐	15-096			☐	☐	☐
144.50	145.69	1.19	GRD	1.17	98	M675776	☐	15-096			☐	☐	☐
145.69	148.56	2.87	GRD	2.87	100	M675777	☐	15-096			☐	☐	☐
148.56	150.21	1.65	GRD	1.44	87	M675778	☐	15-096			☐	☐	☐
150.21	150.53	0.32	GRD	0.32	100	M675779	☐	15-097			☐	☐	☐
150.53	150.84	0.31	GRD	0.31	100	M675780	☐	15-097			☐	☐	☐
150.84	151.67	0.83	GRD	0.76	92	M675781	☐	15-097			☐	☐	☐
151.67	152.36	0.69	GRD	0.67	97	M675782	☐	15-097			☐	☐	☐
152.36	153.19	0.83	GRD	0.81	98	M675783	☐	15-097			☐	☐	☐
152.36	153.19	0.83	GRD	0.81	98	M675784	☐	15-097			☐	☐	☑
153.19	154.84	1.65	QFP	1.61	98	M675785	☐	15-097			☐	☐	☐
154.84	156.37	1.53	QFP	1.52	99	M675786	☐	15-097			☐	☐	☐
156.37	158.94	2.57	QFP	2.47	96	M675787	☐	15-097			☐	☐	☐
158.94	160.93	1.99	QFP	1.90	95	M675788	☐	15-097			☐	☐	☐
160.93	163.74	2.81	QFP	2.74	98	M675789	☐	15-097			☐	☐	☐
163.74	165.16	1.42	BXA, QFP	1.39	98	M675791	☐	15-097			☐	☐	☐
165.16	167.03	1.87	QFP	1.87	100	M675792	☐	15-097			☐	☐	☐
167.03	170.08	3.05	QFP	3.05	100	M675793	☐	15-097			☐	☐	☐
170.08	171.19	1.11	QFP	1.11	100	M675794	☐	15-097			☐	☐	☐
171.19	171.95	0.76	BXA, QFP	0.74	97	M675795	☐	15-097			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
171.95	173.13	1.18	BXA, GRD	1.02	86	M675797	☐	15-097			☐	☐	☐
173.13	174.50	1.37	GRD	1.37	100	M675798	☐	15-097			☐	☐	☐
174.50	174.82	0.32	GRD	0.32	100	M675800	☐	15-097			☐	☐	☐
174.82	176.17	1.35	GRD	1.35	100	M675801	☐	15-097			☐	☐	☐
176.17	179.22	3.05	GRD	3.04	100	M675802	☐	15-097			☐	☐	☐
179.22	181.49	2.27	GRD	2.18	96	M675803	☐	15-097			☐	☐	☐
179.22	181.49	2.27	GRD	2.18	96	M675804	☐	15-097			☐	☑	☐
181.49	181.79	0.30	GRD	0.30	100	M675805	☐	15-097			☐	☐	☐
181.79	182.31	0.52	GRD, QFP	0.52	100	M675806	☐	15-097			☐	☐	☐
182.31	182.66	0.35	QFP	0.35	100	M675807	☐	15-097			☐	☐	☐
182.66	183.15	0.49	QFP	0.49	100	M675809	☐	15-097			☐	☐	☐
183.15	183.47	0.32	QFP	0.32	100	R499417	☐	15-099	HG		☐	☐	☐
183.47	184.00	0.53	QFP	0.50	94	M675810	☐	15-097			☐	☐	☐
184.00	185.43	1.43	QFP, GRD	1.43	100	M675811	☐	15-097			☐	☐	☐
185.43	187.24	1.81	GRD	1.75	97	M675812	☐	15-097			☐	☐	☐
187.24	188.75	1.51	GRD	1.51	100	M675813	☐	15-097			☐	☐	☐
188.75	189.35	0.60	GRD	0.58	97	M675814	☐	15-097			☐	☐	☐
189.35	189.83	0.48	GRD	0.48	100	M675815	☐	15-098			☐	☐	☐
189.83	190.59	0.76	GRD	0.76	100	M675816	☐	15-098			☐	☐	☐
190.59	191.02	0.43	GRD	0.43	100	M675817	☐	15-098			☐	☐	☐
191.02	192.02	1.00	GRD	0.99	99	M675818	☐	15-098			☐	☐	☐
192.02	194.57	2.55	GRD	2.44	96	M675820	☐	15-098			☐	☐	☐
194.57	194.87	0.30	GRD	0.30	100	M675821	☐	15-098			☐	☐	☐
194.87	195.48	0.61	GRD	0.61	100	M675822	☐	15-098			☐	☐	☐
195.48	195.78	0.30	GRD	0.30	100	R499418	☐	15-130	HG		☐	☐	☐
195.78	196.40	0.62	GRD	0.61	98	M675823	☐	15-098			☐	☐	☐
195.78	196.40	0.62	GRD	0.61	98	M675824	☐	15-098			☐	☐	☑

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
196.40	198.63	2.23	GRD	2.13	96	M675825	☐	15-098			☐	☐	☐
198.63	201.47	2.84	GRD	2.72	96	M675826	☐	15-098			☐	☐	☐
201.47	203.26	1.79	GRD	1.75	98	M675827	☐	15-098			☐	☐	☐
203.26	203.97	0.71	GRD	0.68	96	M675829	☐	15-098			☐	☐	☐
203.97	204.67	0.70	GRD	0.70	100	M675830	☐	15-098			☐	☐	☐
204.67	205.17	0.50	GRD	0.50	100	M675831	☐	15-098			☐	☐	☐

Klaza - Klaza Project

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		381652	6889776	1295.59	425.81

ZONE: Western BRX

SECTION: BRX 9+500

HOLE: KL-15-274

CLAIM:

Contractor: Platinum

Drill: 1

Core Size: HQ-NQ2

Casing Depth: 3.05m, Out

Drilling Dates: Jul 27 - Jul 31, 2015

Geology Logged By: T. Cruz

SURVEY			
Depth (m)	Azimuth	Dip	Method
2.13	28.8	-50.1	Reflex
425.8	47	-47.9	Reflex

TARGET:

SUMMARY			
From (m)	To (m)	Interval (m)	Rock Type
0	3.5	3.5	CAS
3.5	7.87	4.37	OVB
7.87	46.92	39.05	OVB
46.92	49.72	2.8	QFP
49.72	50.49	0.77	CLY
50.49	67.53	17.04	GRD
67.53	215.17	147.64	GRD
215.17	222.99	7.82	GRD
222.99	226.26	3.27	GRD
226.26	319.31	93.05	GRD
319.31	342.07	22.76	GRD
342.07	367.65	25.58	GRD
367.65	369.91	2.26	VEN
369.91	372.05	2.14	QFP
372.05	372.44	0.39	VEN
372.44	373.77	1.33	GRD

SAMPLES	
Numbers:	K289493 to K289591, R499419 to R499423
Total:	104
Batch:	091, 093, 102, 103, 130
Certificates:	WH15115573, WH15115597, WH15117170, WH15119554, WH15121593, WH15123453, WH15129595

COMMENTS
Reduced to NQ at 231.46m

373.77	377.13	3.36	QFP
377.13	386.88	9.75	GRD
386.88	392.73	5.85	GRD
392.73	398.81	6.08	GRD
398.81	399.71	0.9	GRD
399.71	410.69	10.98	GRD
410.69	425.81	15.12	GRD

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
3.50	7.87	4.37	OVB	FG	Light brown sandy overburden, with boulders of fresh granodiorite.							
						MD	GY					
						LT	BN		OXI	3I		
7.87	46.92	39.05	OVB	MG	Coarser, fully weathered and oxidized granodiorite. Almost all of recovery is entirely altered to clay with intense oxide staining. Occasionally, boulders are encountered. Colouration varies in shades of brown and orange.							
						MD	BN					
						MD	OR					
						LT	BN		OXI	5I		
						LT	OR		CLY	5I		
						DK	BN					
46.92	49.72	2.80	QFP	FG	Maroon quartz feldspar porphyry dyke with strong pervasive clay alteration and short of competent core.							
						MD	MR	CR	CLY	4I		
						LT	BN	PO	HYD	4I		
									OXI	3I		
49.72	50.49	0.77	CLY	FG	Light brown-orange clay that lies between quartz feldspar porphyry dyke and granodiorite.							
						LT	OR		CLY	5I		
						LT	BN		OXI	3I		
50.49	67.53	17.04	GRD	MG	Strongly propylitic, weakly silicified, and moderate-weakly oxide stained granodiorite, with strong fracturing. Oxide staining is stronger on fractures, with malachite and hematite present on rare surfaces.							
						MD	BN	RB	PRO	3I		
						MD	GY	FR	OXI	3I		
						MD	OR		SIL	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
67.53	69.09	1.56	GRD	MG	Light green silicified, chloritized granodiorite with strong bleaching and earthy hematite on some fractures.							
						MD	RD		CLY	3I		
						LT	GN	RX	SIL	3I		
									HEM	2I		
									CHL	3I		
69.09	77.62	8.53	GRD	MG	Light green chloritized/silicified/bleached granodiorite with patches lacking bleaching. Cut by white quartz-carbonate veining hosting earthy hematite and trace disseminated pyrite.							
						MD	GN		BLE	4I	Py	0.1
						LT	GN	RX	CHL	2I	He	0.1
									CLY	1I		
									SIL	3I		
77.62	83.01	5.39	GRD	MG	Moderate-strongly chloritized granodiorite with moderate silicified overprint. There is trace disseminated hematite near fractures.							
						MD	GN	RX	PRO	3I	He	0.1
						MD	RD		HEM	2I		
						LT	GN	PA	SIL	3I		
83.01	89.84	6.83	GRD	MG	Phyllic and argillic halos around white quartz-carbonate veining, with pervasive bleaching and pemi-pervasive clay alteration stemming from gouge seams.							
						LT	WH	ZO	PRO	1I		
						LT	GN	PA	PHC	3I		
									CHL	2I		
									CLY	2I		
									ARG	3I		
89.84	106.73	16.89	GRD	MG	Moderate-strongly chloritized granodiorite with moderate silicified overprint. There is trace disseminated hematite near fractures. Cut by quartz-carbonate-pyrite veining with narrow phyllic halos.							
						MD	RD	RX	PRO	3I		
						MD	GN	PA	SIL	3I	Py	0.1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	GN	ZO	PHC	2I	He	0.1
									CHL	2I		
									HEM	1I		
106.73	111.72	4.99	GRD	MG	Zone of moderately silicified phyllic-argillic halos on quartz-carbonate-rhodochrosite veining. Recovery is fractured.							
						LT	GN	RX	ARG	2I	Py	0.1
								ZO	PHC	4I		
									SIL	3I		
111.72	118.61	6.89	GRD	MG	Silicified, chloritized granodiorite with limited patches of hematization. Cut by aplite dyke.							
						MD	RD	PA	CHL	4I		
						MD	GN	MO	HEM	1I		
								RX	SIL	3I		
118.61	120.62	2.01	GRD	MG	Bleached, weakly argillic granodiorite with chloritic alteration.							
						LT	GN		BLE	3I		
						LT	WH		CHL	2I		
									ARG	2I		
120.62	215.17	94.55	GRD	MG	Silicified, chloritized granodiorite with limited patches of hematization.							
						MD	RD	RX	CHL	4I		
						MD	GN	MO	SIL	3I		
									HEM	1I		
215.17	222.99	7.82	GRD	MG	Pervasive weak-moderate clay alteration overprints phyllic/chloritic/hematitic granodiorite. Recovery has extensive clay, but is intact. Most segments will break easily. Red hematite staining stems outwards from some veins/fractures. All veins are reduced to gouge.							
						MD	RD		HEM	2I		
						LT	GY		PHC	3I	He	0.5
						LT	GN		CLY	3I		
									CHL	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
222.99	226.26	3.27	GRD	MG	Pervasive moderate-strong silicification overprints moderate phyllic and chloritic alterations. Cut by few carbonate-chlorite veinlets with red hematite.							
						MD	RD		PHC	3I		
						LT	GN	RX	SIL	3I		
									CHL	2I		
226.26	236.68	10.42	GRD	MG	Return to typical alteration style. Granodiorite has patchy weak propylitic-potassic alteration, cut by aplite dykelets and quartz-carbonate veinlets. Quartz-carbonate veining has proximal phyllic and distal argillic halos.							
						MD	GY	PA	PRO	2I		
						MD	PK		POT	2I		
						MD	GN		PHC	2I		
						LT	GN		ARG	2I		
									SIL	2I		
236.68	237.35	0.67	GRD	MG	Silicified phyllic halo around quartz-carbonate-chlorite veining.							
						LT	GN	RX	SIL	2I		
									PHC	3I		
237.35	246.35	9.00	GRD	MG	Granodiorite with patchy weak propylitic, potassic, and silicification.							
						MD	GN	RX	POT	2I		
						MD	GY	PA	PRO	2I		
						LT	PK		SIL	2I		
246.35	250.15	3.80	GRD	MG	Overlapping proximal phyllic and distal argillic vein halos with patchy propylitic and potassic overprints. Weak hematite staining in the lower section. Cut by banded-crustiform veining with quartz-carbonate-tan ankerite-chalcedony.							
						MD	GN	ZO	ARG	2I		
						MD	RD		PRO	2I		
						LT	GN	PA	PHC	3I		
									HEM	1I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
250.15	319.31	69.16	GRD	MG	Granodiorite with patches of weak-trace propylitic and potassic alteration, cut by few white quartz-carbonate-chlorite veinlets, most of which are barren or host trace disseminated pyrite. Granodiorite also hosts mafic xenoliths. There are also occasional patches of silicification, evidenced by quartz eyes/recrystallization textures.							
						MD	GY	PA	PRO	2I		
						MD	GN		POT	2I		
						LT	PK		SIL	3I		
319.31	320.31	1.00	GRD	MG	Zoned proximal phyllic and distal argillic halo around quartz-carbonate veining, with weak potassic/propylitic overprint.							
						MD	GN		POT	1I		
						LT	WH	ZO	ARG	3I		
						LT	GN	MO	PHC	3I	Py	0.5
						LT	PK		PRO	1I		
320.31	321.75	1.44	GRD	MG	Granodiorite with trace propylitic overprint.							
						MD	GN		SIL	1I		
						MD	GY		PRO	1I		
321.75	323.29	1.54	GRD	MG	Zoned proximal phyllic and distal argillic halo around quartz-carbonate veining, with weak potassic/propylitic overprint.							
						MD	GN	ZO	PHC	2I	Sp	0.1
						LT	GN	PA	ARG	3I	Py	0.5
						LT	WH	MO	PRO	2I		
						LT	PK		POT	1I		
323.29	328.37	5.08	GRD	MG	Granodiorite with patchy weak-trace propylitic and silicification, with hematite and chlorite on few fractures. Cut by a narrow quartz-carbonate-pyrite vein with zoned proximal phyllic and distal argillic halo.							
						MD	GN	ZO	SIL	2I		
						MD	GY	PA	PRO	2I	Py	0.1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	GN		ARG	1I		
						LT	WH		PHC	1I		
328.37	329.11	0.74	GRD	MG	Zoned proximal phyllic and distal argillic halo around quartz-carbonate veining, with weak potassic/propylitic overprint.							
						MD	GN		ARG	1I	Mg	0.1
						LT	GN	ZO	PHC	3I	Py	0.1
									PRO	2I		
									SIL	2I		
329.11	330.21	1.10	GRD	MG	Granodiorite with narrow phyllic-propylitic patches.							
						MD	GY	PA	PRO	2I		
						MD	GN		PHC	2I		
						LT	GN		SIL	2I		
330.21	335.47	5.26	GRD	MG	Zoned proximal phyllic and distal argillic halo around quartz-carbonate veining, with weak potassic/propylitic overprint.							
						MD	GN		PHC	4I	As	0.1
						LT	GN	PA	ARG	2I	Py	0.1
									SIL	2I	Sp	0.1
									PRO	2I		
335.47	336.74	1.27	GRD	MG	Wide argillic halo with potassic and propylitic overprints.							
						MD	PK	PA	PRO	2I		
						LT	WH	MO	ARG	3I		
									POT	2I		
336.74	339.47	2.73	GRD	MG	Argillic and pervasive chloritic altered granodiorite with fracturing and hematite along fractures.							
						MD	GN	MO	ARG	2I		
						MD	RD	FR	HEM	2I		
						LT	WH	PA	CHL	3I		
									PRO	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
339.47	342.07	2.60	GRD	MG	Zoned proximal phyllic and distal argillic halo around quartz-carbonate veining, with weak potassic/propylitic overprint.							
						MD	GN		PRO	2I		
						LT	WH	ZO	PHC	3I	Sp	0.1
						LT	GN	PA	ARG	2I	Py	0.1
						LT	PK	MO	POT	2I		
									SIL	2I		
342.07	354.21	12.14	GRD	MG	Granodiorite with patches of chloritic, propylitic, potassic, silicification, and proximal phyllic and distal argillic halos on minor veining. Some argillic patches are crumbled. Chlorite and clay are common on fractures.							
						MD	GY	PA	ARG	2I	Py	0.1
						MD	GN		PRO	1I		
						LT	GN		POT	1I		
						LT	PK		PHC	1I		
						LT	WH		SIL	2I		
									CHL	3I		
354.21	355.81	1.60	GRD	MG	Zoned proximal phyllic and distal argillic halo around quartz-carbonate vein, with moderate chloritic and weak potassic/propylitic overprint.							
						MD	GN	PA	CHL	3I	Py	0.1
						LT	GN	ZO	PHC	2I	Sp	0.1
						LT	WH	MO	PRO	2I	Gn	0.1
						LT	PK		SIL	1I	As	0.1
									ARG	2I		
									POT	1I		
355.81	367.65	11.84	GRD	MG	Granodiorite with patches of chloritic, propylitic, potassic, silicification, and proximal phyllic and distal argillic halos on minor veining. Some argillic patches are crumbled. Chlorite and clay are common on fractures.							
						MD	GY	PA	ARG	2I		
						MD	GN	MO	PRO	1I		
						LT	GN		POT	1I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	PK		PHC	1I		
						LT	WH		SIL	2I		
									CHL	3I		
367.65	368.07	0.42	VEN	MG	Outer vein zone mineralization: White massive quartz hosting massive pyrite and chalcopyrite.							
						MD	BR	MA			Py	30
						LT	WH				Cp	5
368.07	368.47	0.40	VEN	MG	Major BRX hanging wall vein. White carbonate-tan ankerite brecciate grey quartz. Grey quartz hosts pyrite and honey brown sphalerite. Carbonates carry galena, honey brown sphalerite, and arsenopyrite. Some quartz clasts are rimmed by arsenopyrite, pyrite, and honey brown sphalerite. Carbonates are vuggy. Pyrite, honey brown sphalerite, and arsenopyrite are often intergrown in large masses, while galena is limited to a single band.							
						MD	BR	BX	PHC	4I	Gn	5
						LT	GN	VU			As	8
						DK	GY	BN			Sp	10
								XL			Py	10
368.47	369.91	1.44	VEN	MG	Outer vein zone mineralization: White massive quartz hosting massive pyrite and chalcopyrite.							
						MD	BR				Cp	1
						LT	WH	MA			Py	25
369.91	370.25	0.34	QFP	FG	Light tan-green hydrothermally altered quartz feldspar porphyry dyke, with a chilled top margin.							
						LT	TN	RX				
						LT	GN	PO	HYD	4I		
370.25	370.51	0.26	BXA	FG	Narrow breccia of mineralized smoky quartz vein clasts are supported by a green-grey quartz feldspar porphyry dyke matrix. Clasts are netted by white carbonate veinlets/stringers.							
						LT	GN	BX	HYD	4I	Py	0.5
						LT	GY					
370.51	372.05	1.54	QFP	FG	Maroon quartz feldspar porphyry dyke that has lighter tan borders.							
						LT	TN	RX				

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						DK	MR	PO	HYD	4I		
372.05	372.44	0.39	VEN	MG	Rubbly, broken quartz dominated BRX footwall vein. White quartz vein hosts blebby pyrite, chalcopyrite, and arsenopyrite, but is crumbled and rubbly. In some places, recovery is a coarse quartz sand.							
						MD	GY				As	1
						MD	BR				Cp	1
						LT	WH	PB			Py	3
372.44	373.77	1.33	GRD	MG	Moderately phyllic altered granodiorite with patches of trace disseminated pyrite in groundmass.							
						LT	GN		PHC	3I	Py	0.1
373.77	377.13	3.36	QFP	FG	Medium tan quartz feldspar porphyry dyke with strong hydrothermal alteration. Thin gouge seams at contacts.							
						MD	TN	PO	HYD	4I		
								RX				
377.13	386.88	9.75	GRD	MG	Granodiorite with patches of chloritic, propylitic, potassic, hematitic, silicification, and proximal phyllic and distal argillic halos on minor veining.							
						MD	RD		HEM	2I		
						MD	GN		PRO	2I		
						LT	WH	ZO	ARG	3I		
						LT	GN	PA	PHC	2I		
						LT	PK	MO	POT	2I		
									SIL	1I		
386.88	392.73	5.85	GRD	MG	Phyllic granodiorite that has been gouged and silicified, with patches of propylitic/hematite alteration. Cut by grey quartz-chalcedony veins and low angle quartz-carbonate-chlorite veins.							
						MD	GN		SIL	3I		
						MD	RD		PRO	2I		
						LT	GN	RX	PHC	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
									HEM	2I		
392.73	398.81	6.08	GRD	MG	Argillic altered and bleached granodiorite, overprinted by pervasive weak potassic and patchy trace propylitic. Patches of reddish hematite staining near ends of the interval.							
						MD	RD		HEM	2I		
						LT	WH	PA	ARG	3I		
						LT	GN	MO	PRO	1I		
						LT	PK		POT	2I		
398.81	399.71	0.90	GRD	MG	Phyllic granodiorite that has been gouged and silicified, with patches of propylitic/hematite alteration. Cut by dark grey-smoky quartz-carbonate veins with pyrite.							
						MD	GN		SIL	4I		
						LT	GN	RX	PHC	3I	Py	0.1
399.71	410.69	10.98	GRD	MG	Granodiorite with patches of propylitic, potassic, silicification, and proximal narrow propylitic and distal argillic halos on minor veining.							
						MD	GN	MO	PRO	2I		
						LT	PK	ZO	POT	3I		
						LT	WH	PA	ARG	3I	Py	0.1
410.69	423.15	12.46	GRD	MG	Fresh granodiorite with patches of weak propylitic and potassic alteration. Cut by few quartz-carbonate-pyrite veins with narrow propylitic halos.							
						MD	GY	PA	PRO	1I	Py	0.1
						MD	GN		POT	1I		
						LT	PK					
423.15	425.01	1.86	GRD	MG	Propylitic halo around quartz-carbonate-pyrite veinlets.							
						MD	GN		PRO	3I	Py	0.1
									SIL	2I		
425.01	425.81	0.80	GRD	MG	Fresh granodiorite.							
						MD	GY					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
3.50	7.87	4.37	OVB	FG	Light brown sandy overburden, with boulders of fresh granodiorite.							
						LT	BN		OXI	3I		
						MD	GY					
7.87	46.92	39.05	OVB	MG	Coarser, fully weathered and oxidized granodiorite. Almost all of recovery is entirely altered to clay with intense oxide staining. Occasionally, boulders are encountered. Colouration varies in shades of brown and orange.							
						DK	BN					
						LT	BN		OXI	5I		
						LT	OR		CLY	5I		
						MD	BN					
						MD	OR					
46.92	49.72	2.80	QFP	FG	Maroon quartz feldspar porphyry dyke with strong pervasive clay alteration and short of competent core.							
									OXI	3I		
						LT	BN	PO	HYD	4I		
						MD	MR	CR	CLY	4I		
49.72	50.49	0.77	CLY	FG	Light brown-orange clay that lies between quartz feldspar porphyry dyke and granodiorite.							
						LT	OR		CLY	5I		
						LT	BN		OXI	3I		
50.49	67.53	17.04	GRD	MG	Strongly propylitic, chloritized, weakly silicified, and moderate-weakly oxide stained granodiorite, with strong fracturing. There are patches of bleaching. Oxide staining is stronger on fractures, with malachite and hematite present on rare surfaces. Recovery becomes more competent below 54m depth.							
						MD	GY	FR	OXI	3I		
						MD	BN	RB	PRO	3I		
						MD	OR		SIL	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
67.53	215.17	147.64	GRD	MG	Granodiorite dominated by pervasive moderate-strong chloritization and silicification, with patchy hematite. Hematite is typically limited to areas around fracturing. No oxide staining present. Bleaching is stronger around veining, found with phyllic and propylitic alteration. Veining is generally white quartz-carbonate with limited pyrite.							
						LT	GN	PA	SIL	3I	He	0.1
						MD	GN	RX	PHC	2I	Py	0.1
						MD	RD		CHL	4I		
									PRO	2I		
									BLE	3I		
215.17	222.99	7.82	GRD	MG	Pervasive weak-moderate clay alteration overprints phyllic/chloritic/hematitic granodiorite. Recovery has extensive clay, but is intact. Most segments will break easily. Red hematite staining stems outwards from some veins/fractures. All veins are reduced to gouge.							
						MD	RD		HEM	2I		
									CHL	2I		
						LT	GY		PHC	3I	He	0.5
						LT	GN		CLY	3I		
222.99	226.26	3.27	GRD	MG	Pervasive moderate-strong silicification overprints moderate phyllic and chloritic alterations. Cut by few carbonate-chlorite veinlets with red hematite.							
						LT	GN	RX	SIL	3I		
						MD	RD		PHC	3I		
									CHL	2I		
226.26	319.31	93.05	GRD	MG	Return to typical alteration style. Granodiorite has patchy weak propylitic-potassic alteration, cut by aplite dykelets and quartz-carbonate veinlets. Quartz-carbonate veining has proximal phyllic and distal argillic halos.							
						MD	GY	PA	PRO	2I		
									SIL	2I		
						LT	GN		ARG	2I		
						MD	PK		POT	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GN		PHC	2I		
319.31	342.07	22.76	GRD	MG	Minor bonus vein zone, consisting of several siginificant polymetallic quartz-carbonate-tan ankerite-rhodochrosite veins. These veins have zoned proximal phyllic and distal argillic halos. There is often a weak propylitic and potassic overprint on halos.							
						MD	GY		SIL	2I		
						MD	GN		POT	1I	As	0.1
						LT	WH	PA	ARG	2I	Py	0.5
						LT	PK	ZO	PHC	3I	Sp	0.1
						LT	GN	MO	PRO	2I	Gn	0.1
342.07	367.65	25.58	GRD	MG	Granodiorite with patches of chloritic, propylitic, potassic, silicification, and proximal phyllic and distal argillic halos on minor veining. Some argillic patches are crumbled. Chlorite and clay are common on fractures.							
						MD	GN		PRO	1I		
						LT	WH		SIL	2I		
						MD	GY	PA	ARG	2I	Py	0.1
						LT	PK		PHC	1I		
									CHL	3I		
						LT	GN		POT	1I		
367.65	369.91	2.26	VEN	MG	BRX Hanging Wall Vein Zone, with one major polymetallic vein flanked by two distal veins. Major vein hosts galena, honey brown sphalerite, pyrite, arsenopyrite, and is carried by carbonate and quartz. Halo veins are massive quartz and pyrite with semimassive chalcopyrite. Each vein is separated by less than 5cm strong phyllic granodiorite.							
						LT	WH	MA	PHC	4I	Py	11
						MD	BR	BX			Cp	1
						MD	GY	XL			Sp	2
						LT	GN				As	2
											Gn	0.5

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
369.91	372.05	2.14	QFP	FG	Strongly hydrothermally altered light green-dark maroon quartz feldspar porphyry dyke with contacts against BRX vein zones.							
						LT	TN	PO	HYD	4I		
						DK	MR	RX				
372.05	372.44	0.39	VEN	MG	Rubbly, broken quartz dominated BRX footwall vein. White quartz vein hosts blebby pyrite, chalcopyrite, and arsenopyrite, but is crumbled and rubbly. In some places, recovery is a coarse quartz sand.							
						MD	GY				As	1
						MD	BR				Cp	1
						LT	WH	PB			Py	3
372.44	373.77	1.33	GRD	MG	Moderately phyllic altered granodiorite with patches of trace disseminated pyrite in groundmass.							
						LT	GN		PHC	3I	Py	0.1
373.77	377.13	3.36	QFP	FG	Medium tan quartz feldspar porphyry dyke with strong hydrothermal alteration. Thin gouge seams at contacts.							
						MD	TN	PO	HYD	4I		
								RX				
377.13	386.88	9.75	GRD	MG	Granodiorite with patches of chloritic, propylitic, potassic, hematitic, silicification, and proximal phyllic and distal argillic halos on minor veining.							
									SIL	1I		
						LT	WH	ZO	ARG	3I		
						LT	PK	MO	POT	2I		
						MD	RD		HEM	2I		
						MD	GN		PRO	2I		
						LT	GN	PA	PHC	2I		
386.88	392.73	5.85	GRD	MG	Phyllic granodiorite that has been gouged and silicified, with patches of propylitic/hematite alteration. Cut by grey quartz-chalcedony veins and low angle quartz-carbonate-chlorite veins.							
									HEM	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	RD		PRO	2I		
						MD	GN		SIL	3I		
						LT	GN	RX	PHC	3I		
392.73	398.81	6.08	GRD	MG	Argillic altered and bleached granodiorite, overprinted by pervasive weak potassic and patchy trace propylitic. Patches of reddish hematite staining near ends of the interval.							
						MD	RD		HEM	2I		
						LT	WH	PA	ARG	3I		
						LT	PK		POT	2I		
						LT	GN	MO	PRO	1I		
398.81	399.71	0.90	GRD	MG	Phyllic granodiorite that has been gouged and silicified, with patches of propylitic/hematite alteration. Cut by dark grey-smoky quartz-carbonate veins with pyrite.							
						LT	GN	RX	PHC	3I	Py	0.1
						MD	GN		SIL	4I		
399.71	410.69	10.98	GRD	MG	Granodiorite with patches of propylitic, potassic, silicification, and proximal narrow propylitic and distal argillic halos on minor veining.							
						LT	WH	PA	ARG	3I	Py	0.1
						LT	PK	ZO	POT	3I		
						MD	GN	MO	PRO	2I		
410.69	425.81	15.12	GRD	MG	Fresh granodiorite with patches of weak propylitic and potassic alteration. Cut by few quartz-carbonate-pyrite veins with narrow propylitic halos.							
						MD	GY	PA	PRO	1I	Py	0.1
						MD	GN		POT	1I		
						LT	PK					

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
0.00	3.50	3.50	0	0	0.00	0	--	--	--	Casing
3.50	5.18	1.68	1.68	100	0.28	17	--	2H	4W	
5.18	8.23	3.05	2.82	92	0.00	0	--	2H	4W	
8.23	11.28	3.05	2.48	81	0.13	4	--	2H	4W	
11.28	14.33	3.05	2.16	71	0.00	0	--	2H	3W	
14.33	17.37	3.04	2.93	96	0.00	0	--	2H	3W	
17.37	20.42	3.05	2.96	97	0.00	0	--	2H	3W	
20.42	23.47	3.05	2.94	96	0.00	0	--	2H	3W	
23.47	26.52	3.05	3.02	99	0.11	4	--	2H	3W	
26.52	29.57	3.05	3.04	100	0.00	0	--	2H	3W	
29.57	32.61	3.04	3.04	100	0.00	0	--	2H	3W	
32.61	35.66	3.05	2.89	95	0.00	0	--	2H	3W	
35.66	38.71	3.05	3.05	100	0.00	0	--	2H	3W	
38.71	41.76	3.05	3.05	100	0.00	0	--	2H	3W	
41.76	44.81	3.05	2.89	95	0.00	0	--	2H	3W	
44.81	47.85	3.04	2.99	98	0.00	0	--	2H	3W	
47.85	50.90	3.05	3.04	100	0.68	22	--	3H	2W	
50.90	53.95	3.05	2.87	94	0.53	17	--	3H	2W	
53.95	57.00	3.05	3.05	100	0.92	30	--	4H	2W	
57.00	60.05	3.05	2.9	95	1.88	62	--	4H	2W	
60.05	63.09	3.04	3.04	100	0.75	25	--	4H	2W	
63.09	66.14	3.05	3.05	100	2.11	69	--	4H	2W	
66.14	69.19	3.05	3.05	100	1.99	65	--	4H	1W	
69.19	72.24	3.05	3.05	100	1.90	62	--	4H	1W	
72.24	75.29	3.05	3	98	2.32	76	--	4H	1W	
75.29	78.33	3.04	2.98	98	2.06	68	--	3H	1W	
78.33	81.38	3.05	2.96	97	1.61	53	--	4H	1W	
81.38	84.43	3.05	3.02	99	0.73	24	--	3H	1W	
84.43	87.48	3.05	3.02	99	2.12	70	--	3H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
87.48	90.53	3.05	3.05	100	1.39	46	--	3H	1W	
90.53	93.57	3.04	2.93	96	1.78	59	--	3H	1W	
93.57	96.62	3.05	3.05	100	1.06	35	--	4H	1W	
96.62	99.67	3.05	3.05	100	1.81	59	--	4H	1W	
99.67	102.72	3.05	3.05	100	1.99	65	--	3H	1W	
102.72	105.76	3.04	3.03	100	1.98	65	--	4H	1W	
105.76	108.81	3.05	3.04	100	1.36	45	--	4H	1W	
108.81	111.86	3.05	3.05	100	1.59	52	--	3H	1W	
111.86	114.91	3.05	3.05	100	2.18	71	--	4H	1W	
114.91	117.96	3.05	3.05	100	2.06	68	--	4H	1W	
117.96	121.00	3.04	3.04	100	1.82	60	--	3H	1W	
121.00	124.05	3.05	3.05	100	2.23	73	--	4H	1W	
124.05	127.10	3.05	2.99	98	2.40	79	--	4H	1W	
127.10	130.15	3.05	3.01	99	1.45	48	--	4H	1W	
130.15	133.20	3.05	2.88	94	2.51	82	--	4H	1W	
133.20	136.25	3.05	2.9	95	2.73	90	--	4H	1W	
136.25	139.29	3.04	3.01	99	2.39	79	--	4H	1W	
139.29	142.34	3.05	3.05	100	1.07	35	--	3H	1W	
142.34	145.39	3.05	2.81	92	1.63	53	--	3H	1W	
145.39	148.44	3.05	3.05	100	1.44	47	--	3H	1W	
148.44	151.49	3.05	3.03	99	1.66	54	--	3H	1W	
151.49	154.53	3.04	3.04	100	2.08	68	--	3H	1W	
154.53	157.58	3.05	3.05	100	2.33	76	--	3H	1W	
157.58	160.63	3.05	2.78	91	1.90	62	--	4H	1W	
160.63	163.68	3.05	3.05	100	1.30	43	--	4H	1W	
163.68	166.73	3.05	3.05	100	1.17	38	--	3H	1W	
166.73	169.77	3.04	3.04	100	1.55	51	--	4H	1W	
169.77	172.82	3.05	2.95	97	1.29	42	--	4H	1W	
172.82	175.87	3.05	3.05	100	1.28	42	--	4H	1W	
175.87	178.92	3.05	3.03	99	1.38	45	--	4H	1W	
178.92	181.97	3.05	2.76	90	2.03	67	--	4H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
181.97	185.01	3.04	2.97	98	1.63	54	--	4H	1W	
185.01	188.06	3.05	2.82	92	1.22	40	--	4H	1W	
188.06	191.11	3.05	3.05	100	1.53	50	--	4H	1W	
191.11	194.16	3.05	3.05	100	2.30	75	--	4H	1W	
194.16	197.21	3.05	2.98	98	1.64	54	--	4H	1W	
197.21	200.25	3.04	2.93	96	2.05	67	--	4H	1W	
200.25	203.30	3.05	3.05	100	2.32	76	--	3H	1W	
203.30	206.35	3.05	3	98	1.54	50	--	4H	1W	
206.35	209.40	3.05	3.05	100	2.66	87	--	3H	1W	
209.40	212.45	3.05	3.05	100	1.24	41	--	3H	1W	
212.45	215.49	3.04	3.04	100	1.12	37	--	3H	1W	
215.49	218.54	3.05	3.01	99	2.30	75	--	3H	1W	
218.54	221.59	3.05	3.05	100	1.79	59	--	3H	1W	
221.59	224.64	3.05	2.97	97	2.48	81	--	3H	1W	
224.64	227.69	3.05	3.05	100	1.39	46	--	3H	1W	
227.69	230.73	3.04	3.04	100	2.11	69	--	3H	1W	
230.73	233.78	3.05	2.78	91	2.70	89	--	4H	1W	
233.78	236.83	3.05	3.05	100	2.36	77	--	4H	1W	
236.83	239.88	3.05	3.04	100	2.08	68	--	4H	1W	
239.88	242.93	3.05	3.05	100	2.60	85	--	5H	1W	
242.93	245.97	3.04	3.04	100	2.96	97	--	5H	1W	
245.97	249.02	3.05	3.01	99	2.35	77	--	4H	1W	
249.02	252.07	3.05	3.05	100	2.75	90	--	4H	1W	
252.07	255.12	3.05	3	98	2.52	83	--	5H	1W	
255.12	258.17	3.05	3.02	99	1.79	59	--	4H	1W	
258.17	261.21	3.04	3.02	99	2.82	93	--	5H	1W	
261.21	264.26	3.05	3.05	100	1.88	62	--	5H	1W	
264.26	267.31	3.05	3.04	100	2.80	92	--	4H	1W	
267.31	270.36	3.05	2.97	97	2.15	70	--	4H	1W	
270.36	273.41	3.05	3.04	100	1.45	48	--	4H	1W	
273.41	276.45	3.04	3.04	100	0.55	18	--	4H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
276.45	279.50	3.05	2.89	95	1.87	61	--	4H	1W	
279.50	282.55	3.05	3.03	99	2.49	82	--	5H	1W	
282.55	285.60	3.05	3.02	99	2.33	76	--	5H	1W	
285.60	288.65	3.05	3.01	99	2.86	94	--	5H	1W	
288.65	291.69	3.04	3.04	100	2.94	97	--	4H	1W	
291.69	294.74	3.05	3.05	100	2.97	97	--	5H	1W	
294.74	297.79	3.05	3	98	2.76	90	--	5H	1W	
297.79	300.84	3.05	3.02	99	2.97	97	--	5H	1W	
300.84	303.89	3.05	3.04	100	2.99	98	--	4H	1W	
303.89	306.93	3.04	3.04	100	2.88	95	--	5H	1W	
306.93	309.98	3.05	3.01	99	2.84	93	--	5H	1W	
309.98	313.03	3.05	2.91	95	2.02	66	--	5H	1W	
313.03	316.08	3.05	3.05	100	2.64	87	--	4H	1W	
316.08	319.13	3.05	3.05	100	2.54	83	--	5H	1W	
319.13	322.17	3.04	2.98	98	2.40	79	--	4H	1W	
322.17	325.22	3.05	2.97	97	2.68	88	--	4H	1W	
325.22	328.27	3.05	3.02	99	2.73	90	--	4H	1W	
328.27	331.32	3.05	3.05	100	2.78	91	--	4H	1W	
331.32	334.37	3.05	3.05	100	2.69	88	--	4H	1W	
334.37	337.41	3.04	3.01	99	2.56	84	--	3H	1W	
337.41	340.46	3.05	2.96	97	1.72	56	--	3H	1W	
340.46	343.51	3.05	3	98	2.21	72	--	4H	1W	
343.51	346.56	3.05	3.01	99	1.89	62	--	4H	1W	
346.56	349.61	3.05	3.05	100	1.90	62	--	4H	1W	
349.61	352.65	3.04	3.04	100	1.76	58	--	4H	1W	
352.65	355.70	3.05	3.04	100	2.21	72	--	3H	1W	
355.70	358.75	3.05	3.02	99	1.32	43	--	3H	1W	
358.75	361.80	3.05	2.96	97	1.78	58	--	3H	1W	
361.80	364.85	3.05	2.99	98	1.55	51	--	3H	1W	
364.85	367.89	3.04	2.94	97	2.01	66	--	4H	1W	
367.89	370.94	3.05	3.05	100	1.82	60	--	3H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
370.94	373.99	3.05	2.83	93	0.70	23	--	3H	1W	
373.99	377.04	3.05	2.99	98	0.42	14	--	3H	1W	
377.04	380.09	3.05	3.03	99	2.47	81	--	3H	1W	
380.09	383.13	3.04	3.04	100	2.60	86	--	3H	1W	
383.13	386.18	3.05	3.03	99	1.71	56	--	3H	1W	
386.18	389.23	3.05	3.05	100	1.82	60	--	3H	1W	
389.23	392.28	3.05	3.02	99	2.01	66	--	3H	1W	
392.28	395.33	3.05	3.05	100	2.51	82	--	3H	1W	
395.33	398.37	3.04	2.97	98	2.38	78	--	3H	1W	
398.37	401.42	3.05	3.03	99	2.36	77	--	3H	1W	
401.42	404.47	3.05	3.05	100	3.03	99	--	3H	1W	
404.47	407.52	3.05	3.05	100	2.88	94	--	3H	1W	
407.52	410.57	3.05	3.04	100	3.00	98	--	3H	1W	
410.57	413.61	3.04	3.04	100	3.04	100	--	4H	1W	
413.61	416.66	3.05	3	98	3.00	98	--	4H	1W	
416.66	419.71	3.05	3.03	99	2.88	94	--	4H	1W	
419.71	422.76	3.05	3.05	100	2.67	88	--	4H	1W	
422.76	425.81	3.05	3.04	100	2.65	87	--	4H	1W	

KL-15-274

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
0.00	0.00	0.00	-QC-	0.00	0	K289505	☐	15-093		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K289516	☐	15-093			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K289529	☐	15-093			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K289533	☐	15-093		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K289548	☐	15-102		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K289558	☐	15-102		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K289561	☐	15-102			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K289570	☐	15-102			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K289583	☐	15-103		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R499421	☐	15-130	HG		☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K289497	☐	15-091		KL-STD4	☐	☐	☐
16.37	19.38	3.01	OVB	2.92	97	K289493	☐	15-091			☐	☐	☐
19.38	21.18	1.80	OVB	1.69	94	K289494	☐	15-091			☐	☐	☐
30.71	31.84	1.13	OVB	1.00	88	K289495	☐	15-091			☐	☐	☐
31.84	33.55	1.71	OVB	1.52	89	K289496	☐	15-091			☐	☐	☐
33.55	35.00	1.45	OVB	1.17	81	K289498	☐	15-091			☐	☐	☐
53.95	54.85	0.90	GRD	0.77	86	K289499	☐	15-091			☐	☐	☐
54.85	55.68	0.83	GRD	0.81	98	K289500	☐	15-091			☐	☐	☐
71.29	72.55	1.26	GRD	1.26	100	K289501	☐	15-091			☐	☐	☐
72.55	74.96	2.41	GRD	2.35	98	K289502	☐	15-091			☐	☐	☐
74.96	77.47	2.51	GRD	2.47	98	K289503	☐	15-093			☐	☐	☐
77.47	80.01	2.54	GRD	2.36	93	K289504	☐	15-093			☐	☐	☐
80.01	83.01	3.00	GRD	2.87	96	K289506	☐	15-093			☐	☐	☐
83.01	83.75	0.74	GRD	0.74	100	K289507	☐	15-093			☐	☐	☐
83.75	84.67	0.92	GRD	0.84	91	K289508	☐	15-093			☐	☐	☐
83.75	84.67	0.92	GRD	0.84	91	K289509	☐	15-093			☐	☑	☐
84.67	85.58	0.91	GRD	0.90	99	K289510	☐	15-093			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
85.58	88.28	2.70	GRD	2.55	94	K289511	☐	15-093			☐	☐	☐
88.28	89.67	1.39	GRD	1.25	90	K289512	☐	15-093			☐	☐	☐
88.28	89.67	1.39	GRD	1.25	90	K289513	☐	15-093			☐	☐	☑
99.55	100.31	0.76	GRD	0.73	96	K289514	☐	15-093			☐	☐	☐
107.87	108.17	0.30	GRD	0.26	87	K289515	☐	15-093			☐	☐	☐
108.17	109.31	1.14	GRD	1.05	92	K289517	☐	15-093			☐	☐	☐
109.31	110.18	0.87	GRD	0.80	92	K289518	☐	15-093			☐	☐	☐
215.49	218.54	3.05	GRD	2.78	91	K289519	☐	15-093			☐	☐	☐
218.54	220.30	1.76	GRD	1.67	95	K289520	☐	15-093			☐	☐	☐
220.30	221.26	0.96	GRD	0.83	86	K289521	☐	15-093			☐	☐	☐
221.26	222.99	1.73	GRD	1.48	86	K289522	☐	15-093			☐	☐	☐
245.85	248.08	2.23	GRD	1.65	74	K289523	☐	15-093			☐	☐	☐
248.08	249.02	0.94	GRD	0.93	99	K289524	☐	15-093			☐	☐	☐
300.27	300.69	0.42	GRD	0.30	71	K289525	☐	15-093			☐	☐	☐
300.69	301.92	1.23	GRD	1.23	100	K289526	☐	15-093			☐	☐	☐
318.47	319.59	1.12	GRD	1.12	100	K289527	☐	15-093			☐	☐	☐
319.59	319.89	0.30	GRD	0.30	100	K289528	☐	15-093			☐	☐	☐
319.89	321.86	1.97	GRD	1.80	91	K289530	☐	15-093			☐	☐	☐
321.86	322.17	0.31	GRD	0.31	100	K289531	☐	15-093			☐	☐	☐
322.17	323.11	0.94	GRD	0.94	100	K289532	☐	15-093			☐	☐	☐
323.11	325.22	2.11	GRD	2.00	95	K289534	☐	15-093			☐	☐	☐
325.22	326.75	1.53	GRD	1.41	92	K289535	☐	15-093			☐	☐	☐
326.75	327.09	0.34	GRD	0.34	100	K289536	☐	15-093			☐	☐	☐
327.09	328.61	1.52	GRD	1.52	100	K289537	☐	15-093			☐	☐	☐
328.61	329.01	0.40	GRD	0.31	78	K289538	☐	15-093			☐	☐	☐
329.01	330.21	1.20	GRD	1.19	99	K289539	☐	15-102			☐	☐	☐
330.21	331.85	1.64	GRD	1.64	100	K289540	☐	15-102			☐	☐	☐
330.21	331.85	1.64	GRD	1.64	100	K289541	☐	15-102			☐	☐	☑

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
331.85	332.25	0.40	GRD	0.38	95	K289542	☐	15-102			☐	☐	☐
332.25	333.75	1.50	GRD	1.50	100	K289543	☐	15-102			☐	☐	☐
333.75	335.06	1.31	GRD	1.31	100	K289544	☐	15-102			☐	☐	☐
333.75	335.06	1.31	GRD	1.31	100	K289545	☐	15-102			☐	☑	☐
335.06	335.36	0.30	GRD	0.30	100	K289546	☐	15-102			☐	☐	☐
335.36	337.57	2.21	GRD	2.14	97	K289547	☐	15-102			☐	☐	☐
337.57	340.57	3.00	GRD	2.71	90	K289549	☐	15-102			☐	☐	☐
340.57	340.87	0.30	GRD	0.30	100	K289550	☐	15-102			☐	☐	☐
340.87	342.17	1.30	GRD	1.18	91	K289551	☐	15-102			☐	☐	☐
353.08	354.24	1.16	GRD	1.03	89	K289552	☐	15-102			☐	☐	☐
354.24	354.54	0.30	GRD	0.30	100	K289553	☐	15-102			☐	☐	☐
354.54	355.81	1.27	GRD	1.19	94	K289554	☐	15-102			☐	☐	☐
365.99	367.25	1.26	GRD	1.22	97	K289555	☐	15-102			☐	☐	☐
367.25	367.65	0.40	GRD	0.34	85	K289556	☐	15-102			☐	☐	☐
367.65	368.07	0.42	GRD, VEN	0.40	95	R499419	☐	15-130	HG		☐	☐	☐
368.07	368.47	0.40	VEN	0.40	100	R499420	☐	15-130	HG		☐	☐	☐
368.47	368.91	0.44	VEN	0.43	98	R499422	☐	15-130	HG		☐	☐	☐
368.91	369.53	0.62	VEN	0.59	95	K289557	☐	15-102			☐	☐	☐
369.53	370.25	0.72	VEN	0.68	94	K289559	☐	15-102			☐	☐	☐
370.25	370.57	0.32	QFP	0.32	100	K289560	☐	15-102			☐	☐	☐
370.57	370.94	0.37	QFP	0.37	100	K289562	☐	15-102			☐	☐	☐
370.94	371.53	0.59	QFP	0.58	98	K289563	☐	15-102			☐	☐	☐
371.53	371.96	0.43	QFP	0.43	100	K289564	☐	15-102			☐	☐	☐
371.96	372.44	0.48	QFP	0.28	58	R499423	☐	15-130	HG		☐	☐	☐
372.44	372.85	0.41	VEN, GRD	0.38	93	K289565	☐	15-102			☐	☐	☐
372.85	373.77	0.92	GRD	0.77	84	K289566	☐	15-102			☐	☐	☐
373.77	376.82	3.05	QFP, GRD	2.96	97	K289567	☐	15-102			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
376.82	377.13	0.31	QFP	0.31	100	K289568	☐	15-102			☐	☐	☐
377.13	377.43	0.30	QFP, GRD	0.29	97	K289569	☐	15-102			☐	☐	☐
377.43	378.50	1.07	GRD	1.07	100	K289571	☐	15-102			☐	☐	☐
378.50	380.09	1.59	GRD	1.52	96	K289572	☐	15-102			☐	☐	☐
380.09	380.91	0.82	GRD	0.79	96	K289573	☐	15-102			☐	☐	☐
380.91	383.13	2.22	GRD	2.22	100	K289574	☐	15-102			☐	☐	☐
383.13	384.27	1.14	GRD	1.14	100	K289575	☐	15-103			☐	☐	☐
384.27	384.64	0.37	GRD	0.37	100	K289576	☐	15-103			☐	☐	☐
384.64	386.88	2.24	GRD	2.12	95	K289577	☐	15-103			☐	☐	☐
386.88	387.92	1.04	GRD, GRD	1.03	99	K289578	☐	15-103			☐	☐	☐
386.88	387.92	1.04	GRD, GRD	1.03	99	K289579	☐	15-103			☐	☑	☐
387.92	389.23	1.31	GRD	1.22	93	K289580	☐	15-103			☐	☐	☐
389.23	392.28	3.05	GRD	2.87	94	K289581	☐	15-103			☐	☐	☐
392.28	395.33	3.05	GRD	3.03	99	K289582	☐	15-103			☐	☐	☐
395.33	397.51	2.18	GRD	2.16	99	K289584	☐	15-103			☐	☐	☐
397.51	398.81	1.30	GRD	1.14	88	K289585	☐	15-103			☐	☐	☐
398.81	399.72	0.91	GRD, GRD	0.91	100	K289586	☐	15-103			☐	☐	☐
399.72	401.42	1.70	GRD	1.59	94	K289587	☐	15-103			☐	☐	☐
401.42	404.47	3.05	GRD	3.05	100	K289588	☐	15-103			☐	☐	☐
401.42	404.47	3.05	GRD	3.05	100	K289589	☐	15-103			☐	☐	☑
404.47	407.23	2.76	GRD	2.76	100	K289590	☐	15-103			☐	☐	☐
407.23	410.28	3.05	GRD	3.05	100	K289591	☐	15-103			☐	☐	☐

Klaza - Klaza Project

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		382576	6890342	1358.95	438

ZONE: Central Klaza

SECTION:

HOLE: KL-15-275

CLAIM:

Contractor: Platinum

Drill: 2

Core Size: HQ

Casing Depth: 5.09m, Out

Drilling Dates: Jul 28 - Aug 01, 2015

Geology Logged By: D. Walsh

SURVEY			
Depth (m)	Azimuth	Dip	Method
11.27	32.9	-49.9	Reflex
437.99	40.5	-49.1	Reflex

TARGET:

SUMMARY			
From (m)	To (m)	Interval (m)	Rock Type
0	5.09	5.09	CAS
5.09	19.26	14.17	GRD
19.26	35.66	16.4	GRD
35.66	81.05	45.39	GRD
81.05	210.42	129.37	GRD
210.42	225.9	15.48	GRD
225.9	236.08	10.18	GRD
236.08	242.22	6.14	GRD
242.22	254.95	12.73	GRD
254.95	260.48	5.53	GRD
260.48	271.7	11.22	GRD
271.7	281.35	9.65	QFP
281.35	284.54	3.19	GRD
284.54	285.38	0.84	QFP
285.38	300.49	15.11	GRD
300.49	301.3	0.81	QFP

SAMPLES	
Numbers:	M675832 to M676000, R499424 to R499432
Total:	178
Batch:	098, 100, 101, 104, 105, 106, 130
Certificates:	WH15117166, WH15117168, WH15117169, WH15117171, WH15119556, WH15119557, WH15123453, WH15123508, WH15129592

COMMENTS

301.3	304.81	3.51	GRD
304.81	305.29	0.48	QFP
305.29	312	6.71	GRD
312	323.88	11.88	QFP
323.88	326.11	2.23	GRD
326.11	368.03	41.92	GRD
368.03	372.18	4.15	GRD
372.18	375.5	3.32	GRD
375.5	419.63	44.13	GRD
419.63	424.82	5.19	QFP
424.82	427.03	2.21	GRD
427.03	438	10.97	GRD

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
5.09	19.26	14.17	GRD	MG	Trace to moderately argillic altered granodiorite with a trace to weak potassic/propyllitic overprint. Rock competency decrease with increased argillic alteration forming rubble zones. Moderate oxidation along fractures surfaces with pervasive moderate to strong oxidation throughout moderately argillic altered patches. Sporadic small patches of unaltered granodiorite.							
						MD	OR		ARG	1I		
						MD	GY		PRO	1I		
						LT	OR	PA	ARG	1I		
						LT	GY		ARG	3I		
						LT	WH		PRO	2I		
									POT	1I		
									POT	2I		
									OXI	3I		
									OXI	4I		
19.26	21.45	2.19	GRD	MG	Primarily unaltered granodiorite. Moderate oxidation along fracture surfaces.							
						MD	GY					
						MD	OR					
						LT	GY	PA	OXI	3I		
21.45	22.30	0.85	GRD	MG	Rubbly weakly pervasively oxidized weak to moderate argillic altered granodiorite.							
						MD	OR		ARG	2I		
						LT	WH	RB	ARG	3I		
									OXI	3I		
22.30	25.49	3.19	GRD	MG	Primarily unaltered granodiorite. Moderate oxidation along fracture surfaces.							
						MD	OR					
						MD	GY					
						LT	GY		OXI	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
25.49	28.22	2.73	GRD	MG	Alternating patches of oxidized moderate argillic/weak potassic alteration and pervasively strongly oxidized weak phyllic/propyllitic(?) alteration. Oxidation obscures rock textures.							
						MD	GN		PRO	2I		
						MD	OR		ARG	3I		
						MD	PK		OXI	4I		
						LT	WH	PA	OXI	3I		
									POT	2I		
									PHC	2I		
28.22	29.90	1.68	GRD	MG	Primarily unaltered granodiorite. Moderate oxidation along fracture surfaces.							
						MD	GY					
						MD	OR					
						LT	GY		OXI	3I		
29.90	31.08	1.18	GRD	MG	Pervasively moderately oxidized moderately argillic altered granodiorite.							
						MD	OR		OXI	3I		
						LT	OR		ARG	3I		
31.08	35.66	4.58	GRD	MG	Primarily unaltered granodiorite. Moderate oxidation along fracture surfaces.							
						MD	GY					
						MD	OR					
						LT	GY		OXI	3I		
35.66	51.31	15.65	GRD	MG	Unaltered granodiorite with weak to moderate oxidation along fracture surfaces. Oxidation intensity decreases with depth. Occasional quartz/carbonate vein/veinlet with a moderate phyllic envelope.							
						MD	GY					
						MD	OR					
						LT	GY		OXI	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
51.31	53.45	2.14	GRD	MG	Silicified weak propyllitic/ weak to moderate phyllic altered granodiorite. Hosts a strongly oxidized and rubbly quartz/carbonate vein. Strong oxidation along fracture surfaces and pervasive proximal to vein.							
						MD	GN					
						MD	OR					
						DK	GN					
53.45	65.53	12.08	GRD	MG	Unaltered granodiorite with weak to moderate oxidation along fracture surfaces. Oxidation intensity decreases with depth.							
						MD	GY		OXI	2I		
						MD	OR					
						LT	GY		OXI	3I		
65.53	66.75	1.22	GRD	MG	Moderatly potassic/argillic altered granodiorite.							
						MD	PK		POT	3I		
						LT	WH		ARG	3I		
66.75	74.57	7.82	GRD	MG	Unaltered granodiorite with weak t oxidation along fracture surfaces. Hosts a higher abundance of quartz/carbonate+/-sulphide veins and veinlets with small to medium sized moderate phyllic envelopes. Oxidation intensity decreases with depth.							
						MD	GY		OXI	3I		
						MD	OR					
						LT	GY		PHC	3I		
						LT	GN					
74.57	81.05	6.48	GRD	MG	Moderate phyllic/propyllitic altered granodiorite with patchy weak argillic/potassic alteration and weak propyllitic alteration. Hosts multiple quartz/carbonate/sulphide veins.							
						MD	GN		PRO	3I		
						LT	GN	PA	PHC	3I		
						LT	WH		POT	2I		
						DK	GN		ARG	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
81.05	82.38	1.33	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite.							
						MD	PK		POT	1I		
						MD	GY		PRO	1I		
						DK	GN		PRO	2I		
									POT	2I		
82.38	86.06	3.68	GRD	MG	Proximal phyllic alteration around veining transitioning to distal phyllic overprinted moderate argillic/weal potassic alteration. Veining is primarily quartz/carbonate+/- sulphides and spaced throughout the interval. Small quartz/sulphide veins zone in the center of the interval has a strong phyllic halo and hosts disseminated pyrite.							
						MD	GN		PHC	2I		
						MD	PK		POT	2I		
						LT	GN	EN	PHC	3I		
						LT	WH		ARG	3I		
86.06	89.49	3.43	GRD	MG	Moderate phyllic alteration around carbonate veining. Transitioning to distal weak potassic/moderate argillic alteration distally from veining.							
						MD	PK					
						MD	GN		ARG	3I		
						LT	GN	EN	PHC	3I		
						LT	WH		POT	2I		
89.49	98.26	8.77	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite.							
						MD	PK		POT	1I		
						MD	GY		PRO	1I		
						DK	GN		PRO	2I		
									POT	2I		
98.26	102.38	4.12	GRD	MG	Three medium sized moderate phyllic envelopes around quartz/carbonate/sulphide veining. Envelopes are separated by moderate argillic/weak potassic alteration.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GN	EN	PHC	3I		
						MD	PK					
						LT	GN		ARG	3I		
						LT	WH		POT	2I		
102.38	112.17	9.79	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite.							
						MD	PK		POT	1I		
						MD	GY		PRO	1I		
						DK	GN		PRO	2I		
									POT	2I		
112.17	114.29	2.12	GRD	MG	Two moderate phyllic/weak propyllitic alteration envelopes separated by moderate argillic/potassic/weak propyllitic alteration. Phyllic envelopes hosts quartz/carbonate/sulphide veining.							
						MD	GN		PRO	2I		
						MD	PK		POT	3I		
						LT	GN	EN	PHC	3I		
						LT	WH		ARG	3I		
114.29	118.52	4.23	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite.							
						MD	PK		POT	1I		
						MD	GY		PRO	1I		
						DK	GN		PRO	2I		
									POT	2I		
118.52	126.59	8.07	GRD	MG	Two spaced out medium sized moderate phyllic envelopes surrounded by moderate argillic/potassic alteration. The first envelopes hosts a large smoky quartz breccia and the second host a quartz/carbonate/sulphide vein.							
						MD	PK		POT	3I		
						LT	WH	EN	ARG	3I		
						LT	GN		PHC	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
126.59	128.84	2.25	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite.							
						MD	GY		PRO	1I		
						MD	PK		POT	1I		
						DK	GN		PRO	2I		
									POT	2I		
128.84	132.88	4.04	GRD	MG	Moderate argillic/potassic and weakly propyllitic altered granodiorite.							
						MD	PK		ARG	3I		
						LT	WH		POT	3I		
						DK	GN		PRO	2I		
132.88	141.36	8.48	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite.							
						MD	GY		PRO	1I		
						MD	PK		POT	1I		
						DK	GN		PRO	2I		
									POT	2I		
141.36	145.60	4.24	GRD	MG	Moderate argillic/potassic and weakly propyllitic altered granodiorite.							
						MD	PK		ARG	3I		
						LT	WH		POT	3I		
						DK	GN		PRO	2I		
145.60	147.15	1.55	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite.							
						MD	PK		POT	1I		
						MD	GY		PRO	1I		
						DK	GN		PRO	2I		
									POT	2I		
147.15	148.22	1.07	GRD	MG	Moderate phyllic envelope around two polymetallic quartz/sulphide veins. Phyllic alteration transitions to moderate argillic/weak potassic alteration distally from veining.							
						MD	GN		ARG	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	PK					
						LT	GN	EN	PHC	3I		
						LT	WH		POT	2I		
148.22	149.44	1.22	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite.							
						MD	PK		POT	1I		
						MD	GY		PRO	1I		
						DK	GN		PRO	2I		
									POT	2I		
149.44	150.89	1.45	GRD	MG	Moderate phyllic altered granodiorite hosting multiple quartz/carbonate/sulphide veins.							
						MD	GN					
						LT	GN	EN	PHC	3I		
150.89	151.19	0.30	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite.							
						MD	GY		PRO	1I		
						MD	PK		POT	1I		
						DK	GN		PRO	2I		
									POT	2I		
151.19	152.56	1.37	GRD	MG	Moderate phyllic envelope around a large polymetallic quartz/carbonate/sulphide vein. Phyllic alteration transition to moderate argillic/weak potassic alteration distally from vein.							
						MD	GN					
						LT	GN	EN	PHC	3I		
152.56	163.75	11.19	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite.							
						MD	PK		POT	1I		
						MD	GY		PRO	1I		
						DK	GN		PRO	2I		
									POT	2I		
163.75	164.34	0.59	GRD	MG	Weak to moderate phyllic envelope surrounding two quartz/carbonate/sulphide veins.							
						MD	GN		PHC	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	GN	EN	PHC	2I		
164.34	186.60	22.26	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite.							
						MD	PK		POT	1I		
						MD	GY		PRO	1I		
						DK	GN		PRO	2I		
									POT	2I		
186.60	188.30	1.70	GRD	MG	Weak to moderate phyllic/propyllitic altered granodiorite.							
						MD	GN		PHC	2I		
									PHC	3I		
									PRO	2I		
									PRO	3I		
188.30	205.74	17.44	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite.							
						MD	PK		POT	1I		
						MD	GY		PRO	1I		
						DK	GN		PRO	2I		
									POT	2I		
205.74	208.08	2.34	GRD	MG	Weak to moderate propyllitic/phyllic altered granodiorite. Hosts a few quartz/carbonate veins.							
						MD	GN	EN	PRO	3I		
						LT	GN		PRO	2I		
									PHC	3I		
									PHC	2I		
208.08	210.42	2.34	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite.							
						MD	GY		PRO	1I		
						MD	PK		POT	1I		
						DK	GN		PRO	2I		
									POT	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
210.42	225.90	15.48	GRD	MG	Silicified moderate phyllic and weak propyllitic altered granodiorite. Hosts multiple spaced out quartz/carbonate/sulphide veins and barren carbonate veins. Occasional small patches of trace to weak propyllitic/potassic altered granodiorite separating spaced out phyllic envelopes.							
						MD	GN		PHC	3I		
						LT	GN		PRO	2I		
						DK	GN		SIL	3I		
225.90	234.18	8.28	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite.Occasional quartz/carbonate veins/veinlets with moderate phyllic envelopes.							
						MD	GY		PRO	1I		
						MD	PK		POT	1I		
						DK	GN		PRO	2I		
									POT	2I		
234.18	235.29	1.11	GRD	MG	Small phyllic envelope around a quartz/carbonate vein. Phyllic alteration transitions to weak argillic/potassic/propyllitic alteration distally from vein.							
						MD	PK		POT	2I		
						LT	WH	EN	PRO	2I		
						DK	GN		ARG	2I		
235.29	236.08	0.79	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite.							
						MD	PK		POT	1I		
						MD	GY		PRO	1I		
						DK	GN		PRO	2I		
									POT	2I		
236.08	239.61	3.53	GRD	MG	Moderate phyllic envelopes around quartz/carbonate/sulphide veining. Phyllic alteration transitions to moderate argillic/potassic alteration distally from veining.							
						MD	GN		ARG	3I		
						MD	PK					
						LT	GN	EN	PHC	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	WH		POT	3I		
239.61	242.22	2.61	GRD	MG	Moderate phyllic altered granodiorite hosting a moderate sized polymetallic quartz/carbonate/sulphide vein and a few barren carbonate veins.							
						MD	GN					
						LT	GN	EN	PHC	3I		
242.22	254.95	12.73	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite. Occasional quartz/carbonate veins/veinlets with small moderate phyllic envelopes.							
						MD	GY		PRO	1I		
						MD	PK		POT	1I		
						DK	GN		PRO	2I		
									POT	2I		
260.48	271.35	10.87	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite.							
						MD	GY		PRO	1I		
						MD	PK		POT	1I		
						DK	GN		PRO	2I		
									POT	2I		
271.35	271.70	0.35	GRD	MG	Moderate propyllitic/phyllic altered granodiorite hosting minor quartz/pyrite veining.							
						MD	GN		PRO	3I		
						LT	GN		PHC	3I		
						DK	GN					
271.70	274.74	3.04	QFP	MG	Quartz feldspar porphyry dyke with alternating patches of light grey/tan colored and medium grey/purple coloured dyke.							
						MD	GY					
						MD	PU					
						LT	TN	PO				
						LT	GY	PA				

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
274.74	275.20	0.46	GRD	MG	Polymictic breccia with pebble sized sub-angular to sub-rounded clast of light grey green quartz feldspar porphyry dyke, phyllic altered granodiorite and quartz/pyrite vein. Dark grey quartz matrix hosts disseminated to blebby pyrite.							
						DK	GY	BX			Py	1
281.35	284.54	3.19	GRD	MG	Weak to moderate propyllitic/potassic altered granodiorite. Small patch of weak argillic/potassic/propyllitic in the center of the interval. Hosts sporadic barren carbonate veinlets.							
						MD	PK		POT	2I		
						MD	GY		PRO	3I		
						DK	GN		POT	3I		
									PRO	2I		
284.54	285.38	0.84	GRD	MG	Light to medium grey/green silicified quartz feldspar porphyry dyke. Lower half of the dyke hosts disseminated pyrite and an abundance of quartz/carbonate/sulphide veinlets and stringers.							
						MD	GY					
						MD	GN					
						LT	GY		SIL	4I	Py	0.1
						LT	GN					
285.38	287.03	1.65	GRD	MG	Moderate phyllic envelope surrounding a moderately sized quartz/carbonate/sulphide vein. Phyllic alteration transitions to distal argillic/potassic alteration. Patch of moderate phyllic alteration at dyke contact.							
						MD	GN	EN	PHC	3I		
						MD	PK		POT	2I		
						LT	WH					
						LT	GN		ARG	3I		
287.03	289.58	2.55	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite.							
						MD	PK		POT	1I		
						MD	GY		PRO	1I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						DK	GN		PRO	2I		
									POT	2I		
289.58	292.02	2.44	GRD	MG	Weak phyllic altered granodiorite with patchy weak argillic/potassic alterations. Host multiple black breccia veins.							
						MD	PK		ARG	2I		
						LT	GN	PA	PHC	2I		
						LT	WH		POT	2I		
292.02	298.26	6.24	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite.							
									PRO	1I		
									POT	2I		
									POT	1I		
									PRO	2I		
298.26	300.49	2.23	GRD	MG	Weak propyllitic/phyllic altered granodiorite.							
						MD	GN		PHC	2I		
						LT	GN		PRO	2I		
						DK	GN					
300.49	301.30	0.81	QFP	FG	Light gre quartz feldspar porphyry dyke.							
						LT	GY					
301.30	304.81	3.51	GRD	MG	Weak to moderately phyllic altered granodiorite with patchy weak propyllitic alteration.							
						MD	GN		PHC	2I		
						LT	GN		PHC	3I		
						DK	GN					
304.81	305.29	0.48	QFP	FG	Light orange and medium red quartz feldspar porphyry dyke.							
						MD	RD					
						LT	OR					
305.29	307.30	2.01	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite.							
						MD	GY		PRO	1I		
						MD	PK		POT	2I		
						DK	GN		PRO	2I		
									POT	1I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
307.30	308.44	1.14	GRD	MG	Moderate phyllic envelope around a quartz/pyrite vein. Phyllic alteration transitions to potassic/argillic alteration distally from vein.							
						MD	PK					
						MD	GN		PRO	3I		
						LT	GN	EN	PHC	3I		
						LT	WH		POT	3I		
308.44	312.00	3.56	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite.							
						MD	GY		PRO	1I		
						MD	PK		POT	2I		
						DK	GN		PRO	2I		
									POT	1I		
312.00	323.88	11.88	QFP	FG	Quartz feldspar porphyry dyke with alternating patched of light tan, medium grey/green and medium grey/purple color.							
						MD	PU					
						MD	GY					
						MD	GN					
						LT	TN	PA				
323.88	326.11	2.23	GRD	MG	Moderate phyllic alteration transitioning to argillic/potassic alteration distally from dyke contact.							
						MD	PK					
						MD	GN		ARG	3I		
						LT	WH		POT	3I		
						LT	GN		PHC	3I		
326.11	332.94	6.83	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite.							
						MD	GY		PRO	1I		
						MD	PK		PRO	2I		
						DK	GN		POT	2I		
									POT	1I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
332.94	337.19	4.25	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite. Higher abundance of quartz/carbonate veinlets with moderate phyllic envelopes with distal argillic alteration.							
						MD	GY	EN	PHC	3I		
						MD	PK		ARG	2I		
						LT	GN		POT	2I		
						LT	WH		POT	1I		
						DK	GN		PRO	2I		
									PRO	1I		
337.19	347.83	10.64	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite.							
						MD	GY		PRO	1I		
						MD	PK		PRO	2I		
						DK	GN		POT	2I		
									POT	1I		
348.31	357.68	9.37	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite.							
						MD	GY		PRO	1I		
						MD	PK		PRO	2I		
						DK	GN		POT	2I		
									POT	1I		
357.68	359.13	1.45	GRD	MG	Moderate phyllic altered granodiorite hosting a few quartz/carbonate/pyrite veins.							
						LT	GN	EN	PHC	3I		
359.13	360.09	0.96	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite.							
						MD	GY		PRO	1I		
						MD	PK		PRO	2I		
						DK	GN		POT	2I		
									POT	1I		
360.83	368.03	7.20	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite.							
						MD	GY		PRO	1I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	PK		PRO	2I		
						DK	GN		POT	2I		
									POT	1I		
368.03	372.18	4.15	GRD	MG	Central Klaza vein zone. Silicified strongly phyllic altered granodiorite. Hosts and abundance of polymetallic quartz/carbonate/sulphide veins and breccias. Phyllic altered granodiorite hosts disseminated pyrite.							
						LT	GN		PHC	4I	Py	0.1
						LT	GY					
						DK	GY					
372.18	375.50	3.32	GRD	MG	Moderate phyllic altered granodiorite with patchy weak propyllitic alteration. Hosts a few carbonate+/-quartz veins and veinlets.							
						MD	GN		PRO	2I		
						LT	GN		PHC	3I		
						DK	GN					
375.50	402.00	26.50	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite. Has sporadic patches of weak argillic alteration.							
						MD	GY		PRO	1I		
						MD	PK		PRO	2I		
						DK	GN		POT	2I		
									POT	1I		
402.47	418.90	16.43	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite. Has sporadic patches of weak argillic alteration.							
						MD	GY		PRO	1I		
						MD	PK		PRO	2I		
						DK	GN		POT	2I		
									POT	1I		
418.90	419.63	0.73	GRD	MG	Weak to moderately phyllic/propyllitic altered granodiorite.							
						MD	GN		PHC	2I		
						LT	GN		PHC	3I		
									PRO	3I		
									PRO	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
419.63	424.33	4.70	QFP	FG	Grey/tan quartz feldspar porphyry dyke.							
						MD	GY					
						LT	GY	PO				
						LT	TN					
424.33	424.66	0.33	GRD	MG	Silicified strongly phyllic altered granodiorite hosting a polymetallic quartz/sulphide breccia. Phyllic altered granodiorite hosts disseminated pyrite.							
						MD	GY		PHC	4I		
						LT	GY	BX	SIL	3I	Py	1
						LT	GN					
424.66	424.82	0.16	QFP	FG	Grey/tan quartz feldspar porphyry dyke.							
						MD	GY					
						LT	GY					
						LT	TN					
424.82	427.03	2.21	GRD	MG	Moderately phyllic altered granodiorite with patchy propyllitic alteration. Hosts a few quartz/pyrite veins.							
						MD	GN		PRO	2I		
						LT	GN		PHC	3I		
						DK	GN					
427.03	438.00	10.97	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite with weak phyllic envelopes around the occasional quartz/carbonate veinlet.							
						MD	GY		PRO	1I		
						MD	PK		POT	1I		
						DK	GN		PRO	2I		
									POT	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
5.09	19.26	14.17	GRD	MG	Trace to moderately argillic altered granodiorite with a trace to weak potassic/propyllitic overprint. Rock competency decrease with increased argillic alteration forming rubble zones. Moderate oxidation along fractures surfaces with pervasive moderate to strong oxidation throughout moderately argillic altered patches. Sporadic small patches of unaltered granodiorite.				OXI	4I		
						LT	OR	PA	ARG	1I		
						MD	OR		ARG	1I		
						LT	GY		ARG	3I		
						MD	GY		PRO	1I		
						LT	WH		PRO	2I		
									POT	1I		
									POT	2I		
									OXI	3I		
19.26	35.66	16.40	GRD	MG	Primarily unaltered granodiorite with patches of moderate argillic/weak potassic alteration. Moderate oxidation along fracture surfaces. Argillic patches are less competent and more pervasively oxidized.							
						LT	WH					
						MD	OR		OXI	3I		
						MD	GY		POT	2I		
						LT	GY	PA	ARG	3I		
35.66	81.05	45.39	GRD	MG	Unaltered granodiorite with weak to moderate oxidation along fracture surfaces. Oxidation intensity decreases with depth. Occasional quartz/carbonate veins/veinlets with moderate phyllic envelopes.							
						LT	GY		OXI	3I		
						MD	OR					
						MD	GY		OXI	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
81.05	210.42	129.37	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite. Occasional quartz/carbonate veins/veinlets with moderate phyllic envelopes with or without distal argillic alteration and sporadic patches of argillic potassic alteration.							
						MD	PK		POT	1I		
									POT	2I		
						DK	GN		PRO	2I		
						MD	GY		PRO	1I		
210.42	225.90	15.48	GRD	MG	Silicified moderate phyllic and weak propyllitic altered granodiorite. Hosts multiple spaced out quartz/carbonate/sulphide veins and barren carbonate veins. Occasional small patches of trace to weak propyllitic/potassic altered granodiorite separating spaced out phyllic envelopes.							
						MD	GN		PHC	3I		
						DK	GN		SIL	3I		
						LT	GN		PRO	2I		
225.90	236.08	10.18	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite. Occasional quartz/carbonate veins/veinlets with moderate phyllic envelopes with distal argillic alteration.							
									POT	2I		
						DK	GN		PRO	2I		
						MD	PK		POT	1I		
						MD	GY		PRO	1I		
236.08	242.22	6.14	GRD	MG	Two moderate phyllic envelopes around quartz/carbonate/sulphide veining. Phyllic alteration transitions to moderate argillic/potassic alteration distally from veining. Lower large phyllic envelope hosts a medium sized polymetallic quartz/carbonate/sulphide vein.							
						MD	PK					
						LT	GN	EN	PHC	3I		
						MD	GN		ARG	3I		
						LT	WH		POT	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
242.22	254.95	12.73	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite. Occasional quartz/carbonate veins/veinlets with small moderate phyllic envelopes.							
									POT	2I		
						MD	GY		PRO	1I		
						DK	GN		PRO	2I		
						MD	PK		POT	1I		
260.48	271.70	11.22	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite. The last 35cm proximal to dyke contact is moderate propyllitic/phyllic altered granodiorite hosting minor quartz/pyrite veining.							
									POT	2I		
						MD	PK		POT	1I		
						DK	GN		PRO	2I		
						MD	GY		PRO	1I		
271.70	281.35	9.65	QFP	FG	Quartz feldspar porphyry dyke with alternating patches of light grey/tan colored and medium grey/purple coloured dyke. Hosts a mineralized polymictic breccia and small zone of quartz/carbonate/sulphide veining.							
						MD	PU					
						MD	GY					
						LT	TN	PO				
						LT	GY	PA				
281.35	284.54	3.19	GRD	MG	Weak to moderate propyllitic/potassic altered granodiorite. Small patch of weak argillic/potassic/propyllitic in the center of the interval. Hosts sporadic barren carbonate veinlets.							
						MD	PK		POT	2I		
									PRO	2I		
						DK	GN		POT	3I		
						MD	GY		PRO	3I		
284.54	285.38	0.84	QFP	FG	Light to medium grey/green silicified quartz feldspar porphyry dyke. Lower half of the dyke hosts disseminated pyrite and an abundance of quartz/carbonate/sulphide veinlets and stringers.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GN					
						LT	GN					
						LT	GY		SIL	4I	Py	0.1
						MD	GY					
285.38	300.49	15.11	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite. Multiple quartz/carbonate veins or vein zones with moderate phyllic envelopes with or without distal argillic alteration and sporadic patches of argillic potassic alteration.							
						MD	GY		PRO	1I		
						DK	GN		PRO	2I		
									POT	1I		
						MD	PK		POT	2I		
300.49	301.30	0.81	QFP	FG	Light gre quartz feldspar porphyry dyke.							
						LT	GY					
301.30	304.81	3.51	GRD	MG	Weak to moderately phyllic altered granodiorite with patchy weak propyllitic alteration.							
						MD	GN		PHC	2I		
						DK	GN					
						LT	GN		PHC	3I		
304.81	305.29	0.48	QFP	FG	Light orange and medium red quartz feldspar porphyry dyke.							
						LT	OR					
						MD	RD					
305.29	312.00	6.71	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite.							
						MD	GY		PRO	1I		
						DK	GN		PRO	2I		
						MD	PK		POT	2I		
									POT	1I		
312.00	323.88	11.88	QFP	FG	Quartz feldspar porphyry dyke with alternating patched of light tan, medium grey/green and medium grey/purple color.							
						MD	GN					
						MD	PU					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GY					
						LT	TN	PA				
323.88	326.11	2.23	GRD	MG	Moderate phyllic alteration transitioning to argillic/potassic alteration distally from dyke contact.							
						LT	WH		POT	3I		
						MD	GN		ARG	3I		
						MD	PK					
						LT	GN		PHC	3I		
326.11	368.03	41.92	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite. Multiple quartz/carbonate veins or vein zones with moderate phyllic envelopes with or without distal argillic alteration and sporadic patches of argillic potassic alteration.							
									POT	1I		
						DK	GN		POT	2I		
						MD	PK		PRO	2I		
						MD	GY		PRO	1I		
368.03	372.18	4.15	GRD	MG	Central Klaza vein zone. Silicified strongly phyllic altered granodiorite. Hosts and abundance of polymetallic quartz/carbonate/sulphide veins and breccias. Phyllic altered granodiorite hosts disseminated pyrite.							
						DK	GY					
						LT	GY		SIL	3I		
						LT	GN		PHC	4I	Py	0.1
372.18	375.50	3.32	GRD	MG	Moderate phyllic altered granodiorite with patchy weak propyllitic alteration. Hosts a few carbonate+/-quartz veins and veinlets.							
						LT	GN		PHC	3I		
						MD	GN		PRO	2I		
						DK	GN					
375.50	419.63	44.13	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite. Has sporadic patches of weak argillic alteration.							
						DK	GN		POT	2I		
						MD	PK		PRO	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
									POT	1I		
						MD	GY		PRO	1I		
419.63	424.82	5.19	QFP	MG	Grey/tan quartz feldspar porphyry dyke.							
						LT	GY	PO				
						MD	GY					
						LT	TN					
424.82	427.03	2.21	GRD	MG	Moderately phyllic altered granodiorite with patchy propyllitic alteration. Hosts a few quartz/pyrite veins.							
						LT	GN		PHC	3I		
						MD	GN		PRO	2I		
						DK	GN					
427.03	438.00	10.97	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite with weak phyllic envelopes around the occasional quartz/carbonate veinlet.							
						MD	GY		PRO	1I		
						MD	PK		POT	1I		
						DK	GN		PRO	2I		
									POT	2I		

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
0.00	5.09	5.09	0	0	0.00	0	--	--	--	Drill Casing
5.09	8.23	3.14	3.05	97	0.55	18	--	3H	3W	
8.23	11.28	3.05	3.05	100	0.78	26	--	3H	2W	
11.28	14.33	3.05	2.95	97	1.42	47	--	3H	2W	
14.33	17.37	3.04	3	99	1.36	45	--	3H	2W	
17.37	20.42	3.05	3	98	1.60	52	--	3H	2W	
20.42	23.47	3.05	3.02	99	0.76	25	--	3H	2W	
23.47	26.52	3.05	2.96	97	1.54	50	--	3H	2W	
26.52	29.57	3.05	3.05	100	0.90	30	--	3H	2W	
29.57	32.61	3.04	2.87	94	1.81	60	--	3H	2W	
32.61	35.66	3.05	2.96	97	1.58	52	--	3H	2W	
35.66	38.71	3.05	3	98	2.32	76	--	4H	2W	
38.71	41.76	3.05	3.05	100	1.76	58	--	4H	2W	
41.76	44.81	3.05	3.05	100	2.49	82	--	4H	2W	
44.81	47.85	3.04	2.99	98	2.45	81	--	4H	2W	
47.85	50.90	3.05	3.05	100	2.12	70	--	4H	2W	
50.90	53.95	3.05	3.05	100	2.00	66	--	4H	2W	
53.95	57.00	3.05	3.05	100	2.43	80	--	4H	2W	
57.00	60.05	3.05	2.84	93	2.75	90	--	4H	1W	
60.05	63.09	3.04	3.04	100	2.44	80	--	4H	1W	
63.09	66.14	3.05	2.89	95	1.26	41	--	3H	1W	
66.14	69.19	3.05	3	98	2.49	82	--	3H	1W	
69.19	72.24	3.05	3.05	100	2.94	96	--	3H	1W	
72.24	75.29	3.05	3.05	100	2.67	88	--	3H	1W	
75.29	78.33	3.04	3.03	100	2.41	79	--	3H	1W	
78.33	81.38	3.05	3.04	100	2.41	79	--	3H	1W	
81.38	84.43	3.05	3.05	100	2.04	67	--	3H	1W	
84.43	87.48	3.05	3.01	99	2.92	96	--	3H	1W	
87.48	90.53	3.05	3.05	100	2.38	78	--	3H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
90.53	93.57	3.04	3.03	100	2.75	90	--	4H	1W	
93.57	96.62	3.05	3.05	100	2.55	84	--	4H	1W	
96.62	99.67	3.05	3.05	100	1.32	43	--	3H	1W	
99.67	102.72	3.05	3.05	100	2.27	74	--	3H	1W	
102.72	105.77	3.05	2.93	96	1.27	42	--	4H	1W	
105.77	108.81	3.04	2.93	96	1.81	60	--	4H	1W	
108.81	111.86	3.05	3.02	99	2.23	73	--	4H	1W	
111.86	114.91	3.05	2.97	97	2.18	71	--	4H	1W	
114.91	117.96	3.05	3.04	100	2.92	96	--	4H	1W	
117.96	121.01	3.05	3.05	100	2.77	91	--	4H	1W	
121.01	124.05	3.04	3.04	100	2.71	89	--	3H	1W	
124.05	127.10	3.05	3.02	99	2.09	69	--	3H	1W	
127.10	130.15	3.05	3.05	100	2.87	94	--	3H	1W	
130.15	133.20	3.05	3.03	99	2.97	97	--	3H	1W	
133.20	136.25	3.05	3.03	99	2.90	95	--	4H	1W	
136.25	139.29	3.04	3.04	100	2.55	84	--	4H	1W	
139.29	142.34	3.05	2.94	96	2.54	83	--	3H	1W	
142.34	145.39	3.05	3.05	100	2.83	93	--	3H	1W	
145.39	148.44	3.05	3.05	100	2.69	88	--	4H	1W	
148.44	151.49	3.05	3.02	99	2.56	84	--	4H	1W	
151.49	154.53	3.04	3.02	99	2.83	93	--	4H	1W	
154.53	157.58	3.05	3.05	100	3.02	99	--	4H	1W	
157.58	160.62	3.04	3.04	100	3.02	99	--	4H	1W	
160.62	163.67	3.05	3.05	100	3.05	100	--	4H	1W	
163.67	166.72	3.05	3.05	100	3.05	100	--	4H	1W	
166.72	169.77	3.05	3	98	2.69	88	--	4H	1W	
169.77	172.82	3.05	3.01	99	2.94	96	--	4H	1W	
172.82	175.87	3.05	3.05	100	2.44	80	--	4H	1W	
175.87	178.92	3.05	3.05	100	2.90	95	--	4H	1W	
178.92	181.97	3.05	3.01	99	2.53	83	--	4H	1W	
181.97	185.01	3.04	3.02	99	2.43	80	--	4H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
185.01	188.06	3.05	3.05	100	2.21	72	--	3H	1W	
188.06	191.11	3.05	3	98	1.57	51	--	4H	1W	
191.11	194.16	3.05	3.02	99	1.71	56	--	3H	1W	
194.16	197.21	3.05	3.05	100	2.98	98	--	4H	1W	
197.21	200.25	3.04	3.04	100	2.63	87	--	4H	1W	
200.25	203.30	3.05	3.04	100	1.65	54	--	4H	1W	
203.30	206.35	3.05	2.97	97	2.58	85	--	4H	1W	
206.35	209.40	3.05	3.05	100	1.91	63	--	4H	1W	
209.40	212.45	3.05	3.05	100	2.88	94	--	4H	1W	
212.45	215.49	3.04	3.03	100	2.40	79	--	4H	1W	
215.49	218.54	3.05	3.03	99	2.55	84	--	4H	1W	
218.54	221.59	3.05	3.05	100	1.84	60	--	3H	1W	
221.59	224.64	3.05	3.05	100	1.55	51	--	3H	1W	
224.64	227.69	3.05	3.05	100	2.21	72	--	4H	1W	
227.69	230.74	3.05	3.04	100	1.25	41	--	4H	1W	
230.74	233.79	3.05	3.03	99	2.17	71	--	4H	1W	
233.79	236.83	3.04	3.04	100	2.52	83	--	3H	1W	
236.83	239.88	3.05	3.03	99	2.94	96	--	3H	1W	
239.88	242.93	3.05	3.05	100	2.57	84	--	3H	1W	
242.93	245.97	3.04	3.03	100	2.97	98	--	4H	1W	
245.97	249.02	3.05	3.05	100	2.89	95	--	4H	1W	
249.02	252.07	3.05	3.05	100	2.78	91	--	4H	1W	
252.07	255.12	3.05	3.05	100	2.95	97	--	4H	1W	
255.12	258.17	3.05	3.04	100	2.83	93	--	3H	1W	
258.17	261.21	3.04	3.03	100	2.67	88	--	3H	1W	
261.21	264.26	3.05	2.95	97	2.56	84	--	4H	1W	
264.26	267.31	3.05	3.01	99	2.91	95	--	4H	1W	
267.31	270.36	3.05	3.05	100	2.74	90	--	3H	1W	
270.36	273.41	3.05	3.02	99	2.41	79	--	3H	1W	
273.41	276.45	3.04	3	99	2.76	91	--	3H	1W	
276.45	279.50	3.05	3.05	100	2.60	85	--	3H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
279.50	282.55	3.05	2.99	98	2.38	78	--	3H	1W	
282.55	285.60	3.05	3.05	100	2.30	75	--	3H	1W	
285.60	288.65	3.05	3.05	100	2.73	90	--	4H	1W	
288.65	291.69	3.04	3.03	100	2.47	81	--	4H	1W	
291.69	294.74	3.05	3.05	100	2.08	68	--	4H	1W	
294.74	297.79	3.05	3.04	100	1.72	56	--	3H	1W	
297.79	300.84	3.05	2.98	98	2.78	91	--	3H	1W	
300.84	303.89	3.05	2.99	98	2.23	73	--	3H	1W	
303.89	306.93	3.04	3.04	100	2.52	83	--	4H	1W	
306.93	309.98	3.05	2.97	97	2.24	73	--	4H	1W	
309.98	313.03	3.05	3.03	99	1.73	57	--	3H	1W	
313.03	316.08	3.05	2.89	95	0.89	29	--	3H	1W	
316.08	319.13	3.05	2.94	96	1.48	49	--	3H	1W	
319.13	322.17	3.04	3.04	100	2.14	70	--	3H	1W	
322.17	325.22	3.05	2.89	95	1.97	65	--	3H	1W	
325.22	328.27	3.05	3.05	100	2.90	95	--	4H	1W	
328.27	331.32	3.05	3.03	99	2.77	91	--	5H	1W	
331.32	334.37	3.05	3	98	3.00	98	--	4H	1W	
334.37	337.41	3.04	3.04	100	2.97	98	--	4H	1W	
337.41	340.46	3.05	2.97	97	2.95	97	--	4H	1W	
340.46	343.51	3.05	3	98	2.71	89	--	5H	1W	
343.51	346.56	3.05	3.05	100	2.56	84	--	4H	1W	
346.56	349.61	3.05	3.04	100	2.52	83	--	4H	1W	
349.61	352.65	3.04	3.04	100	2.89	95	--	4H	1W	
352.65	355.70	3.05	3.05	100	3.00	98	--	5H	1W	
355.70	358.75	3.05	3.01	99	2.80	92	--	5H	1W	
358.75	361.80	3.05	3.05	100	2.93	96	--	4H	1W	
361.80	364.85	3.05	3.02	99	2.96	97	--	5H	1W	
364.85	367.89	3.04	3.04	100	2.71	89	--	4H	1W	
367.89	370.94	3.05	2.9	95	1.80	59	--	4H	1W	
370.94	373.99	3.05	2.98	98	2.69	88	--	4H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
373.99	377.04	3.05	3.01	99	2.75	90	--	4H	1W	
377.04	380.08	3.04	3.03	100	2.72	89	--	4H	1W	
380.08	383.13	3.05	2.97	97	2.92	96	--	4H	1W	
383.13	386.18	3.05	2.95	97	2.65	87	--	4H	1W	
386.18	389.23	3.05	3.02	99	1.94	64	--	4H	1W	
389.23	392.28	3.05	2.95	97	2.07	68	--	4H	1W	
392.28	395.33	3.05	2.97	97	2.69	88	--	4H	1W	
395.33	398.37	3.04	3.04	100	2.45	81	--	4H	1W	
398.37	401.42	3.05	3.03	99	2.27	74	--	4H	1W	
401.42	404.47	3.05	2.99	98	2.42	79	--	4H	1W	
404.47	407.52	3.05	3.05	100	1.57	51	--	4H	1W	
407.52	410.57	3.05	2.97	97	0.95	31	--	4H	1W	
410.57	413.61	3.04	2.92	96	1.75	58	--	4H	1W	
413.61	416.66	3.05	2.91	95	1.22	40	--	4H	1W	
416.66	419.71	3.05	3.04	100	1.90	62	--	3H	1W	
419.71	422.76	3.05	3.05	100	1.25	41	--	3H	1W	
422.76	425.81	3.05	3.05	100	2.63	86	--	3H	1W	
425.81	428.85	3.04	2.97	98	2.97	98	--	4H	1W	
428.85	431.90	3.05	3.05	100	2.74	90	--	4H	1W	
431.90	434.95	3.05	3.05	100	2.95	97	--	4H	1W	
434.95	438.00	3.05	2.94	96	2.73	90	--	4H	1W	

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
0.00	0.00	0.00	-QC-	0.00	0	M675926	☐	15-104			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R499431	☐	15-130	HG		☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R499425	☐	15-130	HG	KL-STD6	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M675990	☐	15-105			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M675988	☐	15-105		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M675982	☐	15-105			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M675964	☐	15-105		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M675945	☐	15-104		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M675841	☐	15-098			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M675932	☐	15-104		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M675918	☐	15-101		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M675916	☐	15-101			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M675899	☐	15-101		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M675894	☐	15-101			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M675884	☐	15-100			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M675882	☐	15-100		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M675878	☐	15-100			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M675868	☐	15-100		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M675846	☐	15-098		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M675938	☐	15-104			☑	☐	☐
71.68	72.54	0.86	GRD	0.85	99	M675832	☐	15-098			☐	☐	☐
72.54	72.92	0.38	GRD	0.38	100	M675833	☐	15-098			☐	☐	☐
72.92	74.94	2.02	GRD	2.02	100	M675834	☐	15-098			☐	☐	☐
72.92	74.94	2.02	GRD	2.02	100	M675835	☐	15-098			☐	☑	☐
74.94	75.24	0.30	GRD	0.30	100	M675836	☐	15-098			☐	☐	☐
75.24	76.97	1.73	GRD	1.73	100	M675837	☐	15-098			☐	☐	☐
76.97	77.27	0.30	GRD	0.30	100	M675838	☐	15-098			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
77.27	78.33	1.06	GRD	0.75	71	M675839	☐	15-098			☐	☐	☐
78.33	78.70	0.37	GRD	0.37	100	M675840	☐	15-098			☐	☐	☐
78.70	79.32	0.62	GRD	0.62	100	M675842	☐	15-098			☐	☐	☐
79.32	81.07	1.75	GRD	1.63	93	M675843	☐	15-098			☐	☐	☐
81.07	82.70	1.63	GRD	1.62	99	M675844	☐	15-098			☐	☐	☐
82.70	83.58	0.88	GRD	0.88	100	M675845	☐	15-098			☐	☐	☐
83.58	84.01	0.43	GRD	0.40	93	M675847	☐	15-098			☐	☐	☐
84.01	84.81	0.80	GRD	0.78	98	M675848	☐	15-098			☐	☐	☐
84.81	85.22	0.41	GRD	0.41	100	M675849	☐	15-098			☐	☐	☐
85.22	86.04	0.82	GRD	0.82	100	M675850	☐	15-098			☐	☐	☐
86.04	86.94	0.90	GRD	0.86	96	M675851	☐	15-100			☐	☐	☐
86.94	87.24	0.30	GRD	0.30	100	M675852	☐	15-100			☐	☐	☐
97.81	98.56	0.75	GRD	0.71	95	M675853	☐	15-100			☐	☐	☐
98.56	98.95	0.39	GRD	0.39	100	M675854	☐	15-100			☐	☐	☐
98.95	99.77	0.82	GRD	0.82	100	M675855	☐	15-100			☐	☐	☐
99.77	100.45	0.68	GRD	0.68	100	M675856	☐	15-100			☐	☐	☐
99.77	100.45	0.68	GRD	0.68	100	M675857	☐	15-100			☐	☐	☑
100.45	101.08	0.63	GRD	0.63	100	M675858	☐	15-100			☐	☐	☐
101.08	101.74	0.66	GRD	0.58	88	M675859	☐	15-100			☐	☐	☐
111.86	112.51	0.65	GRD	0.65	100	M675860	☐	15-100			☐	☐	☐
112.51	113.21	0.70	GRD	0.70	100	M675861	☐	15-100			☐	☐	☐
113.21	113.82	0.61	GRD	0.61	100	M675862	☐	15-100			☐	☐	☐
113.82	114.33	0.51	GRD	0.46	90	M675863	☐	15-100			☐	☐	☐
114.33	115.25	0.92	GRD	0.92	100	M675864	☐	15-100			☐	☐	☐
115.25	117.96	2.71	GRD	2.67	99	M675865	☐	15-100			☐	☐	☐
117.96	119.08	1.12	GRD	1.12	100	M675866	☐	15-100			☐	☐	☐
119.08	119.49	0.41	GRD	0.41	100	M675867	☐	15-100			☐	☐	☐
119.49	119.79	0.30	GRD	0.30	100	M675869	☐	15-100			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
119.79	120.39	0.60	GRD	0.60	100	M675870	☐	15-100			☐	☐	☐
120.39	121.93	1.54	GRD	1.54	100	M675871	☐	15-100			☐	☐	☐
120.39	121.93	1.54	GRD	1.54	100	M675872	☐	15-100			☐	☑	☐
121.93	123.45	1.52	GRD	1.52	100	M675873	☐	15-100			☐	☐	☐
123.45	123.97	0.52	GRD	0.52	100	M675874	☐	15-100			☐	☐	☐
123.97	124.57	0.60	GRD	0.60	100	M675875	☐	15-100			☐	☐	☐
147.19	147.70	0.51	GRD	0.51	100	M675876	☐	15-100			☐	☐	☐
147.70	148.02	0.32	GRD	0.32	100	M675877	☐	15-100			☐	☐	☐
148.02	149.60	1.58	GRD	1.58	100	M675879	☐	15-100			☐	☐	☐
149.60	150.02	0.42	GRD	0.42	100	M675880	☐	15-100			☐	☐	☐
150.02	150.35	0.33	GRD	0.33	100	M675881	☐	15-100			☐	☐	☐
150.35	150.65	0.30	GRD	0.30	100	M675883	☐	15-100			☐	☐	☐
150.65	151.15	0.50	GRD	0.50	100	M675885	☐	15-100			☐	☐	☐
151.15	152.06	0.91	GRD	0.90	99	M675886	☐	15-100			☐	☐	☐
152.06	152.38	0.32	GRD	0.32	100	M675887	☐	15-101			☐	☐	☐
152.38	152.87	0.49	GRD	0.49	100	M675888	☐	15-101			☐	☐	☐
163.29	163.80	0.51	GRD	0.51	100	M675889	☐	15-101			☐	☐	☐
163.80	164.10	0.30	GRD	0.30	100	M675890	☐	15-101			☐	☐	☐
164.10	164.60	0.50	GRD	0.50	100	M675891	☐	15-101			☐	☐	☐
192.48	193.00	0.52	GRD	0.52	100	M675892	☐	15-101			☐	☐	☐
193.00	193.30	0.30	GRD	0.30	100	M675893	☐	15-101			☐	☐	☐
193.30	194.41	1.11	GRD	1.11	100	M675895	☐	15-101			☐	☐	☐
194.41	194.83	0.42	GRD	0.42	100	M675896	☐	15-101			☐	☐	☐
194.83	195.34	0.51	GRD	0.51	100	M675897	☐	15-101			☐	☐	☐
210.43	210.93	0.50	GRD	0.50	100	M675898	☐	15-101			☐	☐	☐
210.93	211.46	0.53	GRD	0.48	91	M675900	☐	15-101			☐	☐	☐
211.46	212.45	0.99	GRD	0.99	100	M675901	☐	15-101			☐	☐	☐
212.45	212.89	0.44	GRD	0.44	100	M675902	☐	15-101			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
212.89	214.47	1.58	GRD	1.57	99	M675903	☐	15-101			☐	☐	☐
214.47	215.27	0.80	GRD	0.80	100	M675904	☐	15-101			☐	☐	☐
214.47	215.27	0.80	GRD	0.80	100	M675905	☐	15-101			☐	☐	☑
215.27	215.81	0.54	GRD	0.54	100	M675906	☐	15-101			☐	☐	☐
215.81	216.83	1.02	GRD	1.02	100	M675907	☐	15-101			☐	☐	☐
216.83	217.96	1.13	GRD	1.13	100	M675908	☐	15-101			☐	☐	☐
217.96	219.40	1.44	GRD	1.44	100	M675909	☐	15-101			☐	☐	☐
219.40	220.53	1.13	GRD	1.10	97	M675910	☐	15-101			☐	☐	☐
219.40	220.53	1.13	GRD	1.10	97	M675911	☐	15-101			☐	☑	☐
220.53	222.92	2.39	GRD	2.39	100	M675912	☐	15-101			☐	☐	☐
222.92	223.64	0.72	GRD	0.72	100	M675913	☐	15-101			☐	☐	☐
223.64	224.64	1.00	GRD	1.00	100	M675914	☐	15-101			☐	☐	☐
224.64	225.26	0.62	GRD	0.62	100	M675915	☐	15-101			☐	☐	☐
225.26	225.90	0.64	GRD	0.64	100	M675917	☐	15-101			☐	☐	☐
225.90	226.49	0.59	GRD, GRD	0.59	100	M675919	☐	15-101			☐	☐	☐
226.49	227.03	0.54	GRD	0.54	100	M675920	☐	15-101			☐	☐	☐
236.83	237.46	0.63	GRD	0.61	97	M675921	☐	15-101			☐	☐	☐
237.46	237.76	0.30	GRD	0.30	100	M675922	☐	15-101			☐	☐	☐
237.76	239.62	1.86	GRD	1.83	98	M675923	☐	15-104			☐	☐	☐
239.62	240.14	0.52	GRD	0.48	92	M675924	☐	15-104			☐	☐	☐
240.14	240.44	0.30	GRD	0.30	100	M675925	☐	15-104			☐	☐	☐
240.44	241.70	1.26	GRD	1.16	92	M675927	☐	15-104			☐	☐	☐
241.70	242.10	0.40	GRD	0.40	100	M675928	☐	15-104			☐	☐	☐
242.10	242.61	0.51	GRD	0.51	100	M675929	☐	15-104			☐	☐	☐
254.77	255.31	0.54	GRD	0.53	98	M675930	☐	15-104			☐	☐	☐
255.31	256.07	0.76	GRD	0.76	100	M675931	☐	15-104			☐	☐	☐
256.07	256.70	0.63	GRD	0.62	98	M675933	☐	15-104			☐	☐	☐
256.70	257.48	0.78	GRD	0.76	97	M675934	☐	15-104			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
257.48	258.58	1.10	GRD	1.10	100	M675935	☐	15-104			☐	☐	☐
258.58	259.67	1.09	GRD	1.07	98	M675936	☐	15-104			☐	☐	☐
259.67	260.04	0.37	GRD	0.36	97	M675937	☐	15-104			☐	☐	☐
260.04	260.50	0.46	GRD	0.46	100	M675939	☐	15-104			☐	☐	☐
260.50	260.98	0.48	GRD	0.47	98	M675940	☐	15-104			☐	☐	☐
270.81	271.28	0.47	GRD	0.47	100	M675941	☐	15-104			☐	☐	☐
271.28	271.73	0.45	GRD	0.45	100	M675942	☐	15-104			☐	☐	☐
271.73	273.41	1.68	QFP	1.60	95	M675943	☐	15-104			☐	☐	☐
273.41	274.70	1.29	QFP	1.29	100	M675944	☐	15-104			☐	☐	☐
274.70	275.21	0.51	QFP	0.49	96	M675946	☐	15-104			☐	☐	☐
275.21	276.45	1.24	QFP	1.15	93	M675947	☐	15-104			☐	☐	☐
276.45	279.50	3.05	QFP	3.05	100	M675948	☐	15-104			☐	☐	☐
279.50	280.44	0.94	QFP	0.89	95	M675949	☐	15-104			☐	☐	☐
280.44	280.74	0.30	QFP	0.30	100	M675950	☐	15-104			☐	☐	☐
280.74	281.28	0.54	QFP	0.54	100	M675951	☐	15-104			☐	☐	☐
281.28	281.58	0.30	QFP	0.30	100	M675952	☐	15-104			☐	☐	☐
281.28	281.58	0.30	QFP	0.30	100	M675953	☐	15-104			☐	☐	☑
281.58	283.86	2.28	GRD	2.08	91	M675954	☐	15-104			☐	☐	☐
283.86	284.55	0.69	GRD	0.65	94	M675955	☐	15-104			☐	☐	☐
283.86	284.55	0.69	GRD	0.65	94	M675956	☐	15-104			☐	☑	☐
284.55	285.06	0.51	QFP	0.51	100	M675957	☐	15-104			☐	☐	☐
285.06	285.47	0.41	QFP	0.39	95	M675958	☐	15-104			☐	☐	☐
285.47	286.12	0.65	GRD	0.65	100	M675959	☐	15-105			☐	☐	☐
286.12	286.56	0.44	GRD	0.43	98	M675960	☐	15-105			☐	☐	☐
286.56	288.31	1.75	GRD	1.68	96	M675961	☐	15-105			☐	☐	☐
288.31	290.05	1.74	GRD	1.74	100	M675962	☐	15-105			☐	☐	☐
290.05	290.82	0.77	GRD	0.76	99	M675963	☐	15-105			☐	☐	☐
290.82	291.46	0.64	GRD	0.64	100	M675965	☐	15-105			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
291.46	293.01	1.55	GRD	1.44	93	M675966	☐	15-105			☐	☐	☐
293.01	294.08	1.07	GRD	1.07	100	M675967	☐	15-105			☐	☐	☐
294.08	297.00	2.92	GRD	2.80	96	M675968	☐	15-105			☐	☐	☐
294.08	297.00	2.92	GRD	2.80	96	M675969	☐	15-105			☐	☐	☑
297.00	299.22	2.22	GRD	2.21	100	M675970	☐	15-105			☐	☐	☐
299.22	300.52	1.30	GRD	1.22	94	M675971	☐	15-105			☐	☐	☐
300.52	301.30	0.78	QFP	0.78	100	M675972	☐	15-105			☐	☐	☐
301.30	301.70	0.40	GRD, QFP	0.40	100	M675973	☐	15-105			☐	☐	☐
301.70	302.20	0.50	GRD	0.50	100	M675974	☐	15-105			☐	☐	☐
357.22	357.75	0.53	GRD	0.52	98	M675975	☐	15-105			☐	☐	☐
357.75	358.05	0.30	GRD	0.30	100	M675976	☐	15-105			☐	☐	☐
358.05	358.87	0.82	GRD	0.82	100	M675977	☐	15-105			☐	☐	☐
358.05	358.87	0.82	GRD	0.82	100	M675978	☐	15-105			☐	☑	☐
358.87	359.17	0.30	GRD	0.30	100	M675979	☐	15-105			☐	☐	☐
359.17	360.19	1.02	GRD	1.01	99	M675980	☐	15-105			☐	☐	☐
360.19	360.49	0.30	GRD	0.30	100	M675981	☐	15-105			☐	☐	☐
360.49	361.26	0.77	GRD	0.77	100	M675983	☐	15-105			☐	☐	☐
361.26	362.91	1.65	GRD	1.65	100	M675984	☐	15-105			☐	☐	☐
362.91	364.85	1.94	GRD	1.92	99	M675985	☐	15-105			☐	☐	☐
364.85	367.89	3.04	GRD	3.04	100	M675986	☐	15-105			☐	☐	☐
367.89	368.57	0.68	GRD	0.68	100	M675987	☐	15-105			☐	☐	☐
368.57	369.15	0.58	GRD	0.58	100	M675989	☐	15-105			☐	☐	☐
369.15	369.58	0.43	GRD	0.43	100	M675991	☐	15-105			☐	☐	☐
369.58	369.93	0.35	GRD	0.35	100	R499424	☐	15-130	HG		☐	☐	☐
369.93	370.25	0.32	GRD	0.32	100	R499426	☐	15-130	HG		☐	☐	☐
370.25	370.96	0.71	GRD	0.71	100	R499427	☐	15-130	HG		☐	☐	☐
370.96	371.26	0.30	GRD	0.30	100	R499428	☐	15-130	HG		☐	☐	☐
371.26	371.56	0.30	GRD	0.30	100	R499429	☐	15-130	HG		☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
371.56	371.97	0.41	GRD	0.41	100	R499430	☐	15-130	HG		☐	☐	☐
371.97	373.24	1.27	GRD	1.27	100	M675992	☐	15-105			☐	☐	☐
373.24	375.18	1.94	GRD	1.81	93	M675993	☐	15-105			☐	☐	☐
375.18	375.72	0.54	GRD	0.53	98	M675994	☐	15-105			☐	☐	☐
423.84	424.33	0.49	QFP	0.49	100	M675995	☐	15-106			☐	☐	☐
424.33	424.68	0.35	QFP	0.35	100	R499432	☐	15-130	HG		☐	☐	☐
424.68	424.98	0.30	QFP	0.30	100	M675996	☐	15-106			☐	☐	☐
424.98	425.30	0.32	GRD	0.32	100	M675997	☐	15-106			☐	☐	☐
425.30	426.18	0.88	GRD	0.88	100	M675998	☐	15-106			☐	☐	☐
426.18	427.03	0.85	GRD	0.85	100	M675999	☐	15-106			☐	☐	☐
427.03	428.08	1.05	GRD, GRD	1.05	100	M676000	☐	15-106			☐	☐	☐

Klaza - Klaza Project

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		381565	6889839	1282.34	450.19

ZONE: Western BRX

SECTION: BRX 9+400

HOLE: KL-15-276

CLAIM:

Contractor: Platinum

Drill: 1

Core Size: HQ-NQ2

Casing Depth: 12.25m, Out

Drilling Dates: Jul 31 -

Geology Logged By: T. Cruz

SURVEY			
Depth (m)	Azimuth	Dip	Method
8.22	34.5	-51.6	Reflex
450.18	44.1	-52.7	Reflex

TARGET:

SUMMARY			
From (m)	To (m)	Interval (m)	Rock Type
0	12.25	12.25	CAS
12.25	16.25	4	OVB
16.25	51.15	34.9	GRD
51.15	166.21	115.06	GRD
166.21	179.84	13.63	GRD
179.84	190.23	10.39	GRD
190.23	230.11	39.88	GRD
230.11	295.9	65.79	GRD
295.9	309.26	13.36	GRD
309.26	313.63	4.37	GRD
313.63	325.82	12.19	GRD
325.82	364.41	38.59	GRD
364.41	366.57	2.16	GRD
366.57	373.51	6.94	GRD
373.51	375.28	1.77	GRD
375.28	386.04	10.76	GRD

SAMPLES	
Numbers:	K289592 to K289719, R499433 to R499438
Total:	134
Batch:	103, 107, 109, 111, 113, 130
Certificates:	WH15119554, WH15119561, WH15119613, WH15119620, WH15121082, WH15123453, WH15129589, WH15129595

COMMENTS
Reduced to NQ at 191.11m

386.04	393.4	7.36	GRD
393.4	405.83	12.43	GRD
405.83	410.44	4.61	GRD
410.44	420.63	10.19	GRD
420.63	422.89	2.26	QFP
422.89	424.01	1.12	BXA
424.01	425.63	1.62	QFP
425.63	425.76	0.13	BXA
425.76	447.3	21.54	GRD
447.3	450.19	2.89	GRD

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
12.25	16.25	4.00	OVB	MG	Crumbled mud, soil, and some argillic altered granodiorite (also crumbled). Intense weathering and oxide staining. There may be remnants of a vein at 14.8m.							
						MD	BN	PB	OXI	4I		
						DK	BN	RB	CLY	4I		
16.25	51.15	34.90	GRD	MG	Granodiorite with patches of weak argillic alteration, moderate-strong oxide staining, crumbling, and gouge. Recovery is intensely fractured, with only a few sections of more competent core. Staining on surfaces varies from light brown to black.							
						MD	GY		OXI	4I		
						MD	BN		ARG	1I		
						LT	BN					
						DK	BK					
76.79	81.38	4.59	GRD	MG	Overlapping proximal phyllic and distal argillic halos around quartz-carbonate veining, some of which have narrow propylitic halos.							
						MD	GN		PRO	3I		
						LT	WH	ZO	PHC	3I		
						LT	GN	PA	ARG	2I	Py	0.1
81.38	91.90	10.52	GRD	MG	Granodiorite with narrow propylitic halos on rare quartz-carbonate veins.							
						MD	GY					
						MD	GN					
91.90	92.89	0.99	GRD	MG	Phyllic and pervasive weak clay alteration in granodiorite.							
						LT	GN		PHC	3I	Py	0.1
									CLY	2I		
92.89	98.31	5.42	GRD	MG	Granodiorite with narrow propylitic halos on rare quartz-carbonate veins.							
						MD	GY	FR	PRO	1I		
						MD	GN					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
98.31	100.30	1.99	GRD	MG	Phyllic altered granodiorite with gouge seams and quartz-carbonate veining.							
						LT	GN		PHC	3I	Py	0.1
									CLY	1I		
100.30	114.96	14.66	GRD	MG	Granodiorite with patchy weak argillic alteration and few quartz-carbonate veins with narrow propylitic halos.							
						MD	GY	PA	PRO	1I		
						MD	GN		ARG	1I		
114.96	116.52	1.56	GRD	MG	Quartz-carbonate veins and aplite dykes cut granodiorite with propylitic halos.							
						MD	GY	PA	PRO	2I	Py	0.1
						MD	GN					
116.52	126.80	10.28	GRD	MG	Granodiorite with crumbled argillic altered patches.							
						MD	GY					
126.80	128.47	1.67	GRD	MG	Proximal phyllic and distal argillic halos around quartz-carbonate veinlets, with weak propylitic overprint.							
						MD	GN	ZO	PRO	2I		
						LT	GN	PA	ARG	2I		
						LT	WH		POT	1I		
128.47	134.77	6.30	GRD	MG	Granodiorite with few quartz-carbonate veinlets with narrow propylitic halos.							
						MD	GY	PA	PRO	2I		
						MD	GN					
134.77	135.51	0.74	GRD	MG	Banded quartz-carbonate-chlorite veins with phyllic halos.							
						LT	GN					
135.51	144.87	9.36	GRD	MG	Fresher granodiorite with patches of propylitic, and narrow halos around rare quartz-carbonate veining.							
						MD	GY	PA	PRO	1I		
						MD	GN					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
144.87	146.15	1.28	GRD	MG	Argilic halo with potassic overprint. Cut by quartz-carbonate veinlets with propylitic-silicified halos.							
						LT	WH	PA	ARG	3I		
						LT	PK	MO	POT	2I		
						LT	GN		PRO	1I		
146.15	149.31	3.16	GRD	MG	Granodiorite with patchy propylitic alteration.							
						MD	GY	PA	PRO	2I		
						MD	GN					
149.31	153.62	4.31	GRD	MG	Overlapping patches of argillic, propylitic, and phyllic alterations. Some argillic sections are crumbled and fractured. There is weak patchy potassic overprint.							
						MD	GN	MO	ARG	3I		
						LT	GN	PA	PRO	2I		
						LT	WH		PHC	2I		
						LT	PK		POT	2I		
153.62	157.27	3.65	GRD	MG	Rubbly, fractured granodiorite. Argillic altered patches are fractured, with significant clay on surfaces.							
						MD	GY	RB	ARG	2I		
						LT	GN	FR	CLY	2I		
157.27	160.96	3.69	GRD	MG	Overlapping patches of phyllic, propylitic, potassic, and argillic alterations. Few light grey-green gouge seams.							
						MD	GN		CLY	1I		
						LT	GN	PA	PHC	3I		
						LT	WH	MO	PRO	2I		
						LT	PK		POT	1I		
									ARG	2I		
160.96	166.21	5.25	GRD	MG	Granodiorite with patchy silicification and propylitic alteration, with light green clay on fracture surfaces.							
						MD	GN	FR	PRO	2I		
						MD	GY		SIL	1I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
									CLY	1I		
166.21	177.57	11.36	GRD	MG	Overlapping patches of phyllic, propylitic, argillic, and potassic alterations, some of which result from zoned halos on quartz-carbonate veins.							
						MD	GN		SIL	2I		
						LT	PK	ZO	POT	1I		
						LT	WH	PA	ARG	3I		
						LT	GN	MO	PRO	2I		
									PHC	2I		
177.57	178.68	1.11	GRD	MG	Granodiorite with propylitic and silicification.							
						MD	GY		PRO	2I		
						MD	GN		SIL	2I		
178.68	179.84	1.16	GRD	MG	Overlapping patches of phyllic, propylitic, argillic, and potassic alterations, some of which result from zoned halos on quartz-carbonate veins.							
						MD	GN		SIL	2I		
						LT	PK	ZO	POT	1I		
						LT	WH	PA	ARG	3I		
						LT	GN	MO	PRO	2I		
									PHC	2I		
179.84	190.23	10.39	GRD	MG	Silicified granodiorite with patches of weak propylitic, cut by narrow quartz-carbonate veining with zoned proximal phyllic and distal argillic halos.							
						MD	GY	ZO	PHC	2I		
						MD	GN	PA	PRO	2I		
						LT	GN		ARG	2I		
						LT	PK		POT	1I		
									SIL	2I		
190.23	192.70	2.47	GRD	MG	Patchy, zoned proximal phyllic and distal argillic halos around quartz-carbonate veinlets and aplite dykelets. There are propylitic and potassic overprints.							
						MD	GN	MO	ARG	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GY		POT	2I		
						LT	GN	ZO	PHC	3I		
						LT	WH	PA	SIL	2I		
						LT	PK		PRO	2I		
192.70	194.43	1.73	GRD	MG	Granodiorite with patchy weak propylitic and argillic alteration.							
						MD	GY	FR	PRO	2I		
						MD	GN					
194.43	207.70	13.27	GRD	MG	Patchy, zoned proximal phyllic and distal argillic halos around quartz-carbonate veinlets and aplite dykelets. There are propylitic and potassic overprints.							
						MD	GN	ZO	ARG	3I		
						MD	GY		POT	2I		
						LT	GN	PA	PHC	3I		
						LT	WH	MO	SIL	2I		
						LT	PK		PRO	2I		
207.70	208.50	0.80	GRD	MG	Weak-moderate pervasive propylitic alteration.							
						MD	GN		PRO	3I		
208.50	213.28	4.78	GRD	MG	Patchy phyllic, propylitic, and argillic alteration.							
						MD	GN		PHC	2I		
						LT	GN	PA	PRO	2I		
									ARG	2I		
213.28	214.86	1.58	GRD	MG	Moderate-strong propylitic altered granodiorite.							
						MD	GN		PRO	3I		
						DK	GN					
214.86	218.14	3.28	GRD	MG	Patchy proximal phyllic and distal argillic halos on few quartz-carbonate veining. Patchy potassic overprint.							
						MD	GN		ARG	2I		
						LT	GN	PA	PHC	2I		
						LT	PK		PRO	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	WH		POT	2I		
218.14	221.21	3.07	GRD	MG	Fresher granodiorite with trace silicification.							
						MD	GY		SIL	1I		
221.21	230.11	8.90	GRD	MG	Patchy fracture and veining related alterations, including argillic, phyllic, potassic, and propylitic. Trace disseminated earthy hematite.							
						MD	RD	MO	ARG	2I		
						MD	GN		POT	2I		
						LT	GN	PA	PHC	3I		
									PRO	2I		
230.11	295.90	65.79	GRD	MG	Fresh granodiorite with patches of trace propylitic.							
						MD	GY	PA				
						MD	GN					
295.90	302.73	6.83	GRD	MG	Moderate argillic altered and fractured granodiorite, with patchy potassic and hematite staining.							
						MD	RD	RB	POT	2I		
						LT	PK	PA	HEM	1I		
						LT	WH	FR	ARG	3I		
302.73	306.28	3.55	GRD	MG	Moderate phyllic and silicified granodiorite cut by carbonate veining and siliceous brecciation. Hosts blebby pyrite.							
						LT	GN	PA	PHC	3I	Py	0.5
								RX	SIL	2I		
306.28	309.26	2.98	GRD	MG	Moderate argillic altered granodiorite with patchy overprints of propylitic, phyllic, and potassic alteration.							
						MD	GN		PHC	1I		
						LT	WH	PA	ARG	3I		
						LT	GN	MO	PRO	1I		
						LT	PK		POT	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
309.26	311.16	1.90	GRD	MG	Fresh granodiorite.							
						MD	GY		PRO	1I		
311.16	311.82	0.66	GRD	MG	Phyllic and propylitic halo around quartz-carbonate veining, some of which host trace blebby pyrite.							
						MD	GN		PHC	2I		
						LT	GN		PRO	2I	Py	0.1
311.82	313.63	1.81	GRD	MG	Fresh granodiorite.							
						MD	GY					
313.63	318.36	4.73	GRD	MG	Granodiorite with patchy phyllic and propylitic alteration, related to quartz-carbonate veining.							
						MD	GN		PRO	3I		
						LT	GN		PHC	2I	Py	0.1
									SIL	1I		
318.36	321.73	3.37	GRD	MG	Patchy weak-moderate propylitic and silicified granodiorite.							
						MD	GN	PA	SIL	2I		
								RX	PRO	3I		
321.73	323.10	1.37	GRD	MG	Phyllic, argillic, and propylitic halos around quartz-carbonate-pyrite veining.							
						MD	GN	ZO	PRO	3I		
						LT	GN	PA	PHC	2I	Py	0.5
									SIL	1I		
323.10	324.09	0.99	GRD	MG	Granodiorite with patchy propylitic and potassic alteration.							
						MD	GN		PRO	2I		
						MD	GY		POT	1I		
						LT	PK					
324.09	325.82	1.73	GRD	MG	Patchy, zoned proximal propylitic and distal phyllic halos on quartz-carbonate-pyrite veining.							
						MD	GN	ZO	PRO	2I		
						LT	GN	PA	PHC	2I	Py	0.5

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
325.82	335.18	9.36	GRD	MG	Mostly fresher granodiorite with patchy propylitic, potassic, and silicification, but by quartz-carbonate veining with phyllic-propylitic halos. Aplite dykes are common.							
						MD	GN	ZO	PRO	2I		
						MD	GY	PA	PHC	2I	Py	0.1
						LT	GN		POT	1I		
						LT	PK		SIL	1I		
335.18	336.36	1.18	GRD	MG	Overlapping propylitic and phyllic halos on narrow quartz veinlets hosting trace blebby pyrite.							
						MD	GN		PHC	2I		
						LT	GN	PA	PRO	3I	Py	0.1
									SIL	2I		
336.36	339.14	2.78	GRD	MG	Silicified granodiorite with trace potassic alteration.							
						MD	GY	RX	POT	2I		
						LT	PK		SIL	2I		
339.14	340.24	1.10	GRD	MG	Phyllic and argillic halo around quartz-carbonate-pyrite veining and weak gouge. Some veining has narrow propylitic halos.							
						MD	GN		PRO	2I		
						LT	GN	ZO	PHC	3I	Py	0.5
									ARG	2I		
340.24	341.85	1.61	GRD	MG	Granodiorite with weak pervasive potassic and moderate pervasive silicification. Cut by aplite dykes.							
						MD	GY	RX	POT	2I		
						LT	PK		SIL	3I		
341.85	347.95	6.10	GRD	MG	Granodiorite cut by white quartz-carbonate veining with propylitic halos, patchy propylitic, and patchy trace hematite staining.							
						MD	GY	PA	PRO	3I		
						MD	GN	MO	HEM	1I		
						MD	RD					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
347.95	352.69	4.74	GRD	MG	Patchy halos around quartz-carbonate veining, with proximal phyllic and distal argillic halos and patchy propylitic-potassic overprints.							
						MD	GN	MO	ARG	2I		
						LT	PK	ZO	PRO	3I		
						LT	GN	PA	PHC	2I	Py	0.5
									POT	2I		
352.69	360.02	7.33	GRD	MG	Fresher granodiorite with patchy silicification, potassic, and propylitic alteration.							
						MD	GY	PA	PHC	2I	Py	0.5
						LT	GN					
360.02	361.62	1.60	GRD	MG	Wider phyllic halo with patchy propylitic overprint.							
						MD	GN		PRO	2I		
						LT	GN		PHC	3I	Py	0.5
361.62	364.41	2.79	GRD	MG	Granodiorite with patchy potassic alteration, cut by narrow quartz-pyrite veining with narrow propylitic halos.							
						MD	GY	PA	POT	2I	Py	0.5
						MD	GN		PRO	2I		
364.41	366.57	2.16	GRD	MG	Strong phyllic halo around quartz-carbonate-pyrite veining and a partially gouged quartz-carbonate breccia with pyrite and hematite.							
						LT	GN		SIL	2I	Py	0.5
									PHC	4I		
366.57	373.51	6.94	GRD	MG	Granodiorite with patchy potassic and propylitic alteration.							
						MD	GY	PA	PRO	2I		
						MD	PK					
						MD	GN					
373.51	375.28	1.77	GRD	MG	Wide phyllic-argillic halo with vein associated red hematite staining.							
						MD	RD	MO				
						MD	PK					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	WH	PA				
						LT	GN					
375.28	376.40	1.12	GRD	MG	Granodiorite with patchy silicification and potassic alteration.							
						MD	PK	RX	POT	2I		
						MD	GY	PA	SIL	2I		
376.40	377.24	0.84	GRD	MG	Argillic patch is potassic and propylitic alteration.							
						LT	WH	MO	PRO	1I		
						LT	PK		POT	2I		
						LT	GN		ARG	3I		
377.24	380.06	2.82	GRD	MG	Granodiorite with patchy potassic and propylitic alteration.							
						MD	GY		PRO	2I		
						MD	GN		POT	2I		
						LT	PK					
380.06	386.04	5.98	GRD	MG	Overlapping patches of argillic, phyllic, potassic, and propylitic altns, some argillic/phyllic related to quartz veining. Few quartz veinlets host hematite or pyrite, with reddish hematite staining around these veinlets. Potassic and propylitic tend to overprint argillic alteration.							
						MD	GN		POT	2I		
						MD	RD		HEM	1I		
						LT	WH	PA	PHC	2I	He	0.1
						LT	GN	MO	ARG	3I	Py	0.1
						LT	PK		PRO	2I		
393.40	397.88	4.48	GRD	MG	Patchy propylitic, potassic, and pervasive silicification of granodiorite. Cut by quartz-carbonate veining with pyrite and narrow propylitic-phyllic halos.							
						MD	GN	PA	SIL	2I	Py	0.1
						MD	GY		PHC	1I		
						LT	PK		POT	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	GN		PRO	2I		
									ARG	1I		
397.88	405.83	7.95	GRD	MG	Wide patches of argillic alteration with overprinting propylitic, phyllic, and potassic alterations. Cut by quartz-carbonate veining and gouge seams.							
						MD	PK	PA	ARG	3I	Py	0.1
						MD	RD		PHC	1I		
						MD	GN		POT	2I		
						LT	WH	MO	PRO	2I		
						LT	GN		CLY	2I		
405.83	410.44	4.61	GRD	MG	Patchy propylitic, potassic, and weak pervasively silicified granodiorite. Cut by aplite dykelets and carbonate veinlets.							
						MD	GN	RX				
						MD	GY	PA				
						LT	PK					
410.44	414.12	3.68	GRD	MG	Strongly phyllic altered granodiorite adjacent to quartz feldspar porphyry dyke contact, cut by mineralized veining and gouge seams. Pyrite is disseminated throughout phyllic groundmass, and most of recovery is silicified. Veining tends to be quartz-carbonate-tan ankerite hosting pyrite and honey brown sphalerite.							
						MD	GN		CLY	2I	Py	1
						LT	GN	RX	PHC	4I	Py	2
											Sp	0.1
414.12	415.97	1.85	GRD	MG	Weak pervasive clay/gouge alteration in fractured phyllic granodiorite, cut by a single 19cm banded quartz-carbonate-tan ankerite-rhodochrosite-pyrite vein. Fine pyrite is disseminated throughout phyllic groundmass, and discolours some gouge.							
						LT	GN	RB	PHC	3I	Py	0.5
						LT	GY	FR	CLY	2I	Py	0.5
415.97	420.63	4.66	GRD	MG	Strong pervasive phyllic alteration and silicification, cut by many quartz-carbonate-tan ankerite-pyrite veins. Sharp 30 TCA contact with quartz feldspar porphyry dyke.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GN	RX	SIL	4I	Py	3
									PHC	4I	Py	2
420.63	422.89	2.26	QFP	FG	Strong hydrothermally altered quartz feldspar porphyry dyke with gouge along contacts with granodiorite. Lower contact issharp.							
						LT	TN	PO	HYD	4I		
								RX	CLY	2I		
422.89	423.39	0.50	BXA	MG	Breccias are quartz feldspar porphyry dyke cementing mineralized quartz-carbonate vein clasts hosting pyrite. Netted by thin vuggy carbonate veinlets.							
						MD	GY	NE	SIL	2I		
						MD	TN	BX	HYD	3I	Py	1
								VU				
423.39	423.70	0.31	VEN	MG	Main BRX vein is mid-dyke, and consists of massive pyrite cut by thin netted tan ankerite-carbonate veinlets. Large blebs of zoned honey brown sphalerite are found closer to the vein's lower selvedge, with finer blebby galena close to sphalerite. Arsenopyrite is blebby, found near sphalerite and galena.							
						MD	BR	NE			Py	75
								VU			Sp	5
											Gn	1
											As	1
423.70	424.01	0.31	BXA	MG	Breccias are quartz feldspar porphyry dyke cementing mineralized quartz-carbonate vein clasts hosting pyrite. Netted by thin vuggy carbonate veinlets. This breccia has larger clasts of phyllic granodiorite hosting disseminated pyrite throughout the groundmass.							
						MD	TN	BX	PHC	3I	Py	2
						MD	GN		HYD	2I		
									SIL	3I		
424.01	425.63	1.62	QFP	FG	Tan quartz feldspar porphyry dyke with strong pervasive hydrothermal alteration and a sharp, flow banded contact with lower breccia.							
						MD	TN	RX	HYD	4I		
								PO	SIL	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
425.63	425.76	0.13	BXA	MG	Polylithic breccia with a mixed quartz-carbonate-quartz feldspar porphyry dyke cement, which appears to flow between compositions. Cut by thin, vuggy, netted carbonate veinlets. Clasts include phyllic granodiorite, quartz veins, and carbonate veins. There is a weak silicified overprint and some clay alteration along fractures.							
						MD	TN	VU	SIL	2I		
						LT	GN	NE	PHC	2I		
						LT	GY	BX	HYD	3I	Py	0.5
425.76	431.73	5.97	GRD	MG	Wide zone of fractured granodiorite with overprinting phyllic, argillic, propylitic, potassic, and silicified alterations. There is weaker hematite alteration around some veins. Cut by quartz-carbonate veins. Some veins have pyrite and hematite.							
						MD	GN	PA	PRO	2I		
						LT	GN	RB	SIL	2I	He	0.1
						LT	GY	FR	ARG	3I	Py	0.1
						LT	PK		PHC	2I		
									POT	2I		
									HEM	1I		
431.73	441.36	9.63	GRD	MG	Wide zone of fractured granodiorite with overprinting phyllic, argillic, propylitic, potassic, and silicified alterations. There is weaker hematite alteration around some veins. Cut by several gouge seams, most of which are rubbly, and quartz-carbonate veins. Some veins have pyrite and hematite.							
						MD	GN	PA	PRO	2I		
						LT	GN	RB	SIL	2I	Py	0.1
						LT	GY	FR	ARG	3I		
						LT	PK		PHC	2I		
									POT	2I		
									HEM	1I		
									CLY	2I		
441.36	444.36	3.00	GRD	FG	Granodiorite with extensive clay alteration, cut by dark green-red chlorite-hematite veining. Also cut by occasional quartz-carbonate veins that have been fractured.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GN		HEM	2I	He	0.5
						LT	GN	FR	CLY	4I	Py	0.1
									CHL	1I		
444.36	447.30	2.94	GRD	MG	Argillic and patchy clay altered granodiorite with patchy overprinting propylitic and potassic alterations. Cut by quartz-carbonate veining hosting pyrite.							
						LT	GN	PA	ARG	3I	Py	0.1
						LT	WH		PHC	2I		
						LT	PK		POT	1I		
447.30	448.76	1.46	GRD	MG	Argillic and propylitic altered granodiorite.							
						MD	GN		PRO	2I		
						LT	WH		ARG	2I		
448.76	450.19	1.43	GRD	MG	Fresh granodiorite.							
						MD	GY					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
12.25	16.25	4.00	OVB	MG	Crumbled mud, soil, and some argillic altered granodiorite (also crumbled). Intense weathering and oxide staining. There may be remnants of a vein at 14.8m.							
						DK	BN	RB	CLY	4I		
						MD	BN	PB	OXI	4I		
16.25	51.15	34.90	GRD	MG	Granodiorite with patches of weak argillic alteration, moderate-strong oxide staining, crumbling, and gouge. Recovery is intensely fractured, with only a few sections of more competent core. Staining on surfaces varies from light brown to black.							
						MD	GY		OXI	4I		
						MD	BN		ARG	1I		
						LT	BN					
						DK	BK					
166.21	179.84	13.63	GRD	MG	Overlapping patches of phyllic, propylitic, argillic, and potassic alterations, some of which result from zoned halos on quartz-carbonate veins.							
						LT	PK	ZO	POT	1I		
						MD	GN		SIL	2I		
						LT	GN	MO	PRO	2I		
						LT	WH	PA	ARG	3I		
									PHC	2I		
179.84	190.23	10.39	GRD	MG	Silicified granodiorite with patches of weak propylitic, cut by narrow quartz-carbonate veining with zoned proximal phyllic and distal argillic halos.							
						MD	GY	ZO	PHC	2I		
									SIL	2I		
						LT	PK		POT	1I		
						LT	GN		ARG	2I		
						MD	GN	PA	PRO	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
190.23	230.11	39.88	GRD	MG	Patchy, zoned proximal phyllic and distal argillic halos around quartz-carbonate veinlets and aplite dykelets. There are propylitic and potassic overprints.							
						MD	GY		POT	2I		
						LT	PK		PRO	2I		
						MD	GN	MO	ARG	3I		
						LT	GN	ZO	PHC	3I		
						LT	WH	PA	SIL	2I		
230.11	295.90	65.79	GRD	MG	Fresh granodiorite with patches of trace propylitic.							
						MD	GY	PA				
						MD	GN					
295.90	309.26	13.36	GRD	MG	Wide proximal phyllic and distal argillic halos around several quartz-carbonate-pyrite veins. Outer argillic halos have weak hematite staining.							
						MD	GN		PRO	2I		
						LT	WH	PA	PHC	3I	Py	0.1
						MD	RD		HEM	2I		
									POT	2I		
						LT	GN	MO	ARG	3I		
309.26	313.63	4.37	GRD	MG	Granodiorite cut by quartz-carbonate veins with a phyllic-propylitic halo.							
						MD	GN					
						MD	GY	PA	PRO	2I	Py	0.1
						LT	GN		PHC	2I	Rh	0.1
313.63	325.82	12.19	GRD	MG	Granodiorite cut by quartz-carbonate veining hosting pyrite, with phyllic-propylitic halos.							
						MD	GN		PRO	3I		
						LT	GN		POT	1I		
									SIL	2I		
						MD	GY	PA	PHC	2I	Py	0.5

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
325.82	364.41	38.59	GRD	MG	Mostly fresher granodiorite with patchy propylitic, potassic, and silicification, but by quartz-carbonate veining with phyllic-propylitic halos. Aplite dykes are common.							
						LT	GN		POT	1I		
						MD	GN	ZO	PRO	2I		
						MD	GY	PA	PHC	2I	Py	0.1
						LT	PK		SIL	1I		
364.41	366.57	2.16	GRD	MG	Strong phyllic halo around quartz-carbonate-pyrite veining and a partially gouged quartz-carbonate breccia with pyrite and hematite.							
									PHC	4I		
						LT	GN		SIL	2I	Py	0.5
366.57	373.51	6.94	GRD	MG	Granodiorite with patchy potassic and propylitic alteration.							
									POT	2I		
						MD	GN		PRO	1I		
						MD	GY	PA	ARG	3I		
						MD	PK		HEM	2I		
373.51	375.28	1.77	GRD	MG	Wide phyllic-argillic halo with vein associated red hematite staining.							
						LT	GN					
						MD	PK					
						MD	RD	MO				
						LT	WH	PA				
375.28	386.04	10.76	GRD	MG	Granodiorite with patches of propylitic, potassic, and hematite alteration cut by veining with proximal phyllic and distal argillic halos.							
						LT	WH	PA				
						MD	GY					
						LT	PK					
						LT	GN					
						MD	GN	MO				

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
393.40	405.83	12.43	GRD	MG	Series of weakly mineralized quartz-carbonate veins, many of which have pyrite or rhodochrosite content. Some veins have hematite, with weak hematite staining in halos. Their associated halos are proximal phyllic and distal argillic, with occasional narrow propylitic halos. Patchy propylitic, potassic, and silicification throughout.							
						LT	PK	MO	POT	2I		
						MD	GY					
						MD	RD		HEM	1I		
						LT	GN	ZO	ARG	3I	Py	0.1
						LT	WH	PA	PRO	2I	He	0.1
						MD	GN		PHC	2I		
405.83	410.44	4.61	GRD	MG	Patchy propylitic, potassic, and weak pervasively silicified granodiorite. Cut by aplite dykelets and carbonate veinlets.							
						MD	GY	PA				
						MD	GN	RX				
						LT	PK					
410.44	420.63	10.19	GRD	MG	Strongly phyllic altered granodiorite adjacent to quartz feldspar porphyry dyke contact, cut by mineralized veining and gouge seams. Pyrite is disseminated throughout phyllic groundmass, and most of recovery is silicified. Veining tends to be quartz-carbonate-tan ankerite hosting pyrite and honey brown sphalerite.							
						MD	GN		CLY	2I	Py	1
						LT	GN	RX	PHC	4I	Py	2
											Sp	0.1
420.63	422.89	2.26	QFP	FG	Strong hydrothermally altered quartz feldspar porphyry dyke with gouge along contacts with granodiorite. Lower contact issharp.							
								RX	CLY	2I		
						LT	TN	PO	HYD	4I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
422.89	424.01	1.12	BXA	MG	Main BRX vein is mid dyke, and is bordered by breccias. Breccias are quartz feldspar porphyry dyke cementing mineralized quartz-carbonate vein clasts hosting pyrite. BRX vein is dominated by massive pyrite, with blebby-zoned honey brown sphalerite, arsenopyrite, and finer blebby galena.						As	0.5
						MD	TN	BX	HYD	2I	Py	10
						MD	BR	BN	SIL	2I	Sp	1
						MD	GY	MA			Gn	0.5
424.01	425.63	1.62	QFP	FG	Tan quartz feldspar porphyry dyke with strong pervasive hydrothermal alteration and a sharp, flow banded contact with lower breccia.							
								PO	SIL	2I		
						MD	TN	RX	HYD	4I		
425.63	425.76	0.13	BXA	MG	Polylithic breccia with a mixed quartz-carbonate-quartz feldspar porphyry dyke cement, which appears to flow between compositions. Cut by thin, vuggy, netted carbonate veinlets. Clasts include phyllic granodiorite, quartz veins, and carbonate veins. There is a weak silicified overprint and some clay alteration along fractures.							
						LT	GN	NE	PHC	2I		
						LT	GY	BX	HYD	3I	Py	0.5
						MD	TN	VU	SIL	2I		
425.76	447.30	21.54	GRD	MG	Wide zone of fractured granodiorite with overprinting phyllic, argillic, propylitic, potassic, and silicified alterations. There is weaker hematite alteration around some veins. Cut by several gouge seams, most of which are rubbly, and quartz-carbonate veins. Some veins have pyrite and hematite.							
									CLY	2I		
						LT	GN	RB	SIL	2I	He	0.1
						LT	GY	FR	ARG	3I	Py	0.1
						MD	GN	PA	PRO	2I		
						LT	PK		PHC	2I		
									POT	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
									HEM	1I		
447.30	450.19	2.89	GRD	MG	Patchy argillic and propylitic altered granodiorite.							
						LT	WH		ARG	2I		
						MD	GN					
						MD	GY		PRO	2I		

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
0.00	12.25	12.25	0	0	0.00	0	--	--	--	Casing. No recovery.
12.25	14.33	2.08	2.08	100	0.00	0	--	1H	5W	
14.33	17.37	3.04	2.41	79	0.64	21	--	1H	5W	
17.37	20.42	3.05	2.52	83	0.71	23	--	2H	4W	
20.42	23.47	3.05	2.6	85	0.76	25	--	3H	3W	
23.47	26.52	3.05	2.27	74	0.30	10	--	2H	4W	
26.52	29.57	3.05	2.6	85	0.93	30	--	3H	2W	
29.57	32.61	3.04	2.69	88	0.29	10	--	3H	2W	
32.61	35.66	3.05	2.82	92	0.59	19	--	3H	2W	
35.66	38.71	3.05	2.03	67	0.14	5	--	3H	2W	
38.71	41.76	3.05	3.05	100	0.53	17	--	3H	2W	
41.76	44.81	3.05	2.8	92	1.29	42	--	4H	2W	
44.81	47.85	3.04	3.03	100	1.03	34	--	4H	2W	
47.85	50.90	3.05	2.92	96	0.56	18	--	3H	1W	
50.90	53.95	3.05	2.94	96	1.69	55	--	3H	1W	
53.95	57.00	3.05	2.98	98	1.98	65	--	3H	1W	
57.00	60.05	3.05	3.05	100	2.57	84	--	4H	1W	
60.05	63.09	3.04	3.04	100	1.48	49	--	4H	1W	
63.09	66.14	3.05	2.81	92	2.42	79	--	4H	1W	
66.14	69.19	3.05	3	98	2.52	83	--	4H	1W	
69.19	72.24	3.05	3.05	100	2.74	90	--	5H	1W	
72.24	75.29	3.05	3.03	99	2.84	93	--	5H	1W	
75.29	78.33	3.04	3.04	100	2.26	74	--	4H	1W	
78.33	81.38	3.05	3.05	100	1.97	65	--	4H	1W	
81.38	84.43	3.05	2.99	98	2.99	98	--	4H	1W	
84.43	87.48	3.05	3	98	2.46	81	--	4H	1W	
87.48	90.53	3.05	3	98	1.84	60	--	4H	1W	
90.53	93.57	3.04	2.8	92	0.82	27	--	4H	1W	
93.57	96.62	3.05	3.05	100	1.16	38	--	4H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
96.62	99.67	3.05	2.96	97	1.19	39	--	4H	1W	
99.67	102.72	3.05	2.9	95	2.24	73	--	4H	1W	
102.72	105.77	3.05	3.05	100	1.30	43	--	4H	1W	
105.77	108.81	3.04	2.98	98	1.67	55	--	4H	1W	
108.81	111.86	3.05	3.05	100	2.26	74	--	4H	1W	
111.86	114.91	3.05	2.96	97	2.61	86	--	4H	1W	
114.91	117.96	3.05	3.05	100	1.37	45	--	3H	1W	
117.96	121.01	3.05	2.99	98	1.30	43	--	4H	1W	
121.01	124.05	3.04	2.98	98	1.42	47	--	4H	1W	
124.05	127.10	3.05	3	98	2.32	76	--	4H	1W	
127.10	130.15	3.05	2.93	96	2.27	74	--	4H	1W	
130.15	133.20	3.05	3.05	100	2.14	70	--	4H	1W	
133.20	136.25	3.05	3	98	1.62	53	--	4H	1W	
136.25	139.29	3.04	2.97	98	2.42	80	--	4H	1W	
139.29	142.34	3.05	3.05	100	1.48	49	--	4H	1W	
142.34	145.39	3.05	3.02	99	2.28	75	--	4H	1W	
145.39	148.44	3.05	3.03	99	1.98	65	--	4H	1W	
148.44	151.49	3.05	3.05	100	1.32	43	--	3H	1W	
151.49	154.53	3.04	3.04	100	1.42	47	--	3H	1W	
154.53	157.58	3.05	3.05	100	0.66	22	--	3H	1W	
157.58	160.63	3.05	3.05	100	1.66	54	--	3H	1W	
160.63	163.68	3.05	3.03	99	1.54	50	--	4H	1W	
163.68	166.73	3.05	3.05	100	1.69	55	--	4H	1W	
166.73	169.77	3.04	2.97	98	2.24	74	--	4H	1W	
169.77	172.82	3.05	3.05	100	2.13	70	--	4H	1W	
172.82	175.87	3.05	3.05	100	2.37	78	--	4H	1W	
175.87	178.92	3.05	3.05	100	1.74	57	--	4H	1W	
178.92	181.97	3.05	3.05	100	2.73	90	--	4H	1W	
181.97	185.01	3.04	2.96	97	2.43	80	--	4H	1W	
185.01	188.06	3.05	3.05	100	2.25	74	--	4H	1W	
188.06	191.11	3.05	2.69	88	2.31	76	--	4H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
191.11	194.16	3.05	2.75	90	2.05	67	--	4H	1W	
194.16	197.21	3.05	3.01	99	2.44	80	--	4H	1W	
197.21	200.25	3.04	3	99	2.71	89	--	4H	1W	
200.25	203.30	3.05	3.04	100	2.59	85	--	4H	1W	
203.30	206.35	3.05	3.04	100	2.77	91	--	3H	1W	
206.35	209.40	3.05	3.05	100	2.26	74	--	4H	1W	
209.40	212.45	3.05	3.04	100	1.87	61	--	4H	1W	
212.45	215.49	3.04	3	99	0.70	23	--	4H	1W	
215.49	218.54	3.05	3.05	100	1.26	41	--	4H	1W	
218.54	221.59	3.05	2.96	97	2.13	70	--	4H	1W	
221.59	224.64	3.05	2.94	96	2.10	69	--	4H	1W	
224.64	227.69	3.05	3	98	1.01	33	--	3H	1W	
227.69	230.73	3.04	3	99	1.67	55	--	4H	1W	
230.73	233.78	3.05	3.05	100	2.49	82	--	4H	1W	
233.78	236.83	3.05	3.05	100	2.23	73	--	4H	1W	
236.83	239.88	3.05	3.05	100	2.55	84	--	4H	1W	
239.88	242.93	3.05	3	98	1.88	62	--	4H	1W	
242.93	245.97	3.04	3.04	100	1.59	52	--	4H	1W	
245.97	249.02	3.05	3.04	100	0.67	22	--	4H	1W	
249.02	252.07	3.05	3.04	100	1.60	52	--	4H	1W	
252.07	255.12	3.05	2.99	98	1.72	56	--	4H	1W	
255.12	258.17	3.05	2.95	97	2.44	80	--	4H	1W	
258.17	261.21	3.04	3	99	2.32	76	--	4H	1W	
261.21	264.26	3.05	3.05	100	2.85	93	--	4H	1W	
264.26	267.31	3.05	3.04	100	2.60	85	--	4H	1W	
267.31	270.36	3.05	3	98	2.48	81	--	4H	1W	
270.36	273.41	3.05	3.05	100	2.89	95	--	4H	1W	
273.41	276.45	3.04	3.03	100	2.59	85	--	4H	1W	
276.45	279.50	3.05	2.76	90	2.07	68	--	4H	1W	
279.50	282.55	3.05	3.05	100	2.45	80	--	4H	1W	
282.55	285.60	3.05	2.98	98	2.06	68	--	4H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
285.60	288.65	3.05	3.01	99	2.07	68	--	4H	1W	
288.65	291.69	3.04	3.04	100	2.36	78	--	4H	1W	
291.69	294.74	3.05	3.02	99	2.47	81	--	4H	1W	
294.74	297.79	3.05	3.05	100	2.62	86	--	4H	1W	
297.79	300.84	3.05	3.02	99	0.71	23	--	3H	1W	
300.84	303.89	3.05	3.04	100	2.60	85	--	3H	1W	
303.89	306.93	3.04	2.97	98	2.66	88	--	4H	1W	
306.93	309.98	3.05	3.05	100	2.41	79	--	3H	1W	
309.98	313.03	3.05	3.04	100	1.98	65	--	4H	1W	
313.03	316.08	3.05	3.05	100	2.25	74	--	4H	1W	
316.08	319.13	3.05	3	98	1.52	50	--	4H	1W	
319.13	322.17	3.04	3.04	100	2.25	74	--	4H	1W	
322.17	325.22	3.05	3.05	100	2.45	80	--	4H	1W	
325.22	328.27	3.05	3.04	100	2.55	84	--	4H	1W	
328.27	331.32	3.05	3.05	100	2.68	88	--	4H	1W	
331.32	334.37	3.05	3.04	100	1.97	65	--	4H	1W	
334.37	337.41	3.04	3.03	100	2.81	92	--	4H	1W	
337.41	340.46	3.05	2.97	97	2.97	97	--	4H	1W	
340.46	343.51	3.05	3.04	100	2.45	80	--	3H	1W	
343.51	346.56	3.05	3.04	100	2.94	96	--	4H	1W	
346.56	349.61	3.05	3.05	100	2.67	88	--	3H	1W	
349.61	352.65	3.04	3	99	2.38	78	--	3H	1W	
352.65	355.70	3.05	3.01	99	2.64	87	--	4H	1W	
355.70	358.75	3.05	3	98	2.91	95	--	4H	1W	
358.75	361.80	3.05	3.05	100	2.68	88	--	4H	1W	
361.80	364.85	3.05	2.95	97	2.49	82	--	4H	1W	
364.85	367.89	3.04	2.94	97	1.56	51	--	4H	1W	
367.89	370.94	3.05	3.05	100	2.15	70	--	4H	1W	
370.94	373.99	3.05	2.95	97	2.30	75	--	4H	1W	
373.99	377.04	3.05	2.9	95	2.35	77	--	4H	1W	
377.04	380.09	3.05	3.05	100	2.11	69	--	4H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
380.09	383.13	3.04	3.04	100	2.94	97	--	3H	1W	
383.13	386.18	3.05	3.05	100	2.59	85	--	3H	1W	
386.18	389.23	3.05	3.03	99	2.76	90	--	4H	1W	
389.23	392.28	3.05	3.04	100	2.60	85	--	4H	1W	
392.28	395.33	3.05	3.05	100	2.74	90	--	3H	1W	
395.33	398.37	3.04	3	99	2.51	83	--	3H	1W	
398.37	401.42	3.05	3.03	99	1.72	56	--	3H	1W	
401.42	404.47	3.05	3	98	2.11	69	--	3H	1W	
404.47	407.52	3.05	3.05	100	2.34	77	--	4H	1W	
407.52	410.57	3.05	3.05	100	2.55	84	--	4H	1W	
410.57	413.61	3.04	2.9	95	2.56	84	--	3H	1W	
413.61	416.66	3.05	3.05	100	1.54	50	--	3H	1W	
416.66	419.71	3.05	3.05	100	2.89	95	--	4H	1W	
419.71	422.76	3.05	3.05	100	1.93	63	--	3H	1W	
422.76	425.81	3.05	3.05	100	2.17	71	--	3H	1W	
425.81	428.85	3.04	3	99	2.47	81	--	3H	1W	
428.85	431.90	3.05	3.05	100	2.05	67	--	3H	1W	
431.90	434.95	3.05	3.05	100	1.72	56	--	3H	1W	
434.95	438.00	3.05	3.04	100	1.18	39	--	3H	1W	
438.00	441.05	3.05	3.02	99	1.41	46	--	3H	1W	
441.05	444.09	3.04	3	99	1.78	59	--	2H	1W	
444.09	447.14	3.05	3.03	99	2.48	81	--	3H	1W	
447.14	450.19	3.05	3.05	100	1.47	48	--	3H	1W	

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
0.00	0.00	0.00	-QC-	0.00	0	K289653	☐	15-109		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K289709	☐	15-111		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K289701	☐	15-111			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K289689	☐	15-111			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K289684	☐	15-111		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K289673	☐	15-109			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K289596	☐	15-103		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K289660	☐	15-109			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K289641	☐	15-107			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K289634	☐	15-107			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K289627	☐	15-107		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K289617	☐	15-107		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K289606	☐	15-103			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K289602	☐	15-103			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K289666	☐	15-109		KL-STD5	☐	☐	☐
14.50	15.20	0.70	OVB	0.61	87	K289592	☐	15-103			☐	☐	☐
76.85	79.28	2.43	GRD	2.34	96	K289593	☐	15-103			☐	☐	☐
79.28	81.38	2.10	GRD	2.01	96	K289594	☐	15-103			☐	☐	☐
91.90	92.89	0.99	GRD	0.64	65	K289595	☐	15-103			☐	☐	☐
92.89	95.25	2.36	GRD	2.36	100	K289597	☐	15-103			☐	☐	☐
95.25	96.75	1.50	GRD	1.41	94	K289598	☐	15-103			☐	☐	☐
96.75	97.28	0.53	GRD	0.51	96	K289599	☐	15-103			☐	☐	☐
97.28	98.94	1.66	GRD	1.56	94	K289600	☐	15-103			☐	☐	☐
98.94	100.21	1.27	GRD	1.11	87	K289601	☐	15-103			☐	☐	☐
100.21	102.18	1.97	GRD	1.81	92	K289603	☐	15-103			☐	☐	☐
114.96	116.52	1.56	GRD	1.56	100	K289604	☐	15-103			☐	☐	☐
121.40	121.74	0.34	GRD	0.33	97	K289605	☐	15-103			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
121.74	123.74	2.00	GRD	1.93	97	K289607	☐	15-103			☐	☐	☐
123.74	124.32	0.58	GRD	0.57	98	K289608	☐	15-103			☐	☐	☐
124.32	125.30	0.98	GRD	0.98	100	K289609	☐	15-103			☐	☐	☐
152.25	153.30	1.05	GRD	0.88	84	K289610	☐	15-103			☐	☐	☐
153.30	153.62	0.32	GRD	0.28	88	K289611	☐	15-107			☐	☐	☐
166.66	168.44	1.78	GRD	1.70	96	K289612	☐	15-107			☐	☐	☐
168.44	170.75	2.31	GRD	2.21	96	K289613	☐	15-107			☐	☐	☐
168.44	170.75	2.31	GRD	2.21	96	K289614	☐	15-107			☐	☐	☑
170.75	172.40	1.65	GRD	1.65	100	K289615	☐	15-107			☐	☐	☐
172.40	174.42	2.02	GRD	2.02	100	K289616	☐	15-107			☐	☐	☐
174.42	175.79	1.37	GRD	0.93	68	K289618	☐	15-107			☐	☐	☐
175.79	176.94	1.15	GRD	1.09	95	K289619	☐	15-107			☐	☐	☐
191.28	192.26	0.98	GRD	0.92	94	K289620	☐	15-107			☐	☐	☐
192.26	192.70	0.44	GRD	0.44	100	K289621	☐	15-107			☐	☐	☐
192.70	195.64	2.94	GRD	2.53	86	K289622	☐	15-107			☐	☐	☐
195.64	197.38	1.74	GRD	0.69	40	K289623	☐	15-107			☐	☐	☐
195.64	197.38	1.74	GRD	0.69	40	K289624	☐	15-107			☐	☑	☐
197.38	199.99	2.61	GRD	2.55	98	K289625	☐	15-107			☐	☐	☐
199.99	202.42	2.43	GRD	2.43	100	K289626	☐	15-107			☐	☐	☐
202.42	203.76	1.34	GRD	1.31	98	K289628	☐	15-107			☐	☐	☐
203.76	205.15	1.39	GRD	1.35	97	K289629	☐	15-107			☐	☐	☐
264.90	265.20	0.30	GRD	0.29	97	K289630	☐	15-107			☐	☐	☐
303.13	304.50	1.37	GRD	1.34	98	K289631	☐	15-107			☐	☐	☐
304.50	305.53	1.03	GRD	1.03	100	K289632	☐	15-107			☐	☐	☐
305.53	306.00	0.47	GRD	0.45	96	K289633	☐	15-107			☐	☐	☐
306.00	306.93	0.93	GRD	0.89	96	K289635	☐	15-107			☐	☐	☐
315.30	317.15	1.85	GRD	1.75	95	K289636	☐	15-107			☐	☐	☐
317.15	317.95	0.80	GRD	0.66	83	K289637	☐	15-107			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
317.95	319.79	1.84	GRD	1.77	96	K289638	☐	15-107			☐	☐	☐
319.79	322.17	2.38	GRD	2.31	97	K289639	☐	15-107			☐	☐	☐
322.17	322.98	0.81	GRD	0.80	99	K289640	☐	15-107			☐	☐	☐
322.98	324.16	1.18	GRD	1.13	96	K289642	☐	15-107			☐	☐	☐
324.16	325.81	1.65	GRD	1.65	100	K289643	☐	15-107			☐	☐	☐
325.81	328.27	2.46	GRD	2.46	100	K289644	☐	15-107			☐	☐	☐
328.27	330.12	1.85	GRD	1.84	99	K289645	☐	15-107			☐	☐	☐
330.12	331.96	1.84	GRD	1.75	95	K289646	☐	15-107			☐	☐	☐
331.96	334.37	2.41	GRD	2.41	100	K289647	☐	15-109			☐	☐	☐
334.37	336.33	1.96	GRD	1.96	100	K289648	☐	15-109			☐	☐	☐
336.33	339.18	2.85	GRD	2.75	96	K289649	☐	15-109			☐	☐	☐
336.33	339.18	2.85	GRD	2.75	96	K289650	☐	15-109			☐	☐	☑
339.18	339.74	0.56	GRD	0.56	100	K289651	☐	15-109			☐	☐	☐
339.74	341.85	2.11	GRD	2.01	95	K289652	☐	15-109			☐	☐	☐
341.85	343.62	1.77	GRD	1.75	99	K289654	☐	15-109			☐	☐	☐
343.62	346.38	2.76	GRD	2.71	98	K289655	☐	15-109			☐	☐	☐
346.38	347.20	0.82	GRD	0.78	95	K289656	☐	15-109			☐	☐	☐
347.20	349.09	1.89	GRD	1.83	97	K289657	☐	15-109			☐	☐	☐
349.09	350.57	1.48	GRD	1.46	99	K289658	☐	15-109			☐	☐	☐
350.57	351.08	0.51	GRD	0.51	100	K289659	☐	15-109			☐	☐	☐
351.08	352.31	1.23	GRD	1.11	90	K289661	☐	15-109			☐	☐	☐
352.31	354.23	1.92	GRD	1.92	100	K289662	☐	15-109			☐	☐	☐
354.23	355.45	1.22	GRD	1.14	93	K289663	☐	15-109			☐	☐	☐
354.23	355.45	1.22	GRD	1.14	93	K289664	☐	15-109			☐	☑	☐
355.45	357.76	2.31	GRD	2.27	98	K289665	☐	15-109			☐	☐	☐
357.76	359.45	1.69	GRD	1.68	99	K289667	☐	15-109			☐	☐	☐
359.45	360.87	1.42	GRD	1.42	100	K289668	☐	15-109			☐	☐	☐
360.87	362.44	1.57	GRD	1.55	99	K289669	☐	15-109			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
362.44	364.41	1.97	GRD	1.85	94	K289670	☐	15-109			☐	☐	☐
364.41	365.17	0.76	GRD, GRD	0.69	91	K289671	☐	15-109			☐	☐	☐
365.17	366.10	0.93	GRD	0.77	83	K289672	☐	15-109			☐	☐	☐
366.10	366.85	0.75	GRD	0.75	100	K289674	☐	15-109			☐	☐	☐
380.22	382.21	1.99	GRD	1.99	100	K289675	☐	15-109			☐	☐	☐
382.21	384.99	2.78	GRD	2.78	100	K289676	☐	15-109			☐	☐	☐
384.99	386.00	1.01	GRD	1.00	99	K289677	☐	15-109			☐	☐	☐
386.00	389.00	3.00	GRD	3.00	100	K289678	☐	15-109			☐	☐	☐
389.00	392.00	3.00	GRD	2.87	96	K289679	☐	15-109			☐	☐	☐
392.00	394.24	2.24	GRD	2.24	100	K289680	☐	15-109			☐	☐	☐
394.24	395.70	1.46	GRD	1.46	100	K289681	☐	15-109			☐	☐	☐
395.70	398.46	2.76	GRD	2.67	97	K289682	☐	15-109			☐	☐	☐
398.46	400.15	1.69	GRD	1.63	96	K289683	☐	15-111			☐	☐	☐
400.15	401.82	1.67	GRD	1.55	93	K289685	☐	15-111			☐	☐	☐
401.82	403.27	1.45	GRD	1.40	97	K289686	☐	15-111			☐	☐	☐
403.27	405.24	1.97	GRD	1.85	94	K289687	☐	15-111			☐	☐	☐
405.24	405.63	0.39	GRD	0.38	97	K289688	☐	15-111			☐	☐	☐
405.63	408.46	2.83	GRD	2.83	100	K289690	☐	15-111			☐	☐	☐
408.46	410.57	2.11	GRD	2.11	100	K289691	☐	15-111			☐	☐	☐
410.57	413.42	2.85	GRD	2.76	97	K289692	☐	15-111			☐	☐	☐
410.57	413.42	2.85	GRD	2.76	97	K289693	☐	15-111			☐	☐	☑
413.42	414.48	1.06	GRD	1.06	100	K289694	☐	15-111			☐	☐	☐
414.48	414.86	0.38	GRD	0.36	95	R499433	☐	15-130	HG		☐	☐	☐
414.86	415.97	1.11	GRD	0.70	63	K289695	☐	15-111			☐	☐	☐
415.97	418.13	2.16	GRD	2.08	96	K289696	☐	15-111			☐	☐	☐
418.13	420.27	2.14	GRD	2.01	94	K289697	☐	15-111			☐	☐	☐
420.27	420.63	0.36	GRD	0.36	100	R499434	☐	15-130	HG		☐	☐	☐
420.27	420.63	0.36	GRD	0.36	100	R499435	☐	15-130	HG		☐	☐	☑

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
420.63	422.89	2.26	GRD, QFP	2.09	92	K289698	☐	15-111			☐	☐	☐
422.89	423.39	0.50	BXA, QFP	0.45	90	R499436	☐	15-130	HG		☐	☐	☐
423.39	423.70	0.31	BXA	0.31	100	R499437	☐	15-130	HG		☐	☐	☐
423.70	424.01	0.31	BXA	0.31	100	R499438	☐	15-130	HG		☐	☐	☐
424.01	424.63	0.62	BXA, QFP	0.62	100	K289699	☐	15-111			☐	☐	☐
424.63	425.76	1.13	QFP	0.62	55	K289700	☐	15-111			☐	☐	☐
425.76	426.77	1.01	GRD, BXA	1.01	100	K289702	☐	15-111			☐	☐	☐
425.76	426.77	1.01	GRD, BXA	1.01	100	K289703	☐	15-111			☐	☑	☐
426.77	429.77	3.00	GRD	2.84	95	K289704	☐	15-111			☐	☐	☐
429.77	430.16	0.39	GRD	0.35	90	K289705	☐	15-111			☐	☐	☐
430.16	431.73	1.57	GRD	1.51	96	K289706	☐	15-111			☐	☐	☐
431.73	432.65	0.92	GRD	0.89	97	K289707	☐	15-111			☐	☐	☐
432.65	434.54	1.89	GRD	1.67	88	K289708	☐	15-111			☐	☐	☐
434.54	435.97	1.43	GRD	1.37	96	K289710	☐	15-111			☐	☐	☐
435.97	436.90	0.93	GRD	0.61	66	K289711	☐	15-111			☐	☐	☐
436.90	439.04	2.14	GRD	2.09	98	K289712	☐	15-111			☐	☐	☐
439.04	439.40	0.36	GRD	0.36	100	K289713	☐	15-111			☐	☐	☐
439.40	440.85	1.45	GRD	1.03	71	K289714	☐	15-111			☐	☐	☐
440.85	441.36	0.51	GRD	0.51	100	K289715	☐	15-111			☐	☐	☐
441.36	441.94	0.58	GRD	0.42	72	K289716	☐	15-111			☐	☐	☐
441.94	444.36	2.42	GRD	2.27	94	K289717	☐	15-111			☐	☐	☐
444.36	445.16	0.80	GRD	0.74	93	K289718	☐	15-111			☐	☐	☐
445.16	446.61	1.45	GRD	1.45	100	K289719	☐	15-113			☐	☐	☐

Klaza - Klaza Project

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		382596	6890515	1343.79	264.26

ZONE: Central Klaza

SECTION:

HOLE: KL-15-277

CLAIM:

Contractor: Platinum

Drill: 2

Core Size: NQ2

Casing Depth: 4.29m, Out

Drilling Dates: Aug 02 - Aug 04, 2015

Geology Logged By: D. Walsh

SURVEY			
Depth (m)	Azimuth	Dip	Method
5.18	33.4	-49.5	Reflex
264.26	48	-45.8	Reflex

TARGET:

SUMMARY			
From (m)	To (m)	Interval (m)	Rock Type
0	4.26	4.26	CAS
4.26	60.05	55.79	GRD
60.05	146.76	86.71	GRD
146.76	166.67	19.91	GRD
166.67	174.98	8.31	QFP
174.98	191.33	16.35	GRD
191.33	205.9	14.57	GRD
205.9	210.01	4.11	GRD
210.01	228.86	18.85	GRD
228.86	236.5	7.64	GRD
236.5	238.72	2.22	GRD
238.72	264.26	25.54	GRD

SAMPLES	
Numbers:	K289930 to K290026
Total:	97
Batch:	106, 108, 110, 112
Certificates:	WH15119557, WH15119596, WH15119615, WH15121079

COMMENTS

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
4.26	12.95	8.69	GRD	MG	Unaltered granodiorite with weak to moderate oxidation along fracture surfaces. Oxidation intensity decreases with depth.							
						MD	OR		OXI	2I		
						MD	GY		OXI	3I		
						LT	OR					
12.95	14.33	1.38	GRD	MG	Silicified moderate phyllic envelope around a quartz/carbonate/sulphide vein. Phyllic alteration transitions to argillic/potassic alteration distally from vein. Patchy pervasive oxidation throughout envelope.							
						MD	OR		SIL	3I		
						LT	GN	EN	PHC	3I		
						LT	OR		OXI	3I		
									POT	2I		
									ARG	3I		
14.33	25.81	11.48	GRD	MG	Unaltered granodiorite with weak to moderate oxidation along fracture surfaces. Oxidation intensity decreases with depth.							
						MD	GY		OXI	3I		
						MD	OR		OXI	2I		
						LT	OR					
25.81	28.20	2.39	GRD	MG	Weak to moderate phyllic envelope round a quartz/carbonate/sulphide vein. Intensity of phyllic alteration decreases distally from vein.							
						MD	GN		PHC	3I		
						LT	GN	EN	PHC	2I		
28.20	41.76	13.56	GRD	MG	Unaltered granodiorite with weak to moderate oxidation along fracture surfaces. Oxidation intensity decreases with depth.							
						MD	GY		OXI	3I		
						MD	OR		OXI	2I		
						LT	OR					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
41.76	43.36	1.60	GRD	MG	Moderate phyllic altered granodiorite. Hosts multiple quartz/carbonate veins and a quartz/carbonate/sulphide vein.							
						MD	GN		PHC	3I		
						LT	GN	EN	PHC	2I		
43.36	60.05	16.69	GRD	MG	Unaltered granodiorite with weak to moderate oxidation along fracture surfaces. Oxidation intensity decreases with depth. Sporadic patches of weak argillic/potassic alteration.							
						MD	OR		OXI	2I		
						MD	GY		OXI	3I		
						LT	OR					
60.05	87.24	27.19	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite. Hosts minor phyllic envelopes around quartz/carbonate veining.							
						MD	GY		PRO	1I		
						MD	PK		POT	2I		
						LT	GY		POT	1I		
						DK	GN		PRO	2I		
87.24	90.15	2.91	GRD	MG	Moderate phyllic/propyllitic envelope around minor quartz/carbonate vein and a large calcite vein. Phyllic envelope transition to argillic/potassic alteration distally from veining.							
						MD	GN		PHC	3I		
						MD	PK		POT	2I		
						LT	GN	EN	PRO	3I		
						LT	WH		ARG	3I		
90.15	110.51	20.36	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite. Hosts minor phyllic envelopes around quartz/carbonate veining.							
						MD	GY		PRO	1I		
						MD	PK		POT	2I		
						LT	GY		POT	1I		
						DK	GN		PRO	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
110.51	112.73	2.22	GRD	MG	Silicified moderately phyllic alteration envelope around a medium sized smoky quartz black breccia. Minor distal potassic/argillic alteration away from breccia.							
						MD	GN		SIL	3I		
						LT	GN	EN	PHC	3I		
112.73	138.40	25.67	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite. Hosts minor phyllic envelopes around quartz/carbonate veining.							
						MD	GY	EN	PRO	1I		
						MD	PK		POT	2I		
						LT	GY		POT	1I		
						DK	GN		PRO	2I		
138.40	141.20	2.80	GRD	MG	Moderate potassic/argillic and weak propyllitic altered granodiorite with two minor moderate phyllic envelopes around a carbonate vein and a gouge vein.							
						MD	PK		PRO	2I		
						LT	GN		ARG	3I		
						LT	GN		PHC	3I		
						DK	GN		POT	3I		
141.20	146.76	5.56	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite. Hosts minor phyllic envelopes around quartz/carbonate veining.							
						MD	GY		PRO	1I		
						MD	PK		POT	2I		
						LT	GY		POT	1I		
						DK	GN		PRO	2I		
146.76	150.33	3.57	GRD	MG	Moderate argillic alteration with a weak potassic/propyllitic overprint.							
						MD	PK		POT	2I		
						LT	WH		ARG	3I		
						DK	GN		PRO	2I		
150.33	152.28	1.95	GRD	MG	Weak to moderate potassic/propyllitic altered granodiorite.							
						MD	PK		POT	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GY		PRO	2I		
						DK	GN		PRO	3I		
									POT	3I		
152.28	161.71	9.43	GRD	MG	Moderate phyllic alteration with patches of strong phyllic alteration around significant quartz/carbonate/sulphide veining that hosts trace disseminated pyrite. Has few zones of gouge alteration.							
						MD	GN		PHC	4I		
						LT	GN		PHC	3I	Py	0.1
161.71	165.85	4.14	GRD	MG	Moderate argillic altered granodiorite with a weak potassic/propyllitic overprint. Has a few small patches of weak to moderate potassic/propyllitic alteration.							
						MD	PK		PRO	3I		
						LT	WH		ARG	3I		
						DK	GN		PRO	2I		
									POT	3I		
									POT	2I		
165.85	166.67	0.82	GRD	MG	Silicified moderate to strongly phyllic altered granodiorite. Hosts disseminated pyrite.							
						MD	GN		PRO	4I		
						MD	GY		SIL	3I		
						LT	GN		PRO	3I	Py	1
166.67	174.98	8.31	QFP	MG	Quartz feldspar porphyry dyke with alternating patches of purple, light tan and grey/green color. Sporadic white carbonate veinlets throughout.							
						MD	PU					
						MD	GY					
						MD	GN					
						LT	TN	PO				
174.98	180.00	5.02	GRD	MG	Moderate phyllic alteration with patchy weak propyllitic alteration throughout. Hosts multiple quartz/pyrite stringer zones and a few quartz/sulphide veins. Trace disseminated pyrite found throughout.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GN		PHC	4I		
						LT	GN		PHC	3I	Py	0.1
						DK	GN		SIL	3I		
									PRO	2I		
180.00	180.95	0.95	GRD	MG	Strongly silicified moderate potassic/propyllitic altered granodiorite with patchy trace hematization. Interval is cut by an abundace of criss-crossing chlorite stringers.							
						MD	PK		PRO	2I		
						LT	GY		SIL	4I		
						LT	RD		POT	2I		
						DK	GN		PRO	3I		
									POT	3I		
									HEM	1I		
180.95	191.33	10.38	GRD	MG	Primarily moderate phyllic alteration with patches of strong phyllic alteration around significant quartz/carbonate/sulphide veining and patchy weak propyllitic alteration throughout. Hosts multiple quartz/pyrite stringer zones. Trace disseminated pyrite found throughout.							
						MD	GN		PHC	4I		
						LT	GN		PHC	3I	Py	0.1
						DK	GN		SIL	3I		
									PRO	2I		
191.33	205.90	14.57	GRD	MG	Alternating patches of weak potassic/propyllitic alteration and weak argillic/potassic/propyllitic alteration that is broken up by weak to moderate phyllic envelope around sporadic quartz/carbonate veins.							
						MD	GN		PHC	2I		
						MD	GY		POT	2I		
						MD	PK		ARG	2I		
						LT	GN	PA	PHC	3I		
						LT	WH					
						DK	GN		PRO	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
205.90	210.01	4.11	GRD	MG	Moderate phyllic and weak propyllitic altered granodiorite. Hosts a fair quartz/carbonate/sulphide vein zone in the center of the envelope.							
						MD	GN		PRO	2I		
						LT	GN	EN	PHC	3I		
						DK	GN					
210.01	215.73	5.72	GRD	MG	Alternating patches of weak potassic/propyllitic alteration, silicified moderate propyllitic alteration and weak argillic/potassic/propyllitic alteration that is broken up by weak to moderate phyllic envelope around sporadic quartz/carbonate veins. Occasional trace hematite staining on fracture surfaces.							
						MD	GY	PA	PRO	3I		
						MD	GN		POT	2I		
						MD	PK		ARG	2I		
						LT	GN		PRO	2I		
						LT	WH		PHC	2I		
						DK	GN		SIL	3I		
									PHC	3I		
215.73	216.21	0.48	GRD	MG	Moderate phyllic and weakly propyllitic altered granodiorite hosts an ankerite/rhodochrosite vein.							
						MD	GN	EN	PHC	3I		
						LT	GN		PRO	2I		
						DK	GN					
216.21	216.97	0.76	GRD	MG	Rubbly, silicified grey quartz feldspar porphyry dyke.							
						MD	GY	PO	SIL	3I		
216.97	217.70	0.73	GRD	MG	Moderate phyllic and weakly propyllitic altered granodiorite hosts an a quartz/carbonate/sulphide vein.							
						MD	GN		PHC	3I		
						LT	GN		PRO	2I		
						DK	GN					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
217.70	226.12	8.42	GRD	MG	Alternating patches of weak potassic/propyllitic alteration, silicified moderate propyllitic alteration and weak argillic/potassic/propyllitic alteration. Occasional trace hematite staining on fracture surfaces.							
						MD	GY	PA	PRO	3I		
						MD	GN		PRO	2I		
						MD	PK		POT	2I		
						LT	WH		ARG	2I		
						DK	GN		SIL	3I		
226.12	227.31	1.19	GRD	MG	Silicified moderate to strongly hematized granodiorite.							
						MD	GY					
						MD	RD					
						LT	GY		HEM	3I		
						LT	RD					
227.31	228.86	1.55	GRD	MG	Weakly argillic/potassic/propyllitic altered granodiorite.							
						MD	GN		POT	2I		
						MD	PK		PRO	2I		
						LT	WH		ARG	2I		
228.86	236.50	7.64	GRD	MG	Silicified moderate phyllic, propyllitic altered granodiorite. Hosts a Central Klaza vein zone in the center consisting of multiple polymetallic quartz/carbonate/sulphide veins and a siliceous breccia.							
						MD	GN		PRO	3I		
						LT	GN		PHC	3I		
						DK	GN		SIL	3I		
236.50	238.72	2.22	GRD	MG	Patchy weak potassic, propyllitic and argillic altered granodiorite.							
						MD	PK		ARG	2I		
						MD	GN					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	WH	PA	POT	2I		
						DK	GN		PRO	2I		
238.72	240.92	2.20	GRD	MG	Silicified trace to weak propyllitic/potassic altered granodiorite.							
						MD	GY		PRO	2I		
						MD	PK		POT	2I		
						DK	GN		SIL	3I		
240.92	244.86	3.94	GRD	MG	Moderate phyllic altered granodiorite with patchy trace to weak propyllitic/potassic alteration. Hosts a gouge altered quartz/carbonate/pyrite vein.							
						MD	GN					
						LT	GN					
						LT	PK					
244.86	246.00	1.14	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite.							
						MD	GY		PRO	2I		
						MD	PK		POT	2I		
						DK	GN					
246.00	246.50	0.50	GRD	MG	Siliceous breccia with a medium grey silica matrix and sub-angular pebble sized clast of moderate phyllic altered granodiorite.							
						MD	GY	BX	PHC	3I		
						LT	GN					
246.50	248.92	2.42	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite.							
						MD	PK		POT	2I		
						MD	GY		PRO	2I		
						DK	GN					
248.92	250.50	1.58	GRD	MG	Siliceous breccia with a medium grey silica matrix and sub-angular pebble sized clast of moderate phyllic altered granodiorite.							
						MD	GY	BX	PHC	3I		
						LT	GN					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
250.50	264.26	13.76	GRD	MG	Silicified trace to weak propyllitic/potassic altered granodiorite.							
						MD	GY		PRO	2I		
						MD	PK		POT	2I		
						DK	GN		SIL	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
4.26	60.05	55.79	GRD	MG	Unaltered granodiorite with weak to moderate oxidation along fracture surfaces. Oxidation intensity decreases with depth.							
						MD	GY		OXI	3I		
						MD	OR		OXI	2I		
						LT	OR					
60.05	146.76	86.71	GRD	MG	Trace potassic/propyllitic altered granodiorite. Hosts minor phyllic envelopes around quartz/carbonate veining.							
						MD	GY		PRO	1I		
						LT	GY		POT	1I		
						DK	GN					
						MD	PK					
146.76	166.67	19.91	GRD	MG	Primarily moderate phyllic alteration with patches of strong phyllic alteration around significant quartz/carbonate/sulphide veining. Moderate amount of argillic alteration found distally from veining.							
						LT	WH		ARG	3I		
						LT	GN		PHC	3I		
						MD	GN		PHC	4I		
						MD	PK		POT	3I		
166.67	174.98	8.31	QFP	MG	Quartz feldspar porphyry dyke with alternating patches of purple, light tan and grey/green color. Sporadic white carbonate veinlets throughout.							
						LT	TN	PO				
						MD	PU					
						MD	GY					
						MD	GN					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
174.98	191.33	16.35	GRD	MG	Primarily moderate phyllic alteration with patches of strong phyllic alteration around significant quartz/carbonate/sulphide veining and patchy weak propyllitic alteration throughout. Hosts multiple quartz/pyrite stringer zones. Trace disseminated pyrite found throughout.							
						DK	GN		SIL	3I		
						MD	GN		PHC	4I		
									PRO	2I		
						LT	GN		PHC	3I	Py	0.1
191.33	205.90	14.57	GRD	MG	Alternating patches of weak potassic/propyllitic alteration and weak argillic/potassic/propyllitic alteration that is broken up by weak to moderate phyllic envelope around sporadic quartz/carbonate veins.							
						LT	GN	PA	PHC	3I		
						MD	GY		POT	2I		
						MD	GN		PHC	2I		
						MD	PK		ARG	2I		
						LT	WH					
						DK	GN		PRO	2I		
205.90	210.01	4.11	GRD	MG	Moderate phyllic and weak propyllitic altered granodiorite. Hosts a fair quartz/carbonate/sulphide vein zone in the center of the envelope.							
						DK	GN					
						LT	GN	EN	PHC	3I		
						MD	GN		PRO	2I		
210.01	228.86	18.85	GRD	MG	Alternating patches of weak potassic/propyllitic alteration, silicified moderate propyllitic alteration and weak argillic/potassic/propyllitic alteration that is broken up by weak to moderate phyllic envelope around sporadic quartz/carbonate veins. Occasional trace hematite staining on fracture surfaces.							
						LT	WH		PHC	2I		
						MD	PK		ARG	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GN		POT	2I		
						LT	GN		PRO	2I		
						DK	GN		SIL	3I		
						MD	GY	PA	PRO	3I		
									PHC	3I		
228.86	236.50	7.64	GRD	MG	Silicified moderate phyllic, propyllitic altered granodiorite. Hosts a Central Klaza vein zone in the center consisting of multiple polymetallic quartz/carbonate/sulphide veins and a siliceous breccia.							
						MD	GN		PRO	3I		
						LT	GN		PHC	3I		
						DK	GN		SIL	3I		
236.50	238.72	2.22	GRD	MG	Patchy weak potassic, propyllitic and argillic altered granodiorite.							
						LT	WH	PA	POT	2I		
						MD	GN					
						MD	PK		ARG	2I		
						DK	GN		PRO	2I		
238.72	264.26	25.54	GRD	MG	Silicified trace to weak propyllitic/potassic altered granodiorite.							
						MD	GY		PRO	2I		
						DK	GN		SIL	2I		
						MD	PK		POT	2I		

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
0.00	4.29	4.29	0	0	0.00	0	--	--	--	
4.29	5.18	0.89	0.89	100	0.21	24	--	3H	2W	
5.18	8.23	3.05	3.05	100	2.07	68	--	3H	2W	
8.23	11.28	3.05	2.97	97	2.41	79	--	3H	2W	
11.28	14.33	3.05	3.05	100	2.25	74	--	3H	2W	
14.33	17.37	3.04	3.02	99	1.30	43	--	3H	2W	
17.37	20.42	3.05	2.53	83	0.70	23	--	4H	1W	
20.42	23.47	3.05	3	98	2.26	74	--	4H	1W	
23.47	26.52	3.05	3.04	100	2.23	73	--	4H	1W	
26.52	29.57	3.05	3.05	100	2.78	91	--	3H	1W	
29.57	32.61	3.04	3.01	99	2.44	80	--	4H	1W	
32.61	35.66	3.05	3.05	100	1.33	44	--	4H	1W	
35.66	38.71	3.05	2.97	97	2.02	66	--	4H	1W	
38.71	41.76	3.05	3.02	99	2.62	86	--	4H	1W	
41.76	44.81	3.05	3.05	100	2.43	80	--	3H	1W	
44.81	47.85	3.04	3	99	2.13	70	--	4H	1W	
47.85	50.90	3.05	3.05	100	2.04	67	--	3H	1W	
50.90	53.95	3.05	2.89	95	2.29	75	--	3H	1W	
53.95	57.00	3.05	3.05	100	1.85	61	--	4H	1W	
57.00	60.05	3.05	3.05	100	1.68	55	--	4H	1W	
60.05	63.09	3.04	2.96	97	2.27	75	--	4H	1W	
63.09	66.14	3.05	3	98	1.20	39	--	4H	1W	
66.14	69.19	3.05	3.05	100	2.00	66	--	4H	1W	
69.19	72.24	3.05	3.04	100	1.28	42	--	4H	1W	
72.24	75.29	3.05	3.01	99	1.51	50	--	4H	1W	
75.29	78.33	3.04	3.04	100	1.38	45	--	4H	1W	
78.33	81.38	3.05	3.05	100	1.96	64	--	4H	1W	
81.38	84.43	3.05	3.04	100	1.55	51	--	4H	1W	
84.43	87.48	3.05	2.99	98	2.36	77	--	4H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
87.48	90.53	3.05	3.05	100	2.26	74	--	4H	1W	
90.53	93.57	3.04	3.04	100	2.14	70	--	4H	1W	
93.57	96.62	3.05	3.03	99	2.09	69	--	4H	1W	
96.62	99.67	3.05	3.03	99	2.29	75	--	4H	1W	
99.67	102.72	3.05	2.99	98	2.50	82	--	4H	1W	
102.72	105.77	3.05	3.05	100	2.77	91	--	4H	1W	
105.77	108.81	3.04	2.99	98	2.67	88	--	4H	1W	
108.81	111.86	3.05	3.05	100	2.61	86	--	4H	1W	
111.86	114.91	3.05	2.93	96	2.55	84	--	4H	1W	
114.91	117.96	3.05	3.05	100	1.38	45	--	4H	1W	
117.96	121.01	3.05	2.92	96	2.18	71	--	4H	1W	
121.01	124.05	3.04	3.04	100	1.50	49	--	4H	1W	
124.05	127.10	3.05	3.05	100	3.05	100	--	5H	1W	
127.10	130.15	3.05	3.02	99	2.91	95	--	5H	1W	
130.15	133.20	3.05	3	98	1.72	56	--	4H	1W	
133.20	136.25	3.05	3.05	100	2.69	88	--	4H	1W	
136.25	139.29	3.04	3.03	100	2.22	73	--	4H	1W	
139.29	142.34	3.05	3.05	100	2.09	69	--	4H	1W	
142.34	145.39	3.05	3.05	100	2.60	85	--	4H	1W	
145.39	148.44	3.05	3.05	100	2.65	87	--	4H	1W	
148.44	151.49	3.05	2.99	98	1.97	65	--	4H	1W	
151.49	154.53	3.04	3.04	100	2.07	68	--	3H	1W	
154.53	157.58	3.05	3	98	1.38	45	--	3H	1W	
157.58	160.63	3.05	3.05	100	2.70	89	--	4H	1W	
160.63	163.68	3.05	2.94	96	2.49	82	--	4H	1W	
163.68	166.73	3.05	2.98	98	2.23	73	--	3H	1W	
166.73	169.77	3.04	3.01	99	2.32	76	--	3H	1W	
169.77	172.82	3.05	3.03	99	1.82	60	--	3H	1W	
172.82	175.87	3.05	3.01	99	1.82	60	--	3H	1W	
175.87	178.92	3.05	2.98	98	1.39	46	--	3H	1W	
178.92	181.97	3.05	3.02	99	2.80	92	--	4H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
181.97	185.01	3.04	3.04	100	2.84	93	--	4H	1W	
185.01	188.06	3.05	3.05	100	1.99	65	--	4H	1W	
188.06	191.11	3.05	3.05	100	2.65	87	--	4H	1W	
191.11	194.16	3.05	2.98	98	2.46	81	--	4H	1W	
194.16	197.21	3.05	3.05	100	2.07	68	--	3H	1W	
197.21	200.25	3.04	3.04	100	2.05	67	--	4H	1W	
200.25	203.30	3.05	2.95	97	2.35	77	--	3H	1W	
203.30	206.35	3.05	3	98	2.30	75	--	3H	1W	
206.35	209.40	3.05	3.03	99	1.61	53	--	3H	1W	
209.40	212.45	3.05	3.05	100	1.66	54	--	3H	1W	
212.45	215.49	3.04	3.04	100	1.37	45	--	3H	1W	
215.49	218.54	3.05	3.05	100	1.27	42	--	3H	1W	
218.54	221.59	3.05	3.05	100	2.07	68	--	4H	1W	
221.59	224.64	3.05	3.05	100	1.74	57	--	3H	1W	
224.64	227.69	3.05	3	98	2.31	76	--	3H	1W	
227.69	230.73	3.04	3.02	99	2.54	84	--	3H	1W	
230.73	233.78	3.05	3.02	99	2.60	85	--	3H	1W	
233.78	236.83	3.05	3.05	100	2.23	73	--	3H	1W	
236.83	239.88	3.05	3.04	100	1.99	65	--	4H	1W	
239.88	242.93	3.05	3.05	100	1.76	58	--	3H	1W	
242.93	245.98	3.05	3.05	100	2.66	87	--	4H	1W	
245.98	249.02	3.04	3	99	1.97	65	--	4H	1W	
249.02	252.07	3.05	3.05	100	2.01	66	--	4H	1W	
252.07	255.12	3.05	2.89	95	1.83	60	--	5H	1W	
255.12	258.17	3.05	3.02	99	1.79	59	--	5H	1W	
258.17	261.21	3.04	3.04	100	2.40	79	--	4H	1W	
261.21	264.26	3.05	3.05	100	2.03	67	--	4H	1W	

KL-15-277

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
0.00	0.00	0.00	-QC-	0.00	0	K289943	☐	15-108			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K289955	☐	15-108		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K289961	☐	15-108			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K289971	☐	15-110			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K289973	☐	15-110		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K289992	☐	15-110			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K289999	☐	15-110		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K290008	☐	15-112		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K290011	☐	15-112			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K290020	☐	15-112			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K289940	☐	15-108		KL-STD4	☐	☐	☐
27.01	27.51	0.50	GRD	0.50	100	K289930	☐	15-106			☐	☐	☐
27.51	27.81	0.30	GRD	0.30	100	K289931	☐	15-108			☐	☐	☐
27.81	28.31	0.50	GRD	0.50	100	K289932	☐	15-108			☐	☐	☐
41.36	41.84	0.48	GRD	0.48	100	K289933	☐	15-108			☐	☐	☐
41.84	42.16	0.32	GRD	0.32	100	K289934	☐	15-108			☐	☐	☐
42.16	42.81	0.65	GRD	0.65	100	K289935	☐	15-108			☐	☐	☐
42.81	43.34	0.53	GRD	0.52	98	K289936	☐	15-108			☐	☐	☐
43.34	43.84	0.50	GRD	0.50	100	K289937	☐	15-108			☐	☐	☐
110.00	110.50	0.50	GRD	0.50	100	K289938	☐	15-108			☐	☐	☐
110.50	111.27	0.77	GRD	0.77	100	K289939	☐	15-108			☐	☐	☐
111.27	112.10	0.83	GRD	0.83	100	K289941	☐	15-108			☐	☐	☐
112.10	112.41	0.31	GRD	0.31	100	K289942	☐	15-108			☐	☐	☐
112.41	112.71	0.30	GRD	0.30	100	K289944	☐	15-108			☐	☐	☐
112.71	113.22	0.51	GRD	0.51	100	K289945	☐	15-108			☐	☐	☐
146.81	148.33	1.52	GRD	1.51	99	K289946	☐	15-108			☐	☐	☐
148.33	149.35	1.02	GRD	1.02	100	K289947	☐	15-108			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
148.33	149.35	1.02	GRD	1.02	100	K289948	☐	15-108			☐	☐	☑
149.35	152.25	2.90	GRD	2.84	98	K289949	☐	15-108			☐	☐	☐
152.25	153.13	0.88	GRD	0.88	100	K289950	☐	15-108			☐	☐	☐
153.13	156.01	2.88	GRD	2.83	98	K289951	☐	15-108			☐	☐	☐
156.01	157.83	1.82	GRD	1.81	99	K289952	☐	15-108			☐	☐	☐
156.01	157.83	1.82	GRD	1.81	99	K289953	☐	15-108			☐	☑	☐
157.83	158.48	0.65	GRD	0.65	100	K289954	☐	15-108			☐	☐	☐
158.48	159.88	1.40	GRD	1.40	100	K289956	☐	15-108			☐	☐	☐
159.88	160.63	0.75	GRD	0.75	100	K289957	☐	15-108			☐	☐	☐
160.63	163.68	3.05	GRD	2.98	98	K289958	☐	15-108			☐	☐	☐
163.68	165.88	2.20	GRD	2.16	98	K289959	☐	15-108			☐	☐	☐
165.88	166.68	0.80	GRD	0.80	100	K289960	☐	15-108			☐	☐	☐
166.68	167.18	0.50	QFP	0.50	100	K289962	☐	15-108			☐	☐	☐
174.42	174.97	0.55	QFP	0.53	96	K289963	☐	15-108			☐	☐	☐
174.97	175.58	0.61	QFP	0.61	100	K289964	☐	15-108			☐	☐	☐
175.58	176.83	1.25	GRD	1.25	100	K289965	☐	15-108			☐	☐	☐
176.83	177.81	0.98	GRD	0.92	94	K289966	☐	15-108			☐	☐	☐
177.81	178.92	1.11	GRD	1.11	100	K289967	☐	15-110			☐	☐	☐
178.92	181.04	2.12	GRD	2.12	100	K289968	☐	15-110			☐	☐	☐
181.04	181.61	0.57	GRD	0.57	100	K289969	☐	15-110			☐	☐	☐
181.61	182.08	0.47	GRD	0.46	98	K289970	☐	15-110			☐	☐	☐
182.08	184.23	2.15	GRD	2.15	100	K289972	☐	15-110			☐	☐	☐
184.23	184.74	0.51	GRD	0.51	100	K289974	☐	15-110			☐	☐	☐
184.74	185.25	0.51	GRD	0.49	96	K289975	☐	15-110			☐	☐	☐
185.25	185.76	0.51	GRD	0.51	100	K289976	☐	15-110			☐	☐	☐
185.76	187.46	1.70	GRD	1.35	79	K289977	☐	15-110			☐	☐	☐
187.46	188.41	0.95	GRD	0.94	99	K289978	☐	15-110			☐	☐	☐
188.41	191.11	2.70	GRD	2.70	100	K289979	☐	15-110			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
188.41	191.11	2.70	GRD	2.70	100	K289980	☐	15-110			☐	☐	☑
191.11	194.16	3.05	GRD	3.00	98	K289981	☐	15-110			☐	☐	☐
194.16	195.07	0.91	GRD	0.89	98	K289982	☐	15-110			☐	☐	☐
195.07	197.25	2.18	GRD	2.17	100	K289983	☐	15-110			☐	☐	☐
197.25	199.10	1.85	GRD	1.85	100	K289984	☐	15-110			☐	☐	☐
197.25	199.10	1.85	GRD	1.85	100	K289985	☐	15-110			☐	☑	☐
199.10	201.35	2.25	GRD	2.25	100	K289986	☐	15-110			☐	☐	☐
201.35	201.76	0.41	GRD	0.37	90	K289987	☐	15-110			☐	☐	☐
201.76	203.30	1.54	GRD	1.48	96	K289988	☐	15-110			☐	☐	☐
203.30	205.55	2.25	GRD	2.15	96	K289989	☐	15-110			☐	☐	☐
205.55	206.53	0.98	GRD	0.95	97	K289990	☐	15-110			☐	☐	☐
206.53	207.26	0.73	GRD	0.73	100	K289991	☐	15-110			☐	☐	☐
207.26	208.38	1.12	GRD	1.12	100	K289993	☐	15-110			☐	☐	☐
208.38	209.40	1.02	GRD	1.00	98	K289994	☐	15-110			☐	☐	☐
209.40	211.13	1.73	GRD	1.73	100	K289995	☐	15-110			☐	☐	☐
211.13	214.12	2.99	GRD	2.95	99	K289996	☐	15-110			☐	☐	☐
214.12	215.60	1.48	GRD	1.46	99	K289997	☐	15-110			☐	☐	☐
215.60	216.18	0.58	GRD	0.57	98	K289998	☐	15-110			☐	☐	☐
216.18	216.98	0.80	GRD	0.80	100	K290000	☐	15-110			☐	☐	☐
216.98	217.42	0.44	GRD	0.43	98	K290001	☐	15-110			☐	☐	☐
217.42	217.97	0.55	GRD	0.55	100	K290002	☐	15-110			☐	☐	☐
228.60	229.62	1.02	GRD	1.02	100	K290003	☐	15-112			☐	☐	☐
229.62	229.93	0.31	GRD	0.31	100	K290004	☐	15-112			☐	☐	☐
229.93	231.38	1.45	GRD	1.45	100	K290005	☐	15-112			☐	☐	☐
231.38	233.42	2.04	GRD	2.04	100	K290006	☐	15-112			☐	☐	☐
233.42	233.72	0.30	GRD	0.30	100	K290007	☐	15-112			☐	☐	☐
233.72	234.33	0.61	GRD	0.60	98	K290009	☐	15-112			☐	☐	☐
234.33	234.82	0.49	GRD	0.49	100	K290010	☐	15-112			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
234.82	235.49	0.67	GRD	0.67	100	K290012	☐	15-112			☐	☐	☐
235.49	235.98	0.49	GRD	0.49	100	K290013	☐	15-112			☐	☐	☐
235.98	238.18	2.20	GRD	2.17	99	K290014	☐	15-112			☐	☐	☐
238.18	240.28	2.10	GRD	2.10	100	K290015	☐	15-112			☐	☐	☐
238.18	240.28	2.10	GRD	2.10	100	K290016	☐	15-112			☐	☐	☑
240.28	241.47	1.19	GRD	1.19	100	K290017	☐	15-112			☐	☐	☐
241.47	242.98	1.51	GRD	1.51	100	K290018	☐	15-112			☐	☐	☐
242.98	243.50	0.52	GRD	0.52	100	K290019	☐	15-112			☐	☐	☐
243.50	244.85	1.35	GRD	1.35	100	K290021	☐	15-112			☐	☐	☐
244.85	246.00	1.15	GRD	1.15	100	K290022	☐	15-112			☐	☐	☐
246.00	246.48	0.48	GRD	0.48	100	K290023	☐	15-112			☐	☐	☐
246.48	248.93	2.45	GRD	2.44	100	K290024	☐	15-112			☐	☐	☐
248.93	250.50	1.57	GRD	1.57	100	K290025	☐	15-112			☐	☐	☐
250.50	251.11	0.61	GRD	0.61	100	K290026	☐	15-112			☐	☐	☐

Klaza - Klaza Project

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		382362	6890537	1324.25	267.31

ZONE: Central Klaza

SECTION:

HOLE: KL-15-278

CLAIM:

Contractor: Platinum

Drill: 2

Core Size: NQ2

Casing Depth: 4.07m, Out

Drilling Dates: Aug 04 - Aug 06, 2015

Geology Logged By: D. Walsh

SURVEY			
Depth (m)	Azimuth	Dip	Method
8.22	35.1	-49.5	Reflex
267.3	43.8	-48	Reflex

TARGET:

SUMMARY			
From (m)	To (m)	Interval (m)	Rock Type
0	4.07	4.07	CAS
4.07	11.48	7.41	GRD
11.48	72.74	61.26	GRD
72.74	106.7	33.96	GRD
106.7	115.04	8.34	QFP
115.04	141.44	26.4	GRD
141.44	145.45	4.01	GRD
145.45	148.07	2.62	QFP
148.07	154.08	6.01	GRD
154.08	156.51	2.43	GRD
156.51	158.78	2.27	QFP
158.78	165.64	6.86	GRD
165.64	195.97	30.33	GRD
195.97	203.3	7.33	GRD
203.3	204.92	1.62	GRD
204.92	205.3	0.38	QFP

SAMPLES	
Numbers:	K290027 to K290128, R499439 to R499441
Total:	105
Batch:	112, 114, 115, 116, 130
Certificates:	WH15121079, WH15121092, WH15123373, WH15123380, WH15123453

COMMENTS

205.3	221.17	15.87	GRD
221.17	221.68	0.51	QFP
221.68	235.17	13.49	GRD
235.17	236.66	1.49	GRD
236.66	242.3	5.64	GRD
242.3	248.2	5.9	GRD
248.2	256.49	8.29	GRD
256.49	267.31	10.82	GRD

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
4.07	11.48	7.41	GRD	MG	Pervasively weak to moderately oxidized alternating patches of unaltered granodiorite, patchy moderate argillic alteration, and strong oxidized moderate argillic alteration. Interval is highly fractured and rubbly in sections.							
						MD	OR	FR	OXI	3I		
						LT	OR	PA	OXI	2I		
						LT	WH		OXI	4I		
						LT	GY		ARG	3I		
									PHC	3I		
11.48	15.74	4.26	GRD	MG	Unaltered granodiorite with weak to moderate oxidation along fracture surfaces.							
						MD	OR		OXI	3I		
						MD	GY					
						LT	OR		OXI	2I		
						LT	GY					
15.74	16.50	0.76	GRD	MG	Pervasively oxidized patchy weak argillic and phyllic altered granodiorite. Oxidation obscures rock textures.							
						MD	OR	PA	ARG	2I		
						MD	GN		PHC	2I		
						LT	WH					
16.50	21.65	5.15	GRD	MG	Unaltered granodiorite with weak to moderate oxidation along fracture surfaces.							
						MD	OR		OXI	3I		
						MD	GY					
						LT	OR		OXI	2I		
						LT	GY					
21.65	23.70	2.05	GRD	MG	Pervasively oxidized with patchy moderate argillic and phyllic altered granodiorite. Phyllic alteration hosts quartz/carbonate veining. Oxidation obscures rock texture.							
						MD	OR	PA	PHC	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GN		ARG	3I		
23.70	24.76	1.06	GRD	MG	Unaltered granodiorite with weak to moderate oxidation along fracture surfaces.							
						MD	GY					
						MD	OR		OXI	3I		
						LT	OR		OXI	2I		
						LT	GY					
24.76	32.00	7.24	GRD	MG	Pervasively moderately oxidized alternating patches of unaltered granodiorite, patchy moderate argillic alteration, and strong oxidized moderate argillic alteration. Oxidation obscures rock textures.							
						MD	OR	PA	ARG	3I		
						MD	GN					
						LT	GY		OXI	3I		
						LT	WH		PHC	3I		
32.00	63.02	31.02	GRD	MG	Unaltered granodiorite with weak to moderate oxidation along fracture surfaces. Occasional patches of moderate argillic alteration.							
						MD	OR	PA	OXI	3I		
						MD	GY		ARG	3I		
						LT	GY					
						LT	OR		OXI	2I		
63.02	70.41	7.39	GRD	MG	Three small moderate phyllic envelopes with large distal argillic/potassic halos around three quartz/carbonate/sulphide veins spaced ~2-3 meters apart. Argillic halos are separated by unaltered granodiorite.							
						MD	GY					
						MD	PK		POT	3I		
						LT	GN	EN	PHC	3I		
						LT	WH		ARG	2I		
70.41	72.74	2.33	GRD	MG	Unaltered granodiorite with weak oxidation along fracture surfaces.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	OR		OXI	2I		
						MD	GY					
						LT	OR					
						LT	GY					
72.74	77.25	4.51	GRD	MG	Unaltered granodiorite.							
						MD	GY					
						LT	GY					
77.25	79.44	2.19	GRD	MG	Moderately argillic, and weakly potassic/propyllitic altered granodiorite.							
						MD	PK		PRO	2I		
						LT	WH		ARG	3I		
						DK	GN		POT	2I		
79.44	84.64	5.20	GRD	MG	Unaltered granodiorite.							
						MD	GY					
						LT	GY					
84.64	89.29	4.65	GRD	MG	Moderate phyllic envelopes around two separate smoky quartz breccias (~2.5m apart). Phyllic envelopes transitions to large distal argillic/potassic halos.							
						MD	GN		ARG	3I		
						MD	PK					
						LT	GN	EN	PHC	3I		
						LT	WH		POT	2I		
89.29	91.24	1.95	GRD	MG	Unaltered granodiorite.							
						MD	GY					
						LT	GY					
91.24	92.27	1.03	GRD	MG	Weak to moderate phyllic envelope around quartz/carbonate breccia.							
						MD	GN		PHC	3I		
						LT	GN	EN	PHC	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
92.27	106.28	14.01	GRD	MG	Trace propyllitic/potassic altered granodiorite with minor phyllic envelopes around sporadic quartz+/-carbonate veining and patchy weak potassic/argillic alteration.							
						MD	GY		POT	1I		
						MD	GN		PHC	2I		
						MD	PK		POT	2I		
						LT	GY		PRO	1I		
						LT	WH		ARG	3I		
106.28	106.70	0.42	GRD	MG	Moderate argillic altered granodiorite with weak potassic/propyllitic alteration.							
						MD	PK					
						LT	WH					
						DK	GN					
106.70	115.04	8.34	QFP	FG	Medium grey/green quartz feldspar porphyry dyke that changes to medium purple at dyke contacts with granodiorite. Minor tan colors halos around the occasional white carbonate stringer.							
						MD	GY	PO				
						MD	GN					
						MD	PU					
115.04	115.30	0.26	GRD	MG	Moderate argillic/potassic altered granodiorite.							
						MD	PK		POT	3I		
						LT	WH		ARG	3I		
115.30	116.74	1.44	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite.							
						MD	GY		PRO	1I		
						MD	PK		POT	1I		
						DK	GN		PRO	2I		
									POT	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
116.74	117.61	0.87	GRD	MG	Moderate potassic/propyllitic altered granodiorite hosting quartz/carbonate/sulphide vein.							
						MD	PK		POT	3I		
						MD	GY					
						DK	GN		PRO	3I		
117.61	141.44	23.83	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite with small patches of argillic potassic alteration and minor phyllic envelopes around sporadic quartz/carbonate veins.							
						MD	GY		PRO	2I		
						MD	PK		POT	1I		
						DK	GN		PRO	1I		
									POT	2I		
141.44	145.45	4.01	GRD	MG	Silicified alternating patches moderate argillic/potassic alteration and potassic/propyllitic alteration.							
						MD	PK		POT	3I		
						LT	WH	PA	ARG	3I		
						DK	GN		PRO	3I		
145.45	148.07	2.62	QFP	FG	Grey/tan quartz feldspar porphyry dyke with patches of purple.							
						MD	TN	PA				
						MD	PU					
						MD	GY					
148.07	154.08	6.01	GRD	MG	Alternating patchy of moderate propyllitic alteration, moderate phyllic alteration and weak argillic/potassic alteration. Phyllic patches hosts minor quartz/carbonate veining.							
						MD	PK		POT	2I		
						MD	GN		PHC	3I		
						LT	WH	PA	PRO	3I		
						DK	GN		ARG	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
154.08	156.51	2.43	GRD	MG	Silicified moderate propyllitic/phyllic altered granodiorite.							
						MD	GN		PRO	3I		
						LT	GN		PHC	3I		
						DK	GN					
156.51	158.78	2.27	QFP	FG	Patchy light grey green and dark grey quartz feldspar porphyry dyke. Hosts an abundance of white carbonate stringers.							
						LT	GY					
						LT	GN					
						DK	GY					
158.78	165.64	6.86	GRD	MG	Moderate phyllic altered granodiorite with patchy weak propyllitic alteration throughout and sporadic patches of moderate argillic/potassic alteration. Phyllic alteration hosts a few quartz/carbonate veins and breccias.							
						MD	GN		PRO	2I		
						LT	GN		PHC	3I		
						DK	GN		POT	2I		
									ARG	3I		
165.64	166.86	1.22	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite.							
						MD	GY		PRO	1I		
						MD	PK		POT	1I		
						DK	GN		PRO	2I		
									POT	2I		
166.86	167.67	0.81	GRD	MG	Moderate phyllic altered granodiorite envelope surrounding two quartz/carbonate/sulphide vein.							
						MD	GN					
						LT	GN	EN	PHC	3I		
167.67	171.36	3.69	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite..							
						MD	PK		POT	1I		
						MD	GY		PRO	1I		
						DK	GN		PRO	2I		
									POT	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
171.36	174.58	3.22	GRD	MG	Moderate phyllic/propyllitic altered granodiorite hosting multiple quartz/carbonate/sulphide veins. Phyllic alteration contains a few small patches of trace to weak propyllitic/potassic altered granodiorite.							
						MD	GN		PRO	3I		
						LT	GN		PHC	3I		
						DK	GN					
174.58	178.39	3.81	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite.							
						MD	GY		PRO	1I		
						MD	PK		POT	1I		
						DK	GN		PRO	2I		
									POT	2I		
178.39	180.05	1.66	GRD	MG	Moderate phyllic envelope hosting a quartz/carbonate/sulphide vein and multiple carbonate veinlets.							
						MD	GN	EN	PHC	3I		
						LT	GN					
180.05	187.58	7.53	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite.							
						MD	GY		PRO	1I		
						MD	PK		POT	1I		
						DK	GN		PRO	2I		
									POT	2I		
187.58	189.59	2.01	GRD	MG	Moderate argillic, weak potassic altered granodiorite with minor phyllic envelopes around quartz/carbonate veining.							
						MD	PK		POT	2I		
						LT	GN		PHC	2I		
						LT	WH		ARG	3I		
189.59	195.97	6.38	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite.							
						MD	PK		POT	1I		
						MD	GY		PRO	1I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						DK	GN		PRO	2I		
									POT	2I		
195.97	203.30	7.33	GRD	MG	Moderate to strongly silicified phyllic/propyllitic altered granodiorite. Hosts sporadic quartz/carbonate/sulphide veining with occasional patchy weak gouge alteration.							
						MD	GN		PRO	3I		
						LT	GN		SIL	4I		
						DK	GN		PHC	3I		
203.30	204.92	1.62	GRD	MG	Weak to moderate potassic/propyllitic altered granodiorite.							
						MD	GY		PRO	2I		
						MD	PK		POT	2I		
						DK	GN		PRO	3I		
									POT	3I		
204.92	205.30	0.38	QFP	FG	Strongly silicified brown quartz feldspar porphyry dyke that has been brecciated by white calcite.							
						MD	BN	BX	SIL	4I		
205.30	221.17	15.87	GRD	MG	Moderate to strongly silicified phyllic/propyllitic altered granodiorite. Hosts sporadic quartz/carbonate/sulphide veining with occasional patchy strong gouge alteration.							
						MD	GN		PRO	3I		
						LT	GN		SIL	4I		
						DK	GN		PHC	3I		
221.17	221.68	0.51	QFP	MG	Silicified medium to dark grey quartz feldspar porphyry dyke. Hosts disseminated pyrite and multiple white carbonate stringers.							
						MD	GY	PO	SIL	4I	Py	0.1
						DK	GY					
221.68	235.17	13.49	GRD	MG	Silicified weak to moderately phyllic/propyllitic altered granodiorite. Hosts a few patches of strong gouge alteration and a few quartz/carbonate veins.							
						MD	GN		PRO	3I		
						LT	GN		PRO	2I		
						DK	GN		PHC	3I		
									PHC	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
235.17	236.66	1.49	GRD	MG	Weak potassic/propyllitic altered granodiorite.							
						MD	PK					
						MD	GY		PRO	2I		
						DK	GN		POT	2I		
236.66	242.30	5.64	GRD	MG	Silicified moderate to strong phyllic altered granodiorite with patchy weak propyllitic alteration. Hosts the central klaza vein along with multiple smaller quartz/carbonate/sulphide veins within proximity of the larger vein.							
						MD	GN		SIL	4I		
						LT	GN		SIL	3I		
						DK	GN		PHC	3I		
									PHC	4I		
									PRO	2I		
242.30	248.20	5.90	GRD	MG	Weak to moderate potassic/propyllitic altered granodiorite.							
						MD	PK		PRO	3I		
						LT	GY		POT	2I		
						DK	GN		PRO	2I		
									POT	3I		
248.20	256.49	8.29	GRD	MG	Moderate phyllic altered granodiorite with patchy weak propyllitic alteration. Hosts an abundance of spaced out quartz/carbonate/sulphide veins.							
						MD	GN		PRO	2I		
						LT	GN		PHC	3I		
						DK	GN					
256.49	267.31	10.82	GRD	MG	Trace potassic/propyllitic altered granodiorite with moderate potassic/propyllitic and potassic/argillic alteration around minor barren carbonate veining.							
						MD	GY		PRO	1I		
						MD	PK		POT	1I		
						LT	WH		POT	3I		
						DK	GN		PRO	3I		
									ARG	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
4.07	11.48	7.41	GRD	MG	Pervasively weak to moderately oxidized alternating patches of unaltered granodiorite, patchy moderate argillic alteration, and strong oxidized moderate argillic alteration. Interval is highly fractured and rubbly in sections.							
						LT	WH		OXI	4I		
						MD	OR	FR	OXI	3I		
						LT	GY		ARG	3I		
									PHC	3I		
						LT	OR	PA	OXI	2I		
11.48	72.74	61.26	GRD	MG	Unaltered granodiorite with weak to moderate oxidation along fracture surfaces. Oxidation intensity decreases with depth. Has patchy argillic alteration and proximal phyllic, distal argillic envelopes around quartz/carbonate+/-sulphide veining.							
						LT	WH					
						LT	GY					
						MD	GY					
						LT	OR		OXI	2I		
						MD	OR		OXI	3I		
72.74	106.70	33.96	GRD	MG	Primarily unaltered granodiorite with occasion quartz/carbonate vein or brecciation surrounded by phyllic and distal argillic/potassic alteration.							
						LT	GY					
						MD	GY					
106.70	115.04	8.34	QFP	FG	Medium grey/green quartz feldspar porphyry dyke that changes to medium purple at dyke contacts with granodiorite. Minor tan colors halos around the occasional white carbonate stringer.							
						MD	GY	PO				
						MD	GN					
						MD	PU					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
115.04	141.44	26.40	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite with small patches of argillic potassic alteration and minor phyllic envelopes around sporadic quartz/carbonate veins.							
						LT	GY		PRO	1I		
						MD	GY		POT	1I		
						DK	GN		PRO	2I		
						MD	PK		POT	2I		
141.44	145.45	4.01	GRD	MG	Silicified alternating patches moderate argillic/potassic alteration and potassic/propyllitic alteration.							
						LT	WH	PA	ARG	3I		
						MD	PK		POT	3I		
						DK	GN		PRO	3I		
145.45	148.07	2.62	QFP	FG	Grey/tan quartz feldspar porphyry dyke with patches of purple.							
						MD	TN	PA				
						MD	GY					
						MD	PU					
148.07	154.08	6.01	GRD	MG	Alternating patchy of moderate propyllitic alteration, moderate phyllic alteration and weak argillic/potassic alteration. Phyllic patches hosts minor quartz/carbonate veining.							
						MD	GN		PHC	3I		
						LT	WH	PA	PRO	3I		
						MD	PK		POT	2I		
						DK	GN		ARG	3I		
154.08	156.51	2.43	GRD	MG	Silicified moderate propyllitic/phyllic altered granodiorite.							
						LT	GN		PHC	3I		
						DK	GN					
						MD	GN		PRO	3I		
156.51	158.78	2.27	QFP	FG	Patchy light grey green and dark grey quartz feldspar porphyry dyke. Hosts an abundance of white carbonate stringers.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						DK	GY					
						LT	GN					
						LT	GY					
158.78	165.64	6.86	GRD	MG	Moderate phyllic altered granodiorite with patchy weak propyllitic alteration throughout and sporadic patches of moderate argillic/potassic alteration. Phyllic alteration hosts a few quartz/carbonate veins and breccias.							
						MD	GN		PRO	2I		
									ARG	3I		
						LT	GN		PHC	3I		
						DK	GN		POT	2I		
165.64	195.97	30.33	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite. Multiple moderate phyllic envelopes around quartz/carbonate throughout the interval.							
						MD	PK		POT	1I		
						MD	GY		PRO	1I		
									POT	2I		
						DK	GN		PRO	2I		
195.97	203.30	7.33	GRD	MG	Moderate to strongly silicified phyllic/propyllitic altered granodiorite. Hosts sporadic quartz/carbonate/sulphide veining with occasional patchy weak gouge alteration.							
						LT	GN		SIL	4I		
						DK	GN		PHC	3I		
						MD	GN		PRO	3I		
203.30	204.92	1.62	GRD	MG	Weak to moderate potassic/propyllitic altered granodiorite.							
						MD	GY		PRO	2I		
						DK	GN		PRO	3I		
									POT	3I		
						MD	PK		POT	2I		
204.92	205.30	0.38	QFP	FG	Strongly silicified brown quartz feldspar porphyry dyke that has been brecciated by white calcite.							
						MD	BN	BX	SIL	4I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
205.30	221.17	15.87	GRD	MG	Moderate to strongly silicified phyllic/propyllitic altered granodiorite. Hosts sporadic carbonate+/-quartz veining with occasional patchy strong gouge alteration.							
						DK	GN		PHC	3I		
						LT	GN		SIL	4I		
						MD	GN		PRO	3I		
221.17	221.68	0.51	QFP	MG	Silicified medium to dark grey quartz feldspar porphyry dyke. Hosts disseminated pyrite and multiple white carbonate stringers.							
						MD	GY	PO	SIL	4I	Py	0.1
						DK	GY					
221.68	235.17	13.49	GRD	MG	Silicified weak to moderately phyllic/propyllitic altered granodiorite. Hosts a few patches of strong gouge alteration and a few quartz/carbonate veins.							
						DK	GN		PHC	3I		
						MD	GN		PRO	3I		
									PHC	2I		
						LT	GN		PRO	2I		
235.17	236.66	1.49	GRD	MG	Weak potassic/propyllitic altered granodiorite.							
						MD	PK					
						DK	GN		POT	2I		
						MD	GY		PRO	2I		
236.66	242.30	5.64	GRD	MG	Silicified moderate to strong phyllic altered granodiorite with patchy weak propyllitic alteration. Hosts the central klaza vein along with multiple smaller quartz/carbonate/sulphide veins within proximity of the larger vein.							
						DK	GN		PHC	3I		
						MD	GN		SIL	4I		
									PHC	4I		
									PRO	2I		
						LT	GN		SIL	3I		
242.30	248.20	5.90	GRD	MG	Weak to moderate potassic/propyllitic altered granodiorite.							
						DK	GN		PRO	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	PK		PRO	3I		
						LT	GY		POT	2I		
									POT	3I		
248.20	256.49	8.29	GRD	MG	Moderate phyllic altered granodiorite with patchy weak propyllitic alteration. Hosts an abundance of spaced out quartz/carbonate/sulphide veins.							
						LT	GN		PHC	3I		
						MD	GN		PRO	2I		
						DK	GN					
256.49	267.31	10.82	GRD	MG	Trace potassic/propyllitic altered granodiorite with moderate potassic/propyllitic and potassic/argillic alteration around minor barren carbonate veining.							
						MD	GY		PRO	1I		
						DK	GN		PRO	3I		
						MD	PK		POT	1I		
									ARG	3I		
						LT	WH		POT	3I		

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
0.00	4.17	4.17	0	0	0.00	0	--	--	--	Casing
4.17	5.18	1.01	0.76	75	0.00	0	--	3H	3W	
5.18	8.23	3.05	2.83	93	0.48	16	--	3H	3W	
8.23	11.28	3.05	2.74	90	0.27	9	--	3H	3W	
11.28	14.33	3.05	2.85	93	0.78	26	--	3H	3W	
14.33	17.37	3.04	2.71	89	1.09	36	--	2H	3W	
17.37	20.42	3.05	2.9	95	0.78	26	--	2H	3W	
20.42	23.47	3.05	3.05	100	2.18	71	--	3H	3W	
23.47	26.52	3.05	3.01	99	2.20	72	--	3H	3W	
26.52	29.57	3.05	3.05	100	2.25	74	--	3H	3W	
29.57	32.61	3.04	2.97	98	2.13	70	--	3H	2W	
32.61	35.66	3.05	3.03	99	2.17	71	--	3H	2W	
35.66	38.71	3.05	3.05	100	1.65	54	--	3H	2W	
38.71	41.76	3.05	2.94	96	1.84	60	--	3H	2W	
41.76	44.81	3.05	2.93	96	2.03	67	--	3H	2W	
44.81	47.85	3.04	3.04	100	2.61	86	--	3H	2W	
47.85	50.90	3.05	3	98	2.17	71	--	3H	2W	
50.90	53.95	3.05	3.02	99	2.39	78	--	3H	2W	
53.95	57.00	3.05	2.89	95	2.45	80	--	3H	2W	
57.00	60.04	3.04	3.03	100	2.43	80	--	5H	1W	
60.04	63.09	3.05	3.05	100	2.21	72	--	4H	1W	
63.09	66.14	3.05	3.02	99	2.44	80	--	4H	1W	
66.14	69.19	3.05	3.02	99	2.40	79	--	4H	1W	
69.19	72.24	3.05	3.05	100	2.09	69	--	4H	1W	
72.24	75.29	3.05	3.05	100	2.73	90	--	5H	1W	
75.29	78.33	3.04	3.04	100	2.81	92	--	4H	1W	
78.33	81.38	3.05	3.05	100	2.68	88	--	4H	1W	
81.38	84.43	3.05	3.05	100	2.81	92	--	4H	1W	
84.43	87.48	3.05	3	98	2.35	77	--	4H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
87.48	90.53	3.05	3	98	2.64	87	--	4H	1W	
90.53	93.57	3.04	3.04	100	2.78	91	--	4H	1W	
93.57	96.62	3.05	3.05	100	2.22	73	--	5H	1W	
96.62	99.67	3.05	2.99	98	2.08	68	--	5H	1W	
99.67	102.72	3.05	3.05	100	2.64	87	--	5H	1W	
102.72	105.77	3.05	3.05	100	2.84	93	--	5H	1W	
105.77	108.81	3.04	3	99	2.56	84	--	4H	1W	
108.81	111.86	3.05	3.05	100	1.96	64	--	4H	1W	
111.86	114.91	3.05	3.05	100	2.58	85	--	4H	1W	
114.91	117.96	3.05	3.05	100	2.61	86	--	4H	1W	
117.96	121.00	3.04	3.02	99	2.35	77	--	4H	1W	
121.00	124.05	3.05	3.05	100	2.93	96	--	4H	1W	
124.05	127.10	3.05	2.86	94	1.86	61	--	4H	1W	
127.10	130.15	3.05	3.05	100	2.74	90	--	4H	1W	
130.15	133.20	3.05	3.04	100	2.40	79	--	4H	1W	
133.20	136.25	3.05	3.02	99	2.23	73	--	4H	1W	
136.25	139.29	3.04	3.04	100	2.83	93	--	4H	1W	
139.29	142.34	3.05	3.05	100	2.89	95	--	4H	1W	
142.34	145.39	3.05	3.05	100	2.97	97	--	4H	1W	
145.39	148.44	3.05	3.05	100	2.99	98	--	4H	1W	
148.44	151.49	3.05	3.04	100	2.93	96	--	3H	1W	
151.49	154.53	3.04	3.04	100	2.88	95	--	4H	1W	
154.53	157.58	3.05	3.01	99	2.24	73	--	3H	1W	
157.58	160.63	3.05	3.05	100	2.89	95	--	3H	1W	
160.63	163.68	3.05	3.01	99	2.47	81	--	3H	1W	
163.68	166.73	3.05	3.05	100	2.75	90	--	4H	1W	
166.73	169.77	3.04	3.04	100	2.85	94	--	4H	1W	
169.77	172.82	3.05	3	98	2.57	84	--	4H	1W	
172.82	175.87	3.05	3.05	100	2.39	78	--	4H	1W	
175.87	178.92	3.05	3.05	100	2.56	84	--	4H	1W	
178.92	181.97	3.05	3	98	2.70	89	--	4H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
181.97	185.01	3.04	3.04	100	2.39	79	--	5H	1W	
185.01	188.06	3.05	3.04	100	2.65	87	--	5H	1W	
188.06	191.11	3.05	3.05	100	2.96	97	--	5H	1W	
191.11	194.16	3.05	3	98	2.70	89	--	5H	1W	
194.16	197.21	3.05	3.05	100	2.88	94	--	4H	1W	
197.21	200.25	3.04	3.04	100	1.67	55	--	3H	1W	
200.25	203.30	3.05	3.05	100	2.59	85	--	4H	1W	
203.30	206.35	3.05	3.05	100	0.43	14	--	3H	1W	
206.35	209.40	3.05	3.05	100	1.07	35	--	3H	1W	
209.40	212.45	3.05	3	98	2.05	67	--	4H	1W	
212.45	215.49	3.04	3.04	100	2.47	81	--	4H	1W	
215.49	218.54	3.05	3.05	100	2.03	67	--	4H	1W	
218.54	221.59	3.05	3.05	100	1.75	57	--	4H	1W	
221.59	224.64	3.05	3.05	100	1.90	62	--	3H	1W	
224.64	227.69	3.05	3.05	100	1.38	45	--	3H	1W	
227.69	230.73	3.04	3.04	100	2.39	79	--	4H	1W	
230.73	233.78	3.05	3.05	100	2.64	87	--	4H	1W	
233.78	236.83	3.05	3.04	100	2.69	88	--	4H	1W	
236.83	239.88	3.05	3.03	99	2.40	79	--	3H	1W	
239.88	242.93	3.05	3	98	0.98	32	--	3H	1W	
242.93	245.97	3.04	3.04	100	2.78	91	--	3H	1W	
245.97	249.02	3.05	3.05	100	2.01	66	--	4H	1W	
249.02	252.07	3.05	3.02	99	2.52	83	--	4H	1W	
252.07	255.12	3.05	3.05	100	2.56	84	--	4H	1W	
255.12	258.17	3.05	3	98	2.84	93	--	4H	1W	
258.17	261.21	3.04	3.04	100	2.70	89	--	4H	1W	
261.21	264.26	3.05	3.05	100	2.89	95	--	4H	1W	
264.26	267.31	3.05	3.04	100	2.27	74	--	5H	1W	

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
0.00	0.00	0.00	-QC-	0.00	0	K290048	☐	15-114			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K290058	☐	15-114		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K290066	☐	15-114		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K290071	☐	15-114			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K290083	☐	15-115			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K290091	☐	15-115		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K290097	☐	15-115			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K290106	☐	15-115		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K290116	☐	15-116			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K290121	☐	15-116		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K290028	☐	15-112		KL-STD4	☐	☐	☐
21.25	21.75	0.50	GRD	0.50	100	K290027	☐	15-112			☐	☐	☐
21.75	22.38	0.63	GRD	0.63	100	K290029	☐	15-112			☐	☐	☐
22.38	22.68	0.30	GRD	0.30	100	K290030	☐	15-112			☐	☐	☐
22.68	23.47	0.79	GRD	0.79	100	K290031	☐	15-112			☐	☐	☐
23.47	25.12	1.65	GRD	1.65	100	K290032	☐	15-112			☐	☐	☐
23.47	25.12	1.65	GRD	1.65	100	K290033	☐	15-112			☐	☑	☐
25.12	27.36	2.24	GRD	2.24	100	K290034	☐	15-112			☐	☐	☐
27.36	27.86	0.50	GRD	0.50	100	K290035	☐	15-112			☐	☐	☐
27.86	28.68	0.82	GRD	0.82	100	K290036	☐	15-112			☐	☐	☐
62.98	63.45	0.47	GRD	0.47	100	K290037	☐	15-112			☐	☐	☐
63.45	63.81	0.36	GRD	0.36	100	K290038	☐	15-112			☐	☐	☐
63.81	64.36	0.55	GRD	0.52	95	K290039	☐	15-114			☐	☐	☐
64.36	66.14	1.78	GRD	1.78	100	K290040	☐	15-114			☐	☐	☐
66.14	69.13	2.99	GRD	2.99	100	K290041	☐	15-114			☐	☐	☐
66.14	69.13	2.99	GRD	2.99	100	K290042	☐	15-114			☐	☑	☐
69.13	69.65	0.52	GRD	0.52	100	K290043	☐	15-114			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
69.65	69.97	0.32	GRD	0.32	100	K290044	☐	15-114			☐	☐	☐
69.97	70.47	0.50	GRD	0.50	100	K290045	☐	15-114			☐	☐	☐
90.96	91.48	0.52	GRD	0.52	100	K290046	☐	15-114			☐	☐	☐
91.48	92.05	0.57	GRD	0.57	100	K290047	☐	15-114			☐	☐	☐
92.05	93.55	1.50	GRD	0.50	33	K290049	☐	15-114			☐	☐	☐
116.28	116.78	0.50	GRD	0.50	100	K290050	☐	15-114			☐	☐	☐
116.78	117.08	0.30	GRD	0.30	100	K290051	☐	15-114			☐	☐	☐
117.08	117.58	0.50	GRD	0.50	100	K290052	☐	15-114			☐	☐	☐
158.83	159.79	0.96	GRD	0.96	100	K290053	☐	15-114			☐	☐	☐
159.79	161.15	1.36	GRD	1.36	100	K290054	☐	15-114			☐	☐	☐
159.79	161.15	1.36	GRD	1.36	100	K290055	☐	15-114			☐	☐	☑
161.15	161.64	0.49	GRD	0.49	100	K290056	☐	15-114			☐	☐	☐
161.64	162.08	0.44	GRD	0.44	100	K290057	☐	15-114			☐	☐	☐
162.08	164.05	1.97	GRD	1.94	98	K290059	☐	15-114			☐	☐	☐
164.05	164.54	0.49	GRD	0.49	100	K290060	☐	15-114			☐	☐	☐
164.54	165.08	0.54	GRD	0.54	100	K290061	☐	15-114			☐	☐	☐
165.08	165.71	0.63	GRD	0.63	100	K290062	☐	15-114			☐	☐	☐
165.71	167.09	1.38	GRD	1.38	100	K290063	☐	15-114			☐	☐	☐
167.09	167.55	0.46	GRD	0.46	100	K290064	☐	15-114			☐	☐	☐
167.55	169.77	2.22	GRD	2.22	100	K290065	☐	15-114			☐	☐	☐
169.77	171.47	1.70	GRD	1.60	94	K290067	☐	15-114			☐	☐	☐
171.47	172.08	0.61	GRD	0.60	98	K290068	☐	15-114			☐	☐	☐
172.08	172.68	0.60	GRD	0.60	100	K290069	☐	15-114			☐	☐	☐
172.68	173.02	0.34	GRD	0.34	100	K290070	☐	15-114			☐	☐	☐
173.02	173.88	0.86	GRD	0.86	100	K290072	☐	15-114			☐	☐	☐
173.88	174.32	0.44	GRD	0.44	100	K290073	☐	15-114			☐	☐	☐
174.32	174.84	0.52	GRD	0.50	96	K290074	☐	15-114			☐	☐	☐
193.75	195.03	1.28	GRD	1.27	99	K290075	☐	15-115			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
195.03	196.16	1.13	GRD	1.13	100	K290076	☐	15-115			☐	☐	☐
196.16	196.56	0.40	GRD	0.40	100	K290077	☐	15-115			☐	☐	☐
196.56	198.66	2.10	GRD	2.07	99	K290078	☐	15-115			☐	☐	☐
198.66	199.88	1.22	GRD	1.09	89	K290079	☐	15-115			☐	☐	☐
198.66	199.88	1.22	GRD	1.09	89	K290080	☐	15-115			☐	☐	☑
199.88	202.79	2.91	GRD	2.82	97	K290081	☐	15-115			☐	☐	☐
202.79	203.30	0.51	GRD	0.51	100	K290082	☐	15-115			☐	☐	☐
203.30	204.96	1.66	GRD, GRD	1.27	77	K290084	☐	15-115			☐	☐	☐
204.96	205.32	0.36	QFP	0.35	97	K290085	☐	15-115			☐	☐	☐
205.32	208.10	2.78	GRD	2.77	100	K290086	☐	15-115			☐	☐	☐
208.10	210.71	2.61	GRD	2.50	96	K290087	☐	15-115			☐	☐	☐
210.71	213.07	2.36	GRD	2.12	90	K290088	☐	15-115			☐	☐	☐
210.71	213.07	2.36	GRD	2.12	90	K290089	☐	15-115			☐	☑	☐
213.07	216.00	2.93	GRD	2.86	98	K290090	☐	15-115			☐	☐	☐
216.00	218.39	2.39	GRD	2.24	94	K290092	☐	15-115			☐	☐	☐
218.39	219.54	1.15	GRD	1.15	100	K290093	☐	15-115			☐	☐	☐
219.54	220.13	0.59	GRD	0.59	100	K290094	☐	15-115			☐	☐	☐
220.13	221.15	1.02	GRD	1.02	100	K290095	☐	15-115			☐	☐	☐
221.15	221.67	0.52	GRD	0.51	98	K290096	☐	15-115			☐	☐	☐
221.67	224.64	2.97	QFP	2.93	99	K290098	☐	15-115			☐	☐	☐
224.64	225.91	1.27	GRD	1.27	100	K290099	☐	15-115			☐	☐	☐
225.91	226.34	0.43	GRD	0.43	100	K290100	☐	15-115			☐	☐	☐
226.34	227.96	1.62	GRD	1.62	100	K290101	☐	15-115			☐	☐	☐
227.96	230.73	2.77	GRD	2.77	100	K290102	☐	15-115			☐	☐	☐
230.73	233.78	3.05	GRD	2.98	98	K290103	☐	15-115			☐	☐	☐
233.78	235.15	1.37	GRD	1.37	100	K290104	☐	15-115			☐	☐	☐
235.15	236.83	1.68	GRD	1.65	98	K290105	☐	15-115			☐	☐	☐
236.83	238.11	1.28	GRD	1.27	99	K290107	☐	15-115			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
238.11	239.00	0.89	GRD	0.86	97	R499439	☐	15-130	HG		☐	☐	☐
238.11	239.00	0.89	GRD	0.86	97	R499440	☐	15-130	HG		☐	☐	☑
239.00	239.39	0.39	GRD	0.39	100	R499441	☐	15-130	HG		☐	☐	☐
239.39	240.25	0.86	GRD	0.85	99	K290108	☐	15-115			☐	☐	☐
240.25	240.86	0.61	GRD	0.61	100	K290109	☐	15-115			☐	☐	☐
240.86	241.51	0.65	GRD	0.65	100	K290110	☐	15-115			☐	☐	☐
241.51	242.34	0.83	GRD	0.73	88	K290111	☐	15-116			☐	☐	☐
242.34	243.80	1.46	GRD	1.46	100	K290112	☐	15-116			☐	☐	☐
243.80	245.97	2.17	GRD	2.17	100	K290113	☐	15-116			☐	☐	☐
245.97	247.10	1.13	GRD	1.13	100	K290114	☐	15-116			☐	☐	☐
247.10	247.40	0.30	GRD	0.30	100	K290115	☐	15-116			☐	☐	☐
247.40	248.78	1.38	GRD	1.37	99	K290117	☐	15-116			☐	☐	☐
248.78	249.87	1.09	GRD	1.09	100	K290118	☐	15-116			☐	☐	☐
249.87	250.17	0.30	GRD	0.30	100	K290119	☐	15-116			☐	☐	☐
250.17	252.07	1.90	GRD	1.89	99	K290120	☐	15-116			☐	☐	☐
252.07	253.18	1.11	GRD	1.11	100	K290122	☐	15-116			☐	☐	☐
253.18	253.79	0.61	GRD	0.60	98	K290123	☐	15-116			☐	☐	☐
253.79	254.52	0.73	GRD	0.73	100	K290124	☐	15-116			☐	☐	☐
254.52	255.26	0.74	GRD	0.73	99	K290125	☐	15-116			☐	☐	☐
254.52	255.26	0.74	GRD	0.73	99	K290126	☐	15-116			☐	☐	☑
255.26	256.08	0.82	GRD	0.81	99	K290127	☐	15-116			☐	☐	☐
256.08	256.58	0.50	GRD	0.50	100	K290128	☐	15-116			☐	☐	☐

Klaza - Klaza Project

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		381564	6889838	1282.14	514.2

ZONE: Western BRX

SECTION: BRX 9+400

HOLE: KL-15-279

CLAIM:

Contractor: Platinum

Drill: 1

Core Size: HQ-NQ2

Casing Depth: 6.67m, Out

Drilling Dates: Aug 05 - Aug 11, 2015

Geology Logged By: T. Cruz

SURVEY			
Depth (m)	Azimuth	Dip	Method
14.32	16	-63	Reflex
514.19	49.3	-56.7	Reflex

TARGET:

SUMMARY			
From (m)	To (m)	Interval (m)	Rock Type
0	6.67	6.67	CAS
6.67	20.27	13.6	GRD
20.27	114.64	94.37	GRD
114.64	125.56	10.92	GRD
125.56	180.72	55.16	GRD
180.72	187.15	6.43	GRD
187.15	212.94	25.79	GRD
212.94	216.89	3.95	GRD
216.89	217.78	0.89	GRD
217.78	219.71	1.93	GRD
219.71	223.15	3.44	GRD
223.15	358.75	135.6	GRD
358.75	358.94	0.19	QFP
358.94	359.28	0.34	GRD
359.28	371.62	12.34	GRD
371.62	384.32	12.7	GRD

SAMPLES	
Numbers:	K289720 to K289861, R499449 to R499450
Total:	144
Batch:	113, 117, 119, 122, 130
Certificates:	WH15121082, WH15123383, WH15123386, WH15123407, WH15123453

COMMENTS
Reduced at 216.17m

384.32	402.16	17.84	GRD
402.16	419.88	17.72	GRD
419.88	429.91	10.03	GRD
429.91	430.21	0.3	QFP
430.21	431.98	1.77	GRD
431.98	433.23	1.25	QFP
433.23	454.45	21.22	GRD
454.45	460.68	6.23	GRD
460.68	461.13	0.45	BXA
461.13	462.51	1.38	QFP
462.51	462.99	0.48	GRD
462.99	483.28	20.29	GRD
483.28	514.2	30.92	GRD

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
6.67	20.27	13.60	GRD	MG	Intensely oxidized and weathered granodiorite, with an orange interval of possible mineralization. Very few fragments of rock, most recovery is crumbled to clay and soil.							
						MD	OR	RB	LIM	3I		
						MD	BN	FR	OXI	5I		
						LT	BN	PB				
						DK	BN					
20.27	35.77	15.50	GRD	MG	Oxide staining, fracturing, and crumbling are strong in this section.							
						MD	GY	RB	OXI	3I		
						MD	BN	FR				
35.77	73.63	37.86	GRD	MG	A section of whole core was taken from 43.48-43.82m for lab lithology testing.							
						MD	GY		OXI	2I		
						MD	BN					
73.63	75.11	1.48	GRD	MG	Few quartz-carbonate veins and gouge seams with narrow phyllic halos.							
						MD	GY		PHC	2I		
						LT	GN		CLY	2I	Py	0.1
75.11	114.64	39.53	GRD	MG	Fresh granodiorite, cut by few quartz-carbonate veins and aplite dykelets.							
						MD	GY					
114.64	117.55	2.91	GRD	MG	Overlapping proximal phyllic and distal argillic halos around quartz-carbonate-pyrite veining, with weak potassic and propylitic overprints.							
						MD	GN		PRO	2I		
						LT	WH	ZO	ARG	2I		
						LT	GN	PA	PHC	3I	Py	0.5
						LT	PK	MO	POT	2I		
117.55	119.73	2.18	GRD	MG	Weakly altered granodiorite with silicification and clay along some fractures.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GY	RX	SIL	2I		
119.73	125.56	5.83	GRD	MG	Overlapping proximal phyllic and distal argillic halos around quartz-carbonate-pyrite veining, with weak potassic and propylitic overprints and gouge.							
						MD	PK	ZO	ARG	2I		
						LT	GN	PA	PHC	3I	Py	0.5
						LT	WH	MO	PRO	2I		
								FR	SIL	2I		
									CLY	1I		
125.56	151.61	26.05	GRD	MG	Fresher granodiorite with silicification and crosscutting aplite dykelets.							
						MD	GY	RX	SIL	2I		
								PA				
151.61	154.56	2.95	GRD	MG	Patch of weak argillic, potassic, and propylitic altered granodiorite.							
						MD	GN		POT	1I		
						MD	GY		PRO	2I		
						LT	PK					
						LT	WH		ARG	2I		
154.56	155.43	0.87	GRD	MG	Fresh, silicified granodiorite.							
						MD	GY		SIL	2I		
155.43	156.29	0.86	GRD	MG	Argillic, silicified, and propylitic altered granodiorite, cut by a banded quartz-carbonate-pyrite vein.							
						MD	GN		PRO	2I	Py	0.1
						LT	WH		ARG	2I		
									SIL	2I		
156.29	165.06	8.77	GRD	MG	Fresh granodiorite with patch silicification.							
						MD	GY		SIL	2I		
165.06	166.05	0.99	GRD	MG	Argillic granodiorite with weak-moderate potassic overprint and green clay on many fractures.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	PK		CLY	2I		
						LT	WH		ARG	2I		
						LT	GN		POT	2I		
166.05	180.72	14.67	GRD	MG	Fresh granodiorite with patch silicification.							
						MD	GY		SIL	2I		
180.72	187.15	6.43	GRD	MG	Pervasively phyllic and argillic altered granodiorite, with blebby pyrite throughout the groundmass. Silicification masks primary textures. Cut by few gouge seams.							
						MD	GN	RX	PHC	4I	Py	1
									SIL	3I		
									CLY	2I		
187.15	191.71	4.56	GRD	MG	Weakly silicified and fractured granodiorite, with calcite and clay on most fractures.							
						MD	GY	FR	SIL	2I		
									CLY	2I		
191.71	192.79	1.08	GRD	MG	Zoned proximal phyllic and distal argillic halo around thin hematite-bearing veinlets. There is a weak propylitic and potassic overprint throughout.							
						MD	GN		POT	2I		
						MD	PK		PHC	2I		
						LT	WH	ZO	ARG	3I	He	0.5
						LT	GN	MO	PRO	2I		
192.79	195.57	2.78	GRD	MG	Granodiorite with patchy silicification and propylitic alteration.							
						MD	GY	PA	SIL	2I		
						MD	GN		PRO	2I		
195.57	199.02	3.45	GRD	MG	Zoned proximal phyllic and distal argillic halos on quartz-carbonate veining hosting trace hematite. There is semipervasive propylitic overprint throughout.							
						MD	GN	ZO	PRO	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	GN	PA	PHC	3I	He	0.1
									ARG	2I		
199.02	203.46	4.44	GRD	MG	Silicified granodiorite with narrow propylitic-phyllic halos on crosscutting carbonate veinlets.							
						MD	GY	PA	SIL	2I		
						MD	GN		PRO	1I		
									PHC	1I		
203.46	205.61	2.15	GRD	MG	Propylitic and argillic altered granodiorite, cut by hematite-bearing veinlets and a gouge seam.							
						MD	GN		PRO	3I		
						LT	GN		PHC	2I	He	0.1
									CLY	2I		
205.61	212.94	7.33	GRD	MG	Silicified granodiorite with patches of fractured argillic alteration.							
						MD	GN	PA	PRO	2I		
						MD	GY	FR	ARG	2I		
									SIL	2I		
212.94	216.89	3.95	GRD	MG	Phyllic, propylitic, and silicified granodiorite cut by gouge seams and quartz-carbonate-pyrite veins. There are patches of weak potassic alteration.							
						MD	GN		SIL	2I	Py	0.1
						LT	GN	PA	PHC	3I	He	0.1
						LT	PK		ARG	2I		
									PRO	2I		
216.89	217.78	0.89	GRD	MG	Silicified granodiorite.							
						MD	GY		SIL	2I		
217.78	219.71	1.93	GRD	MG	Intensely silicified propylitic granodiorite, cut by a wide aplite dyke.							
						LT	OL	RX	SIL	5I		
						LT	PK					
219.71	223.15	3.44	GRD	MG	Weak pervasive argillic altered granodiorite, with overprinting moderate silicification and weak propylitic alteration.							
						MD	GN	RX	SIL	3I		
						LT	GN	PA	PRO	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
									PHC	2I		
									ARG	3I		
223.15	224.64	1.49	GRD	MG	Relatively fresh granodiorite, with patches of silicification and propylitic alteration. Cut by quartz-carbonate veinlets with narrow propylitic halos.							
								PA	SIL	2I		
									PRO	2I		
224.64	225.62	0.98	GRD	MG	Fractured, crumbled interval of moderate-strong argillic alteration.							
						MD	GN	FR	ARG	4I		
						LT	GY	RB				
225.62	246.87	21.25	GRD	MG	Relatively fresh granodiorite, with patches of silicification and propylitic alteration. Cut by quartz-carbonate veinlets with narrow propylitic halos.							
						MD	GY	PA	SIL	2I		
						MD	GN		PRO	2I		
246.87	315.89	69.02	GRD	MG	Fresh, patchily silicified granodiorite.							
						MD	GY	PA	SIL	2I		
315.89	317.83	1.94	GRD	MG	Overlapping proximal phyllic and distal argillic halos on quartz-carbonate veins, with patchy propylitic and potassic overprints. Trace fine blebby pyrite in smoky quartz.							
						MD	PK	ZO	POT	1I		
						MD	GN	MO	PHC	2I		
						LT	GN	PA	PRO	3I	Py	0.1
						LT	WH		ARG	2I		
317.83	319.83	2.00	GRD	MG	Granodiorite with silicification and clay on some fractures.							
						MD	GY		SIL	2I		
									CLY	1I		
319.83	323.74	3.91	GRD	MG	Overlapping proximal phyllic and distal argillic halos on quartz-carbonate veins, with patchy propylitic and potassic overprints. Trace fine blebby pyrite in smoky quartz.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	PK	ZO	POT	1I		
						MD	GN	MO	PHC	2I		
						LT	GN	PA	PRO	3I	Py	0.1
						LT	WH		ARG	2I		
323.74	353.71	29.97	GRD	MG	Granodiorite with patches of silicification and propylitic alteration.							
						MD	GY	PA	SIL	2I		
						MD	GN		PRO	2I		
353.71	355.53	1.82	GRD	MG	Propylitic halo around a green gouge seam. Cut by a white quartz vein.							
						MD	GN		CLY	3I		
									PRO	3I		
355.53	358.07	2.54	GRD	MG	Granodiorite with patchy silicification and cut by thin quartz-carbonate veinlets with narrow propylitic halos.							
						MD	GY	PA	PRO	2I		
						MD	GN		SIL	2I		
358.07	358.75	0.68	GRD	MG	Overlapping phyllic, argillic, and propylitic halos on white-cream quartz-carbonate veining that partially brecciates phyllic granodiorite. There is a vein of smoky quartz hosting blebby pyrite and honey brown sphalerite, adjacent to the quartz feldspar porphyry dyke contact.							
						MD	GN		PRO	2I	Sp	0.1
						LT	GN	BX	PHC	3I	Py	0.5
									ARG	2I		
358.75	358.94	0.19	QFP	FG	Strongly hydrothermally altered light green quartz feldspar porphyry dyke, with sharp contacts and limited gouge. Cut by irregular carbonate veinlets.							
						LT	GN	PO	HYD	5I		
								RX				
358.94	359.28	0.34	GRD	MG	Phyllic and propylitic altered halo on the narrow quartz feldspar porphyry dyke and quartz-carbonate-pyrite veinlets.							
						MD	GN		PRO	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	GN		PHC	3I	Py	0.5
359.28	371.62	12.34	GRD	MG	Fresh granodiorite with patchy silicifcation and propylitic alteration.							
						MD	GY	PA	SIL	2I		
						MD	GN		PRO	2I		
371.62	375.26	3.64	GRD	MG	Phyllic-argillic halos around quartz-carbonate veins hosting pyrite. There is trace hematite staining on some argillic and propylitic alteration.							
						MD	GN	MO	ARG	3I		
						LT	GN	PA	PHC	3I	Py	0.5
								ZO	HEM	1I		
									PRO	1I		
375.26	376.47	1.21	GRD	MG	Granodiorite with patchy weak propylitic alteration.							
						MD	GY	PA	PRO	2I		
						MD	GN					
376.47	377.78	1.31	GRD	MG	Phyllic-argillic halos around quartz-carbonate veins hosting pyrite. There is weak potassic alteration on propylitic and argillic alteration.							
						MD	GN	PA	PHC	3I	Py	0.5
						LT	PK	ZO	POT	1I		
						LT	GN	MO	PRO	1I		
									ARG	3I		
377.78	378.86	1.08	GRD	MG	Granodiorite with patchy weak propylitic and silicification.							
						MD	GY	PA	PRO	2I		
						MD	GN		SIL	1I		
378.86	379.54	0.68	GRD	MG	Phyllic-argillic halos around quartz-carbonate veins hosting pyrite. There is trace hematite staining on some argillic and propylitic alteration.							
						MD	GN	PA	PHC	3I	Py	0.5
						LT	PK	ZO	POT	1I		
						LT	GN	MO	PRO	1I		
									ARG	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
379.54	384.32	4.78	GRD	MG	Granodiorite with patchy silicification and weak propylitic alteration.							
						MD	GY	PA	PRO	1I		
						MD	GN		SIL	1I		
384.32	402.16	17.84	GRD	MG	Bonus vein zone of many banded-crustiform quartz-carbonate veins. Alteration is dominated by proximal phyllic and distal argillic halos on veining, with patchy propylitic/potassic overprints. Veining tends to host blebby pyrite, often vuggy, and contains some tan ankerite. There is fine disseminated pyrite in the phyllic groundmass.							
						MD	GN	MO	ARG	3I		
						LT	WH	ZO	PRO	2I		
						LT	GN	PA	PHC	4I	Py	2
									SIL	1I		
402.16	419.88	17.72	GRD	MG	Alternating patches of argillic, propylitic, and potassic alteration cut by quartz-carbonate veining and few gouge seams. Lacks sulphides, but hematite is carried in some veinlets.							
						MD	GN	PA	PRO	3I	He	0.1
						MD	PK					
						LT	WH	MO	ARG	2I		
						LT	GN		POT	2I		
419.88	429.91	10.03	GRD	MG	Pervasive weak argillic, phyllic, and propylitic alteration with chloritic veinlets and banded quartz-carbonate veining. Veining contains pyrite and magnetite. Patchy weak silicification and clay on fractures.							
						LT	GN	PA	PHC	2I	Py	0.1
									PRO	2I	Mg	0.1
									ARG	2I		
									SIL	1I		
429.91	430.21	0.30	QFP	FG	Light tan-maroon hydrothermally altered quartz feldspar porphyry dyke.							
						LT	TN	PO	HYD	4I		
						LT	MR					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
430.21	431.98	1.77	GRD	MG	Argillic altered granodiorite with propylitic overprint.							
						MD	GN		ARG	2I		
						LT	GN		PRO	2I		
431.98	433.23	1.25	QFP	FG	Maroon-tan hydrothermally altered quartz feldspar porphyry dyke cut by low angle calcite veinlets.							
						MD	MR		HYD	4I		
						MD	TN		SIL	2I		
433.23	436.08	2.85	GRD	MG	Granodiorite cut by quartz-carbonate-pyrite veining with proximal phyllic and distal argillic halos and some potassic-propylitic overprint.							
						MD	GY	PA	PRO	2I	Py	0.1
						MD	GN	MO	PHC	2I		
						LT	GN	ZO	ARG	2I		
						LT	PK		SIL	2I		
									POT	2I		
436.08	436.50	0.42	GRD	MG	Gran owith trace propylitic and moderate silicification.							
						MD	GY		SIL	3I		
						MD	GN		PRO	1I		
436.50	438.93	2.43	GRD	MG	Granodiorite cut by quartz-carbonate-pyrite veining with proximal phyllic and distal argillic halos and some potassic-propylitic overprint.							
						MD	GN	MO	POT	2I		
						LT	PK	ZO	PHC	2I		
						LT	GN	PA	PRO	2I	Py	0.5
									ARG	3I		
438.93	439.98	1.05	GRD	MG	Silicified granodiorite.							
						MD	GY	RX	SIL	3I		
439.98	442.38	2.40	GRD	MG	Phyllic halos on smoky quartz-tan ankerite veining hosting pyrite and trace honey brown sphalerite. Propylitic and silicification overprint phyllic.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GN		SIL	2I	Sp	0.1
						LT	GN		PHC	3I	Py	0.5
									PRO	2I		
442.38	444.74	2.36	GRD	MG	Silicified granodiorite with calcite and clay on fractures.							
						MD	GY	RX	SIL	3I		
444.74	445.97	1.23	GRD	MG	Proximal phyllic and distal argillic halo on calcite veining. Weak potassic overprints argillic alteration.							
						MD	PK		ARG	2I		
						LT	GN	ZO	PHC	3I	Py	0.1
						LT	WH		POT	2I		
445.97	449.75	3.78	GRD	MG	Silicified granodiorite.							
						MD	GY	RX	SIL	3I		
449.75	452.22	2.47	GRD	MG	Moderately propylitic altered granodiorite with weak patchy potassic overprint.							
						MD	GY		PRO	3I		
						LT	PK		POT	1I		
452.22	454.45	2.23	GRD	MG	Silicified granodiorite.							
						MD	GY	RX	SIL	3I		
454.45	460.68	6.23	GRD	MG	Granodiorite cut by many quartz-carbonate-pyrite veins with overlapping moderate-strong phyllic halos. Stronger phyllic halos have disseminated pyrite throughout the groundmass. Some clay on fractures. Patches of more intense silicification leading to partially obliterated primary crystal textures. Patchy weak propylitic overprints.							
						MD	GN	RX	SIL	3I	Py	0.5
						LT	GN	PA	PHC	4I	Py	1
									PRO	2I		
									ARG	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
460.68	461.13	0.45	BXA	MG	BRX hanging wall vein with grey-black siliceous matrix and clasts of white quartz-carbonate veining. Sulphides occur in bands of blebs and include arsenopyrite, galena, honey brown sphalerite, pyrite, and fine chalcopyrite. Sphalerite and galena are netted by very fine white carbonate stringers.							
						MD	GN				Gn	1
						LT	WH	BN	CLY	2I	Cp	0.1
						DK	BK	BX	SIL	2I	Py	0.5
											As	5
											Sp	2
461.13	462.01	0.88	QFP	FG	Light grey-green hydrothermally altered quartz feldspar porphyry dyke.							
						LT	GY	PO	HYD	4I		
						LT	GN					
462.01	462.24	0.23	QFP	FG	Light grey-green hydrothermally altered quartz feldspar porphyry dyke. Cut by mineralized white quartz/gouge.							
						LT	GY	PO	HYD	4I	Py	0.5
						LT	GN		CLY	2I		
462.24	462.51	0.27	QFP	FG	Light grey-green hydrothermally altered quartz feldspar porphyry dyke.							
						LT	GN	PO	HYD	4I		
						LT	GY					
462.51	462.99	0.48	GRD	MG	Light green strongly phyllic granodiorite cut by gouge seams and the BRX footwall vein zone. BRX veining consists of white-grey quartz and black breccias. Veining hosts pyrite and fine honey brown sphalerite.							
						LT	GN	BX	PHC	4I	Py	3
						LT	GY		CLY	3I	Sp	0.1
						DK	BK					
462.99	483.28	20.29	GRD	MG	Silicified granodiorite cut by occasional quartz-pyrite veinlets with propylitic halos. Patchy argillic alteration tends to have more fracturing and clay on fractures.							
						MD	GY	PA	SIL	3I	Py	0.1
						MD	GN	MO	PRO	2I		
						LT	PK	FR	ARG	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	WH		POT	1I		
483.28	491.29	8.01	GRD	MG	Granodiorite cut by quartz-carbonate-pyrite veins with proximal phyllic and distal argillic halos. Some potassic/propylitic overprint argillic halos. There are intermediate patches of silicified granodiorite.							
						MD	GN	MO	PRO	2I		
						MD	GY		SIL	2I		
						LT	WH	ZO	ARG	3I	Sp	0.1
						LT	GN	PA	PHC	2I	Py	0.1
						LT	PK		POT	2I		
491.29	492.96	1.67	GRD	MG	Silicified granodiorite cut by thin carbonate stringers with narrow propylitic halos.							
						MD	GY		SIL	3I		
						MD	GN		PRO	1I		
492.96	494.06	1.10	GRD	MG	Proximal phyllic and distal argillic halo on quartz-carbonate veining, with potassic/propylitic overprint.							
						MD	GN					
						LT	WH	ZO				
						LT	GN	MO				
						LT	PK					
494.06	500.32	6.26	GRD	MG	Silicified granodiorite with patches of propylitic and potassic.							
						MD	GY	PA	SIL	2I		
						MD	GN		POT	1I		
						LT	GN		PRO	2I		
500.32	501.73	1.41	GRD	MG	Proximal phyllic and distal argillic halo around a pair of irregularly banded white-cream quartz-carbonate-tan ankerite veins. These veins host blebby pyrite and honey brown sphalerite.							
								ZO	PHC	2I	Py	0.5
									PRO	2I	Sp	0.1
									ARG	2I		
									SIL	1I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
501.73	514.20	12.47	GRD	MG	Granodiorite cut by quartz-carbonate-pyrite veins with proximal phyllic and distal argillic halos. Some potassic/propylitic overprint argillic halos. There are intermediate patches of silicified granodiorite.							
						MD	GN	MO	PRO	2I		
						MD	GY		SIL	2I		
						LT	WH	ZO	ARG	3I		
						LT	GN	PA	PHC	2I	Py	0.1
						LT	PK		POT	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
6.67	20.27	13.60	GRD	MG	Intensely oxidized and weathered granodiorite, with an orange interval of possible mineralization. Very few fragments of rock, most recovery is crumbled to clay and soil.							
						DK	BN					
						MD	BN	FR	OXI	5I		
						MD	OR	RB	LIM	3I		
						LT	BN	PB				
20.27	114.64	94.37	GRD	MG	Granodiorite with little alteration. Oxide staining and fracturing is strongest above 35.77m, with significant crumbling.							
						MD	BN	RB				
						MD	GY	FR	OXI	2I		
114.64	125.56	10.92	GRD	MG	Wide proximal phyllic and distal argillic halos on mineralized quartz-carbonate veining. Cut by occasional gouge seams. Patchy propylitic, potassic, and silicification.							
						MD	GN	ZO	PRO	2I		
						LT	PK		POT	1I		
						LT	WH		ARG	3I		
						MD	GY					
						LT	GN	PA	PHC	3I	Py	0.5
125.56	180.72	55.16	GRD	MG	Fresher granodiorite with silicification and crosscutting aplite dykelets.							
						MD	GY	RX	SIL	2I		
								PA				
180.72	187.15	6.43	GRD	MG	Pervasively phyllic and argillic altered granodiorite, with blebby pyrite throughout the groundmass. Silicification masks primary textures. Cut by few gouge seams.							
						MD	GN	RX	PHC	4I	Py	1
									SIL	3I		
									CLY	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
187.15	212.94	25.79	GRD	MG	Interval dominated by weakly silicified granodiorite, but cut by proximal phyllic and distal argillic halos around varying veins. Clay and calcite are common on fractures.							
						LT	WH		ARG	2I		
						MD	GY	PA	PHC	2I		
						LT	PK		POT	1I		
						LT	GN		SIL	2I		
						MD	GN	ZO	PRO	2I		
212.94	216.89	3.95	GRD	MG	Phyllic, propylitic, and silicified granodiorite cut by gouge seams and quartz-carbonate-pyrite veins. There are patches of weak potassic alteration.							
						LT	PK		ARG	2I		
									PRO	2I		
						MD	GN		SIL	2I	Py	0.1
						LT	GN	PA	PHC	3I	He	0.1
216.89	217.78	0.89	GRD	MG	Silicified granodiorite.							
						MD	GY		SIL	2I		
217.78	219.71	1.93	GRD	MG	Intensely silicified propylitic granodiorite, cut by a wide aplite dyke.							
						LT	OL	RX	SIL	5I		
						LT	PK					
219.71	223.15	3.44	GRD	MG	Weak pervasive argillic altered granodiorite, with overprinting moderate silicification and weak propylitic alteration.							
						LT	GN	PA	PRO	3I		
									PHC	2I		
									ARG	3I		
						MD	GN	RX	SIL	3I		
223.15	358.75	135.60	GRD	MG	Relatively fresh granodiorite, with patches of silicification and propylitic alteration. Cut by quartz-carbonate veinlets with narrow propylitic halos.							
								PA	SIL	2I		
									PRO	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
358.75	358.94	0.19	QFP	FG	Strongly hydrothermally altered light green quartz feldspar porphyry dyke, with sharp contacts and limited gouge. Cut by irregular carbonate veinlets.							
						LT	GN	PO	HYD	5I		
								RX				
358.94	359.28	0.34	GRD	MG	Phyllic and propylitic altered halo on the narrow quartz feldspar porphyry dyke and quartz-carbonate-pyrite veinlets.							
						LT	GN		PHC	3I	Py	0.5
						MD	GN		PRO	2I		
359.28	371.62	12.34	GRD	MG	Fresh granodiorite with patchy silicifcation and propylitic alteration.							
						MD	GN		PRO	2I		
						MD	GY	PA	SIL	2I		
371.62	384.32	12.70	GRD	MG	Patches of phyllic, argillc, and propylitic alteration around banded-crustiform quartz-carbonate-pyrite veining. There are sections of silicified granodiorite between the halos. Patchy propylitic alteration also has trace hematite.							
						LT	GN	ZO	PRO	2I		
						MD	GN	MO	ARG	2I		
						MD	GY	PA	PHC	3I	Py	0.5
384.32	402.16	17.84	GRD	MG	Bonus vein zone of many banded-crustiform quartz-carbonate veins. Alteration is dominated by proximal phyllic and distal argillic halos on veining, with patchy propylitic/potassic overprints. Veining tends to host blebby pyrite, often vuggy, and contains some tan ankerite. There is fine disseminated pyrite in the phyllic groundmass.							
						LT	WH	ZO	PRO	2I		
						MD	GN	MO	ARG	3I		
									SIL	1I		
						LT	GN	PA	PHC	4I	Py	2
402.16	419.88	17.72	GRD	MG	Alternating patches of argillic, propylitic, and potassic alteration cut by quartz-carbonate veining and few gouge seams. Lacks sulphides, but hematite is carried in some veinlets.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	PK					
						LT	WH	MO	ARG	2I		
						MD	GN	PA	PRO	3I	He	0.1
						LT	GN		POT	2I		
419.88	429.91	10.03	GRD	MG	Pervasive weak argillic, phyllic, and propylitic alteration with chloritic veinlets and banded quartz-carbonate veining. Veining contains pyrite and magnetite. Patchy weak silicification and clay on fractures.							
						LT	GN	PA	PHC	2I	Py	0.1
									SIL	1I		
									PRO	2I	Mg	0.1
									ARG	2I		
429.91	430.21	0.30	QFP	FG	Light tan-maroon hydrothermally altered quartz feldspar porphyry dyke.							
						LT	TN	PO	HYD	4I		
						LT	MR					
430.21	431.98	1.77	GRD	MG	Argillic altered granodiorite with propylitic overprint.							
						LT	GN		PRO	2I		
						MD	GN		ARG	2I		
431.98	433.23	1.25	QFP	FG	Maroon-tan hydrothermally altered quartz feldspar porphyry dyke cut by low angle calcite veinlets.							
						MD	TN		SIL	2I		
						MD	MR		HYD	4I		
433.23	454.45	21.22	GRD	MG	Granodiorite cut by quartz-carbonate-pyrite veining with proximal phyllic and distal argillic halos and some potassic-propylitic overprint.							
									POT	2I		
						MD	GY	PA	PRO	2I	Py	0.1
						MD	GN	MO	PHC	2I		
						LT	GN	ZO	ARG	2I		
						LT	PK		SIL	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
454.45	460.68	6.23	GRD	MG	Granodiorite cut by many quartz-carbonate-pyrite veins with overlapping moderate-strong phyllic halos. Stronger phyllic halos have disseminated pyrite throughout the groundmass. Some clay on fractures. Patches of more intense silicification leading to partially obliterated primary crystal textures. Patchy weak propylitic overprints.							
						MD	GN	RX	SIL	3I	Py	0.5
									PRO	2I		
									ARG	2I		
						LT	GN	PA	PHC	4I	Py	1
460.68	461.13	0.45	BXA	MG	BRX hanging wall vein with grey-black siliceous matrix and clasts of white quartz-carbonate veining. Sulphides occur in bands of blebs and include arsenopyrite, galena, honey brown sphalerite, pyrite, and fine chalcopyrite. Sphalerite and galena are netted by very fine white carbonate stringers.							
											As	5
						LT	WH	BN	CLY	2I	Cp	0.1
						MD	GN				Gn	1
											Sp	2
						DK	BK	BX	SIL	2I	Py	0.5
461.13	462.51	1.38	QFP	FG	Light grey-green hydrothermally altered quartz feldspar porphyry dyke. Cut by mineralized white quartz/gouge around 462m.							
						LT	GN					
						LT	GY	PO	HYD	4I	Py	0.1
462.51	462.99	0.48	GRD	MG	Light green strongly phyllic granodiorite cut by gouge seams and the BRX footwall vein zone. BRX veining consists of white-grey quartz and black breccias. Veining hosts pyrite and fine honey brown sphalerite.							
						DK	BK					
						LT	GN	BX	PHC	4I	Py	3
						LT	GY		CLY	3I	Sp	0.1
462.99	483.28	20.29	GRD	MG	Silicified granodiorite cut by occasional quartz-pyrite veinlets with propylitic halos. Patchy argillic alteration tends to have more fracturing and clay on fractures.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	WH		POT	1I		
						LT	PK	FR	ARG	2I		
						MD	GY	PA	SIL	3I	Py	0.1
						MD	GN	MO	PRO	2I		
483.28	514.20	30.92	GRD	MG	Granodiorite cut by quartz-carbonate-pyrite veins with proximal phyllic and distal argillic halos. Some potassic/propylitic overprint argillic halos. There are intermediate patches of silicified granodiorite.							
						MD	GY		SIL	2I		
						LT	GN	PA	PHC	2I	Py	0.1
						LT	WH	ZO	ARG	3I	Sp	0.1
						MD	GN	MO	PRO	2I		
						LT	PK		POT	2I		

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
0.00	6.67	6.67	0	0	0.00	0	--	--	--	Casing, no recovery.
6.67	8.23	1.56	1.29	83	0.00	0	--	1H	4W	
8.23	11.28	3.05	1.24	41	0.00	0	--	1H	4W	
11.28	14.33	3.05	1.91	63	0.00	0	--	1H	4W	
14.33	17.37	3.04	1.61	53	0.00	0	--	1H	4W	
17.37	20.42	3.05	1.8	59	0.48	16	--	1H	4W	
20.42	23.47	3.05	2.31	76	0.58	19	--	3H	3W	
23.47	26.52	3.05	2.23	73	0.87	29	--	3H	3W	
26.52	29.57	3.05	1.95	64	0.15	5	--	3H	3W	
29.57	32.61	3.04	2.01	66	0.69	23	--	4H	2W	
32.61	35.66	3.05	1.94	64	0.32	10	--	3H	3W	
35.66	38.71	3.05	2.57	84	1.22	40	--	4H	2W	
38.71	41.76	3.05	2.41	79	1.01	33	--	4H	2W	
41.76	44.81	3.05	2.61	86	2.13	70	--	4H	2W	
44.81	47.85	3.04	2.8	92	1.96	64	--	4H	5W	
47.85	50.90	3.05	3.03	99	2.68	88	--	4H	2W	
50.90	53.95	3.05	2.8	92	2.63	86	--	4H	2W	
53.95	57.00	3.05	2.81	92	2.35	77	--	4H	2W	
57.00	60.05	3.05	2.96	97	2.48	81	--	4H	1W	
60.05	63.09	3.04	3.03	100	2.99	98	--	4H	1W	
63.09	66.14	3.05	3.04	100	2.69	88	--	4H	1W	
66.14	69.19	3.05	3.05	100	2.77	91	--	4H	1W	
69.19	72.24	3.05	2.81	92	2.05	67	--	4H	1W	
72.24	75.29	3.05	2.97	97	2.16	71	--	3H	1W	
75.29	78.33	3.04	2.93	96	2.32	76	--	4H	1W	
78.33	81.38	3.05	3.04	100	2.51	82	--	4H	1W	
81.38	84.43	3.05	2.87	94	2.52	83	--	4H	1W	
84.43	87.48	3.05	3.05	100	2.50	82	--	4H	1W	
87.48	90.53	3.05	2.87	94	2.35	77	--	4H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
90.53	93.57	3.04	2.96	97	2.63	87	--	4H	1W	
93.57	96.62	3.05	3.05	100	2.85	93	--	4H	1W	
96.62	99.67	3.05	3.05	100	3.00	98	--	4H	1W	
99.67	102.72	3.05	3.05	100	3.03	99	--	5H	1W	
102.72	105.77	3.05	3.05	100	2.26	74	--	4H	1W	
105.77	108.81	3.04	3.04	100	2.02	66	--	4H	1W	
108.81	111.86	3.05	3.05	100	2.10	69	--	4H	1W	
111.86	114.91	3.05	3	98	2.66	87	--	4H	1W	
114.91	117.96	3.05	3.05	100	1.50	49	--	4H	1W	
117.96	121.00	3.04	3.04	100	1.26	41	--	4H	1W	
121.00	124.05	3.05	3.05	100	1.40	46	--	3H	1W	
124.05	127.10	3.05	3.05	100	2.45	80	--	4H	1W	
127.10	130.15	3.05	3.05	100	2.65	87	--	5H	1W	
130.15	133.20	3.05	3.04	100	2.61	86	--	4H	1W	
133.20	136.25	3.05	3.05	100	2.57	84	--	5H	1W	
136.25	139.29	3.04	2.94	97	2.09	69	--	5H	1W	
139.29	142.34	3.05	3.05	100	2.88	94	--	4H	1W	
142.34	145.39	3.05	2.75	90	1.90	62	--	4H	1W	
145.39	148.44	3.05	2.94	96	1.60	52	--	4H	1W	
148.44	151.49	3.05	2.96	97	1.81	59	--	4H	1W	
151.49	154.53	3.04	2.73	90	1.02	34	--	4H	1W	
154.53	157.58	3.05	3.05	100	2.19	72	--	4H	1W	
157.58	160.63	3.05	3.02	99	2.16	71	--	4H	1W	
160.63	163.68	3.05	3.05	100	2.08	68	--	5H	1W	
163.68	166.73	3.05	3.05	100	1.76	58	--	4H	1W	
166.73	169.77	3.04	3.04	100	2.20	72	--	5H	1W	
169.77	172.82	3.05	3.05	100	2.69	88	--	5H	1W	
172.82	175.87	3.05	3.04	100	1.88	62	--	5H	1W	
175.87	178.92	3.05	3.05	100	2.72	89	--	5H	1W	
178.92	181.97	3.05	3.05	100	2.34	77	--	4H	1W	
181.97	185.01	3.04	3.04	100	2.17	71	--	4H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
185.01	188.06	3.05	3.04	100	2.70	89	--	4H	1W	
188.06	191.11	3.05	3.04	100	1.93	63	--	4H	1W	
191.11	194.16	3.05	3.05	100	2.03	67	--	4H	1W	
194.16	197.21	3.05	2.99	98	2.44	80	--	4H	1W	
197.21	200.25	3.04	3	99	2.50	82	--	4H	1W	
200.25	203.30	3.05	3.01	99	2.94	96	--	4H	1W	
203.30	206.35	3.05	3.05	100	1.55	51	--	4H	1W	
206.35	209.40	3.05	3.05	100	1.82	60	--	4H	1W	
209.40	212.45	3.05	3.05	100	1.15	38	--	4H	1W	
212.45	215.49	3.04	3	99	2.45	81	--	3H	1W	
215.49	218.54	3.05	2.7	89	1.94	64	--	4H	1W	
218.54	221.59	3.05	3.05	100	1.64	54	--	4H	1W	
221.59	224.64	3.05	3.05	100	2.62	86	--	4H	1W	
224.64	227.69	3.05	3.05	100	1.49	49	--	4H	1W	
227.69	230.73	3.04	3.04	100	1.24	41	--	4H	1W	
230.73	233.78	3.05	3.05	100	1.88	62	--	4H	1W	
233.78	236.83	3.05	3.05	100	1.74	57	--	4H	1W	
236.83	239.88	3.05	3.05	100	1.20	39	--	4H	1W	
239.88	242.93	3.05	3.04	100	2.31	76	--	4H	1W	
242.93	245.97	3.04	3.03	100	2.38	78	--	4H	1W	
245.97	249.02	3.05	3.05	100	3.05	100	--	4H	1W	
249.02	252.07	3.05	3.03	99	2.83	93	--	4H	1W	
252.07	255.12	3.05	3.04	100	3.04	100	--	4H	1W	
255.12	258.17	3.05	3	98	2.31	76	--	4H	1W	
258.17	261.21	3.04	3.04	100	2.61	86	--	4H	1W	
261.21	264.26	3.05	3.04	100	2.58	85	--	4H	1W	
264.26	267.31	3.05	3.03	99	2.91	95	--	4H	1W	
267.31	270.36	3.05	3.02	99	3.00	98	--	4H	1W	
270.36	273.41	3.05	3	98	2.79	91	--	4H	1W	
273.41	276.45	3.04	3.04	100	2.49	82	--	4H	1W	
276.45	279.50	3.05	3.05	100	2.76	90	--	4H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
279.50	282.55	3.05	2.99	98	1.93	63	--	4H	1W	
282.55	285.60	3.05	2.96	97	2.34	77	--	4H	1W	
285.60	288.65	3.05	3.02	99	2.16	71	--	4H	1W	
288.65	291.69	3.04	2.95	97	2.11	69	--	4H	1W	
291.69	294.74	3.05	3.05	100	2.70	89	--	4H	1W	
294.74	297.79	3.05	3.03	99	2.80	92	--	4H	1W	
297.79	300.84	3.05	3.05	100	1.60	52	--	4H	1W	
300.84	303.89	3.05	2.99	98	2.89	95	--	4H	1W	
303.89	306.93	3.04	3.01	99	2.84	93	--	4H	1W	
306.93	309.98	3.05	3.02	99	2.21	72	--	4H	1W	
309.98	313.03	3.05	3.01	99	1.48	49	--	4H	1W	
313.03	316.08	3.05	2.9	95	2.07	68	--	4H	1W	
316.08	319.13	3.05	2.91	95	1.77	58	--	3H	1W	
319.13	322.17	3.04	2.79	92	1.27	42	--	3H	1W	
322.17	325.22	3.05	2.85	93	1.66	54	--	3H	1W	
325.22	328.27	3.05	3.03	99	2.35	77	--	3H	1W	
328.27	331.32	3.05	3.04	100	2.63	86	--	4H	1W	
331.32	334.37	3.05	3.05	100	2.40	79	--	4H	1W	
334.37	337.41	3.04	3.01	99	1.98	65	--	4H	1W	
337.41	340.46	3.05	3.03	99	2.07	68	--	4H	1W	
340.46	343.51	3.05	2.99	98	2.13	70	--	4H	1W	
343.51	346.56	3.05	3.04	100	2.46	81	--	4H	1W	
346.56	349.61	3.05	3.01	99	1.73	57	--	4H	1W	
349.61	352.65	3.04	3.04	100	2.24	74	--	4H	1W	
352.65	355.70	3.05	2.87	94	2.30	75	--	4H	1W	
355.70	358.75	3.05	3.03	99	2.80	92	--	4H	1W	
358.75	361.80	3.05	3.05	100	2.86	94	--	4H	1W	
361.80	364.85	3.05	3.05	100	2.35	77	--	5H	1W	
364.85	367.89	3.04	3.04	100	2.22	73	--	4H	1W	
367.89	370.94	3.05	3.05	100	2.79	91	--	4H	1W	
370.94	373.99	3.05	3.05	100	2.69	88	--	3H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
373.99	377.04	3.05	3.05	100	2.14	70	--	3H	1W	
377.04	380.09	3.05	3.05	100	2.46	81	--	3H	1W	
380.09	383.13	3.04	3	99	1.94	64	--	4H	1W	
383.13	386.18	3.05	3.05	100	2.14	70	--	3H	1W	
386.18	389.23	3.05	3	98	2.38	78	--	3H	1W	
389.23	392.28	3.05	3.03	99	2.12	70	--	3H	1W	
392.28	395.33	3.05	3.05	100	2.28	75	--	3H	1W	
395.33	398.37	3.04	3.04	100	2.95	97	--	3H	1W	
398.37	401.42	3.05	3.02	99	2.60	85	--	4H	1W	
401.42	404.47	3.05	3.05	100	2.96	97	--	3H	1W	
404.47	407.52	3.05	3.05	100	2.82	92	--	3H	1W	
407.52	410.57	3.05	3.03	99	2.62	86	--	3H	1W	
410.57	413.61	3.04	3.04	100	2.45	81	--	3H	1W	
413.61	416.66	3.05	3.05	100	1.75	57	--	3H	1W	
416.66	419.71	3.05	3.05	100	1.69	55	--	4H	1W	
419.71	422.76	3.05	3.05	100	1.31	43	--	4H	1W	
422.76	425.81	3.05	2.98	98	1.76	58	--	4H	1W	
425.81	428.85	3.04	3	99	1.12	37	--	4H	1W	
428.85	431.90	3.05	3.05	100	2.27	74	--	4H	1W	
431.90	434.95	3.05	2.97	97	2.00	66	--	4H	1W	
434.95	438.00	3.05	3.05	100	2.85	93	--	4H	1W	
438.00	441.05	3.05	2.98	98	2.63	86	--	4H	1W	
441.05	444.09	3.04	2.96	97	2.38	78	--	4H	1W	
444.09	447.14	3.05	3.03	99	1.61	53	--	4H	1W	
447.14	450.19	3.05	3.05	100	2.67	88	--	4H	1W	
450.19	453.24	3.05	3.04	100	1.74	57	--	4H	1W	
453.24	456.29	3.05	3.05	100	2.52	83	--	4H	1W	
456.29	459.33	3.04	3.02	99	1.52	50	--	4H	1W	
459.33	462.38	3.05	3.05	100	1.64	54	--	3H	1W	
462.38	465.43	3.05	3.02	99	1.15	38	--	4H	1W	
465.43	468.48	3.05	3.05	100	2.49	82	--	5H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
468.48	471.53	3.05	3.04	100	2.79	91	--	5H	1W	
471.53	474.57	3.04	3.04	100	2.56	84	--	5H	1W	
474.57	477.62	3.05	3.05	100	0.83	27	--	4H	1W	
477.62	480.67	3.05	3.01	99	1.15	38	--	4H	1W	
480.67	483.72	3.05	3.04	100	2.25	74	--	5H	1W	
483.72	486.77	3.05	3.05	100	1.60	52	--	2H	1W	
486.77	489.81	3.04	3.04	100	2.65	87	--	5H	1W	
489.81	492.86	3.05	3.05	100	2.98	98	--	5H	1W	
492.86	495.91	3.05	3.05	100	2.87	94	--	5H	1W	
495.91	498.96	3.05	3.05	100	2.70	89	--	5H	1W	
498.96	502.01	3.05	3.05	100	2.52	83	--	4H	1W	
502.01	505.05	3.04	2.97	98	2.34	77	--	4H	1W	
505.05	508.10	3.05	3.05	100	2.90	95	--	5H	1W	
508.10	511.15	3.05	3.05	100	3.05	100	--	5H	1W	
511.15	514.20	3.05	3.05	100	2.51	82	--	5H	1W	

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
0.00	0.00	0.00	-QC-	0.00	0	K289794	☐	15-119			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K289857	☐	15-122		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K289853	☐	15-122			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K289845	☐	15-122			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K289836	☐	15-122		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K289818	☐	15-119		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K289723	☐	15-113			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K289797	☐	15-119		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K289781	☐	15-117		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K289777	☐	15-117			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K289766	☐	15-117			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K289762	☐	15-117		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K289744	☐	15-113		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K289733	☐	15-113		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K289731	☐	15-113			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K289813	☐	15-119			☑	☐	☐
11.50	12.66	1.16	GRD	1.03	89	K289720	☐	15-113			☐	☐	☐
55.15	56.15	1.00	GRD	0.95	95	K289721	☐	15-113			☐	☐	☐
56.15	56.56	0.41	GRD	0.29	71	K289722	☐	15-113			☐	☐	☐
56.56	57.42	0.86	GRD	0.78	91	K289724	☐	15-113			☐	☐	☐
57.42	58.23	0.81	GRD	0.81	100	K289725	☐	15-113			☐	☐	☐
73.75	75.07	1.32	GRD	1.32	100	K289726	☐	15-113			☐	☐	☐
75.07	76.27	1.20	GRD	1.18	98	K289727	☐	15-113			☐	☐	☐
75.07	76.27	1.20	GRD	1.18	98	K289728	☐	15-113			☐	☑	☐
114.66	116.11	1.45	GRD	1.45	100	K289729	☐	15-113			☐	☐	☐
116.11	117.15	1.04	GRD	1.01	97	K289730	☐	15-113			☐	☐	☐
117.15	119.73	2.58	GRD	2.29	89	K289732	☐	15-113			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
119.73	120.50	0.77	GRD	0.71	92	K289734	☐	15-113			☐	☐	☐
120.50	121.00	0.50	GRD	0.50	100	K289735	☐	15-113			☐	☐	☐
121.00	122.02	1.02	GRD	0.90	88	K289736	☐	15-113			☐	☐	☐
122.02	123.60	1.58	GRD	1.37	87	K289737	☐	15-113			☐	☐	☐
123.60	124.50	0.90	GRD	0.90	100	K289738	☐	15-113			☐	☐	☐
124.50	125.56	1.06	GRD	0.96	91	K289739	☐	15-113			☐	☐	☐
125.56	126.54	0.98	GRD, GRD	0.98	100	K289740	☐	15-113			☐	☐	☐
154.56	155.99	1.43	GRD	1.40	98	K289741	☐	15-113			☐	☐	☐
155.99	156.29	0.30	GRD	0.30	100	K289742	☐	15-113			☐	☐	☐
156.29	157.06	0.77	GRD	0.77	100	K289743	☐	15-113			☐	☐	☐
178.92	180.72	1.80	GRD	1.76	98	K289745	☐	15-113			☐	☐	☐
180.72	182.29	1.57	GRD, GRD	1.57	100	K289746	☐	15-113			☐	☐	☐
182.29	184.57	2.28	GRD	2.25	99	K289747	☐	15-113			☐	☐	☐
182.29	184.57	2.28	GRD	2.25	99	K289748	☐	15-113			☐	☐	☑
184.57	186.51	1.94	GRD	1.91	98	K289749	☐	15-113			☐	☐	☐
195.57	196.71	1.14	GRD	1.03	90	K289750	☐	15-113			☐	☐	☐
196.71	197.21	0.50	GRD	0.47	94	K289751	☐	15-113			☐	☐	☐
197.21	199.02	1.81	GRD	1.79	99	K289752	☐	15-113			☐	☐	☐
212.45	212.94	0.49	GRD	0.49	100	K289753	☐	15-113			☐	☐	☐
212.94	214.51	1.57	GRD, GRD	1.57	100	K289754	☐	15-113			☐	☐	☐
214.51	215.30	0.79	GRD	0.56	71	K289755	☐	15-117			☐	☐	☐
215.30	216.72	1.42	GRD	0.92	65	K289756	☐	15-117			☐	☐	☐
216.72	218.20	1.48	GRD	1.41	95	K289757	☐	15-117			☐	☐	☐
218.20	219.71	1.51	GRD	1.34	89	K289758	☐	15-117			☐	☐	☐
218.20	219.71	1.51	GRD	1.34	89	K289759	☐	15-117			☐	☐	☑
219.71	220.83	1.12	GRD, GRD	1.12	100	K289760	☐	15-117			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
220.83	222.05	1.22	GRD	1.22	100	K289761	☐	15-117			☐	☐	☐
222.05	223.68	1.63	GRD	1.63	100	K289763	☐	15-117			☐	☐	☐
314.95	316.08	1.13	GRD	1.13	100	K289764	☐	15-117			☐	☐	☐
316.08	316.67	0.59	GRD	0.59	100	K289765	☐	15-117			☐	☐	☐
316.67	317.83	1.16	GRD	1.06	91	K289767	☐	15-117			☐	☐	☐
317.83	319.83	2.00	GRD	1.93	97	K289768	☐	15-117			☐	☐	☐
319.83	321.15	1.32	GRD	1.12	85	K289769	☐	15-117			☐	☐	☐
321.15	322.17	1.02	GRD	0.99	97	K289770	☐	15-117			☐	☐	☐
353.71	354.53	0.82	GRD	0.64	78	K289771	☐	15-117			☐	☐	☐
354.53	355.70	1.17	GRD	1.17	100	K289772	☐	15-117			☐	☐	☐
354.53	355.70	1.17	GRD	1.17	100	K289773	☐	15-117			☐	☑	☐
355.70	357.87	2.17	GRD	2.11	97	K289774	☐	15-117			☐	☐	☐
357.87	358.39	0.52	GRD	0.52	100	K289775	☐	15-117			☐	☐	☐
358.39	358.75	0.36	GRD	0.36	100	K289776	☐	15-117			☐	☐	☐
358.75	359.04	0.29	GRD, QFP	0.27	93	K289778	☐	15-117			☐	☐	☐
359.04	359.34	0.30	GRD	0.29	97	K289779	☐	15-117			☐	☐	☐
359.34	359.93	0.59	GRD	0.59	100	K289780	☐	15-117			☐	☐	☐
370.94	371.84	0.90	GRD	0.90	100	K289782	☐	15-117			☐	☐	☐
371.84	372.56	0.72	GRD	0.71	99	K289783	☐	15-117			☐	☐	☐
372.56	373.99	1.43	GRD	1.43	100	K289784	☐	15-117			☐	☐	☐
373.99	375.21	1.22	GRD	1.22	100	K289785	☐	15-117			☐	☐	☐
375.21	377.04	1.83	GRD	1.83	100	K289786	☐	15-117			☐	☐	☐
377.04	377.78	0.74	GRD	0.74	100	K289787	☐	15-117			☐	☐	☐
377.78	379.11	1.33	GRD	1.26	95	K289788	☐	15-117			☐	☐	☐
379.11	379.39	0.28	GRD	0.26	93	K289789	☐	15-117			☐	☐	☐
379.39	381.32	1.93	GRD	1.93	100	K289790	☐	15-117			☐	☐	☐
381.32	384.32	3.00	GRD	2.89	96	K289791	☐	15-119			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
384.32	385.32	1.00	GRD, GRD	1.00	100	K289792	☐	15-119			☐	☐	☐
385.32	385.70	0.38	GRD	0.34	89	K289793	☐	15-119			☐	☐	☐
385.70	387.15	1.45	GRD	1.45	100	K289795	☐	15-119			☐	☐	☐
387.15	388.85	1.70	GRD	1.60	94	K289796	☐	15-119			☐	☐	☐
388.85	390.34	1.49	GRD	1.49	100	K289798	☐	15-119			☐	☐	☐
390.34	390.75	0.41	GRD	0.41	100	K289799	☐	15-119			☐	☐	☐
390.75	392.52	1.77	GRD	1.60	90	K289800	☐	15-119			☐	☐	☐
392.52	392.97	0.45	GRD	0.44	98	K289801	☐	15-119			☐	☐	☐
392.97	395.04	2.07	GRD	2.07	100	K289802	☐	15-119			☐	☐	☐
392.97	395.04	2.07	GRD	2.07	100	K289803	☐	15-119			☐	☐	☑
395.04	395.57	0.53	GRD	0.52	98	K289804	☐	15-119			☐	☐	☐
395.57	396.00	0.43	GRD	0.43	100	K289805	☐	15-119			☐	☐	☐
396.00	396.42	0.42	GRD	0.42	100	K289806	☐	15-119			☐	☐	☐
396.42	396.79	0.37	GRD	0.37	100	K289807	☐	15-119			☐	☐	☐
396.79	397.48	0.69	GRD	0.68	99	K289808	☐	15-119			☐	☐	☐
396.79	397.48	0.69	GRD	0.68	99	K289809	☐	15-119			☐	☑	☐
397.48	397.96	0.48	GRD	0.42	88	K289810	☐	15-119			☐	☐	☐
397.96	398.57	0.61	GRD	0.60	98	K289811	☐	15-119			☐	☐	☐
398.57	398.89	0.32	GRD	0.32	100	K289812	☐	15-119			☐	☐	☐
398.89	399.62	0.73	GRD	0.73	100	K289814	☐	15-119			☐	☐	☐
399.62	400.85	1.23	GRD	1.15	93	K289815	☐	15-119			☐	☐	☐
400.85	401.66	0.81	GRD	0.81	100	K289816	☐	15-119			☐	☐	☐
401.66	401.97	0.31	GRD	0.31	100	K289817	☐	15-119			☐	☐	☐
401.97	404.79	2.82	GRD	2.82	100	K289819	☐	15-119			☐	☐	☐
404.79	405.33	0.54	GRD	0.54	100	K289820	☐	15-119			☐	☐	☐
405.33	407.52	2.19	GRD	2.19	100	K289821	☐	15-119			☐	☐	☐
419.88	422.76	2.88	GRD, GRD	2.80	97	K289822	☐	15-119			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
422.76	425.09	2.33	GRD	2.10	90	K289823	☐	15-119			☐	☐	☐
425.09	425.58	0.49	GRD	0.49	100	K289824	☐	15-119			☐	☐	☐
425.58	426.95	1.37	GRD	1.36	99	K289825	☐	15-119			☐	☐	☐
426.95	429.91	2.96	GRD	2.83	96	K289826	☐	15-119			☐	☐	☐
429.91	431.98	2.07	GRD, QFP	1.06	51	K289827	☐	15-122			☐	☐	☐
431.98	433.23	1.25	GRD, QFP	1.24	99	K289828	☐	15-122			☐	☐	☐
433.23	434.74	1.51	QFP, GRD	1.41	93	K289829	☐	15-122			☐	☐	☐
434.74	436.98	2.24	GRD	2.24	100	K289830	☐	15-122			☐	☐	☐
436.98	437.93	0.95	GRD	0.94	99	K289831	☐	15-122			☐	☐	☐
436.98	437.93	0.95	GRD	0.94	99	K289832	☐	15-122			☐	☑	☐
437.93	440.88	2.95	GRD	2.89	98	K289833	☐	15-122			☐	☐	☐
440.88	442.27	1.39	GRD	1.38	99	K289834	☐	15-122			☐	☐	☐
442.27	444.74	2.47	GRD	2.36	96	K289835	☐	15-122		KL-STD4	☐	☐	☐
444.74	447.14	2.40	GRD	2.35	98	K289837	☐	15-122			☐	☐	☐
447.14	449.75	2.61	GRD	2.51	96	K289838	☐	15-122			☐	☐	☐
447.14	449.75	2.61	GRD	2.51	96	K289839	☐	15-122			☐	☐	☑
449.75	452.22	2.47	GRD	2.37	96	K289840	☐	15-122			☐	☐	☐
452.22	454.45	2.23	GRD	2.23	100	K289841	☐	15-122			☐	☐	☐
454.45	455.97	1.52	GRD, GRD	1.52	100	K289842	☐	15-122			☐	☐	☐
455.97	457.27	1.30	GRD	1.27	98	K289843	☐	15-122			☐	☐	☐
457.27	459.65	2.38	GRD	2.26	95	K289844	☐	15-122			☐	☐	☐
459.65	460.68	1.03	GRD	1.03	100	K289846	☐	15-122			☐	☐	☐
460.68	461.13	0.45	GRD, BXA	0.42	93	R499449	☐	15-130	HG		☐	☐	☐
461.13	461.95	0.82	BXA, QFP	0.75	91	K289847	☐	15-122			☐	☐	☐
461.95	462.25	0.30	QFP	0.30	100	K289848	☐	15-122			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
462.25	462.55	0.30	QFP	0.29	97	K289849	☐	15-122			☐	☐	☐
462.55	462.99	0.44	GRD	0.42	95	R499450	☐	15-130	HG		☐	☐	☐
462.99	463.56	0.57	GRD, GRD	0.53	93	K289850	☐	15-122			☐	☐	☐
500.21	500.93	0.72	GRD	0.71	99	K289851	☐	15-122			☐	☐	☐
500.93	501.39	0.46	GRD	0.46	100	K289852	☐	15-122			☐	☐	☐
501.39	502.48	1.09	GRD	1.09	100	K289854	☐	15-122			☐	☐	☐
502.48	503.23	0.75	GRD	0.75	100	K289855	☐	15-122			☐	☐	☐
503.23	505.19	1.96	GRD	1.75	89	K289856	☐	15-122			☐	☐	☐
505.19	508.10	2.91	GRD	2.91	100	K289858	☐	15-122			☐	☐	☐
508.10	510.80	2.70	GRD	2.66	99	K289859	☐	15-122			☐	☐	☐
510.80	512.41	1.61	GRD	1.57	98	K289860	☐	15-122			☐	☐	☐
512.41	514.20	1.79	GRD	1.79	100	K289861	☐	15-122			☐	☐	☐

Klaza - Klaza Project

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		382230	6890540	1307.43	133.2

ZONE: Western BYG

SECTION:

HOLE: KL-15-280

CLAIM:

Contractor: Platinum

Drill: 2

Core Size: HQ

Casing Depth: 4.57m, In

Drilling Dates: Aug 07 - Aug 07, 2015

Geology Logged By: D. Walsh

SURVEY			
Depth (m)	Azimuth	Dip	Method
11.27	31.8	-48.7	Reflex
133.19	35.7	-49.1	Reflex

TARGET:

SUMMARY			
From (m)	To (m)	Interval (m)	Rock Type
0	3.78	3.78	CAS
3.78	19.45	15.67	GRD
19.45	46.62	27.17	GRD
46.62	85.74	39.12	GRD
85.74	86.84	1.1	GRD
86.84	88.43	1.59	GRD
88.43	94.5	6.07	GRD
94.5	112.22	17.72	GRD
112.22	114.21	1.99	GRD
114.21	133.2	18.99	GRD

SAMPLES	
Numbers:	K290129 to K290166, R499442 to R499445
Total:	42
Batch:	116, 118, 130
Certificates:	WH15123380, WH15123384, WH15123453

COMMENTS

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
3.78	19.45	15.67	GRD	MG	Moderate to strongly pervasively oxidized trace to moderate argillic altered granodiorite. Interval is very broken up and rubbly. Weathered moderated argillic portions are gravel. Host multiple small zones of clay gouge. Pervasive oxidation and weathering obscures and obliterates rock textures.							
						MD	GY		ARG	2I		
						MD	OR		OXI	4I		
						LT	GY	RB	ARG	1I		
						LT	BN		ARG	3I		
						LT	OR		OXI	3I		
19.45	36.84	17.39	GRD	MG	Weathered and pervasively trace to weakly oxidized granodiorite with sporadic patches of oxidized argillic alteration. The weathered granodiorite is less competent (breaks easily) and pitted.							
						MD	OR					
						MD	BN		OXI	2I		
						LT	GY	RB	OXI	1I		
36.84	38.10	1.26	GRD	MG	Pervasively strongly oxidized, silicified phyllic/propyllitic(?) altered granodiorite. Oxidation obscures rock textures.							
						MD	BN		PRO	2I		
						LT	GY		PHC	2I		
						DK	GN		OXI	4I		
									SIL	3I		
38.10	44.61	6.51	GRD	MG	Weathered and pervasively trace to weakly oxidized granodiorite with sporadic patches of oxidized argillic alteration. The weathered granodiorite is less competent (breaks easily) and pitted.							
						MD	BN		OXI	2I		
						MD	OR					
						LT	GY		OXI	1I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
44.61	46.62	2.01	GRD	MG	Pervasively strongly oxidized weak to moderate phyllic altered granodiorite. Hosts a heavily goethite stained quartz vein and a partially gouge altered proximal to vein. Oxidation obscures rock textures.							
						MD	GN	EN	PHC	3I	Go	0.1
						MD	OR		OXI	4I		
						LT	OR					
46.62	63.39	16.77	GRD	MG	Unaltered granodiorite with weak to moderate oxidation along fracture surfaces with oxidation intensity decreasing with depth.							
						LT	GY		OXI	3I		
						LT	OR		OXI	2I		
63.39	64.59	1.20	GRD	MG	Alternating patches of moderate propyllitic and moderate potassic/argillic altered granodiorite. Hosts multiple carbonate+/-quartz veinlets. Patchy pervasive moderate oxidation throughout.							
						MD	PK		ARG	3I		
						MD	OR		OXI	3I		
						LT	WH		POT	3I		
						DK	GN	PA	PRO	3I		
64.59	76.22	11.63	GRD	MG	Unaltered granodiorite with weak to moderate oxidation along fracture surfaces with oxidation intensity decreasing with depth.							
						LT	GY		OXI	3I		
						LT	OR		OXI	2I		
76.22	77.80	1.58	GRD	MG	Moderate phyllic/propyllitic altered granodiorite hosting multiple quartz/carbonate/sulphide veins.							
						MD	GN	EN	PRO	3I		
						DK	GN		PHC	3I		
77.80	85.74	7.94	GRD	MG	Unaltered granodiorite with weak oxidation along fracture surfaces with oxidation intensity decreasing with depth.							
						LT	GY		OXI	2I		
						LT	OR					
85.74	86.84	1.10	GRD	MG	Moderate argillic weak potassic altered granodiorite with small moderate phyllic/propyllitic envelopes around quartz/carbonate/sulphide veins.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	PK		POT	2I		
						MD	GN		PHC	3I		
						LT	GN		PRO	3I		
						LT	WH		ARG	3I		
86.84	88.43	1.59	GRD	MG	Silicified moderate phyllic/propyllitic altered granodiorite hosting one medium and one large quartz/carbonate/sulphide breccias. Vein zone is rubbly and has oxidation along fracture surfaces.							
						MD	GN	RB	PRO	3I		
						LT	GN	BX	OXI	2I		
						DK	GN		PHC	3I		
88.43	94.50	6.07	GRD	MG	Weak to moderate potassic/propyllitic/argillic altered granodiorite.							
						MD	PK		PRO	3I		
						LT	WH		PRO	2I		
						DK	GN		POT	3I		
									ARG	2I		
									ARG	3I		
									POT	2I		
94.50	95.86	1.36	GRD	MG	Trace potassic/propyllitic altered granodiorite. Multiple minor weak phyllic envelopes around minor carbonate vein and veinlets.							
						MD	PK					
						MD	GY		PRO	1I		
						LT	GN					
						DK	GN		POT	1I		
95.86	96.55	0.69	GRD	MG	Moderate phyllic envelope around a minor vein zone of carbonate+/-quartz veins and veinlets.							
						LT	GN	EN	PHC	3I		
96.55	98.10	1.55	GRD	MG	Trace potassic/propyllitic altered granodiorite. Multiple weak phyllic envelopes around minor carbonate vein and veinlets.							
						MD	PK					
						MD	GY		PRO	1I		
						LT	GN					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						DK	GN		POT	1I		
98.10	99.20	1.10	GRD	MG	Moderate phyllic envelope around a minor vein zone of carbonate+/-quartz veins and veinlets.							
						LT	GN	EN	PHC	3I		
99.20	104.00	4.80	GRD	MG	Trace potassic/propyllitic altered granodiorite. Multiple weak phyllic envelopes around minor carbonate vein and veinlets.							
						MD	GY		PRO	1I		
						MD	PK					
						LT	GN					
						DK	GN		POT	1I		
104.00	105.55	1.55	GRD	MG	Weak phyllic envelope around a minor vein zone of carbonate+/-quartz veins and veinlets.							
						LT	GN	EN	PHC	2I		
105.55	112.22	6.67	GRD	MG	Trace potassic/propyllitic altered granodiorite. Multiple weak phyllic envelopes around minor carbonate vein and veinlets.							
						MD	GY		PRO	1I		
						MD	PK					
						LT	GN					
						DK	GN		POT	1I		
112.22	114.21	1.99	GRD	MG	Splay vein? Moderate phyllic altered granodiorite with patchy weak propyllitic alteration. Hosts a large polymetallic quartz/sulphide breccia and multiple gouge zones and quartz/sulphide veins.							
						MD	GN		PRO	2I		
						LT	GN		PHC	3I		
						DK	GN					
114.21	133.20	18.99	GRD	MG	Trace potassic/propyllitic altered granodiorite. Multiple minor weak phyllic envelopes around minor quartz/carbonate veins and veinlets.							
						MD	GY		PRO	1I		
						MD	PK		POT	1I		
						DK	GN					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
3.78	19.45	15.67	GRD	MG	Moderate to strongly pervasively oxidized trace to moderate argillic altered granodiorite. Interval is very broken up and rubbly. Weathered moderated argillic portions are gravel. Host multiple small zones of clay gouge. Pervasive oxidation and weathering obscures and obliterates rock textures.							
						LT	OR		OXI	3I		
						LT	BN		ARG	3I		
						MD	GY		ARG	2I		
						LT	GY	RB	ARG	1I		
						MD	OR		OXI	4I		
19.45	46.62	27.17	GRD	MG	Weathered and pervasively trace to weakly oxidized granodiorite with sporadic patches of oxidized argillic alteration. The weathered granodiorite is less competent (breaks easily) and pitted.							
						MD	BN		OXI	2I		
						MD	OR					
						LT	GY	RB	OXI	1I		
46.62	85.74	39.12	GRD	MG	Unaltered granodiorite with weak to moderate oxidation along fracture surfaces with oxidation intensity decreasing with depth.							
						LT	OR		OXI	2I		
						LT	GY		OXI	3I		
85.74	86.84	1.10	GRD	MG	Moderate argillic weak potassic altered granodiorite with small moderate phyllic/propyllitic envelopes around quartz/carbonate/sulphide veins.							
						MD	GN		PHC	3I		
						LT	GN		PRO	3I		
						LT	WH		ARG	3I		
						MD	PK		POT	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
86.84	88.43	1.59	GRD	MG	Silicified moderate phyllic/propyllitic altered granodiorite hosting one medium and one large quartz/carbonate/sulphide breccias. Vein zone is rubbly and has oxidation along fracture surfaces.							
						LT	GN	BX	OXI	2I		
						MD	GN	RB	PRO	3I		
						DK	GN		PHC	3I		
88.43	94.50	6.07	GRD	MG	Weak to moderate potassic/propyllitic/argillic altered granodiorite.							
						LT	WH		PRO	2I		
									ARG	3I		
						MD	PK		PRO	3I		
						DK	GN		POT	3I		
									ARG	2I		
									POT	2I		
94.50	112.22	17.72	GRD	MG	Trace potassic/propyllitic altered granodiorite. Multiple moderate phyllic envelopes around minor vein zones of carbonate+/-quartz vein and veinlets.							
						MD	GY		PRO	1I		
						DK	GN		POT	1I		
						MD	PK		PHC	3I		
						LT	GN					
112.22	114.21	1.99	GRD	MG	Splay vein? Moderate phyllic altered granodiorite with patchy weak propyllitic alteration. Hosts a large polymetallic quartz/sulphide breccia and multiple gouge zones and quartz/sulphide veins.							
						LT	GN		PHC	3I		
						MD	GN		PRO	2I		
						DK	GN					
114.21	133.20	18.99	GRD	MG	Trace potassic/propyllitic altered granodiorite. Multiple minor weak phyllic envelopes around minor quartz/carbonate veins and veinlets.							
						MD	GY		PRO	1I		
						MD	PK		POT	1I		
						DK	GN					

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
0.00	5.18	5.18	0	0	0.00	0	--	--	--	Drill Casing
5.18	8.23	3.05	2.63	86	0.00	0	--	3H	3W	
8.23	11.28	3.05	1.76	58	0.00	0	--	3H	3W	
11.28	14.33	3.05	2.7	89	0.00	0	--	2H	3W	
14.33	17.37	3.04	2.9	95	0.00	0	--	3H	3W	
17.37	20.42	3.05	3.05	100	0.73	24	--	3H	3W	
20.42	23.47	3.05	3.05	100	0.94	31	--	3H	2W	
23.47	26.52	3.05	3.05	100	1.22	40	--	3H	2W	
26.52	29.57	3.05	3.05	100	1.60	52	--	4H	2W	
29.57	32.61	3.04	3.04	100	0.60	20	--	4H	2W	
32.61	35.66	3.05	2.8	92	0.67	22	--	4H	2W	
35.66	38.71	3.05	3.05	100	0.66	22	--	4H	2W	
38.71	41.76	3.05	3.03	99	1.48	49	--	4H	2W	
41.76	44.81	3.05	3	98	2.64	87	--	4H	2W	
44.81	47.85	3.04	3.04	100	1.78	59	--	3H	2W	
47.85	50.90	3.05	3.05	100	2.69	88	--	4H	2W	
50.90	53.95	3.05	3.02	99	2.77	91	--	4H	1W	
53.95	57.00	3.05	3.05	100	2.41	79	--	4H	1W	
57.00	60.05	3.05	3.05	100	2.68	88	--	4H	1W	
60.05	63.09	3.04	3.04	100	2.67	88	--	4H	2W	
63.09	66.14	3.05	3.05	100	2.77	91	--	4H	2W	
66.14	69.19	3.05	3	98	2.74	90	--	4H	1W	
69.19	72.24	3.05	3.05	100	2.63	86	--	5H	1W	
72.24	75.29	3.05	3	98	2.72	89	--	4H	1W	
75.29	78.33	3.04	3.04	100	2.16	71	--	4H	1W	
78.33	81.38	3.05	3.05	100	2.50	82	--	4H	1W	
81.38	84.43	3.05	3.05	100	2.50	82	--	4H	1W	
84.43	87.48	3.05	3.05	100	2.32	76	--	3H	1W	
87.48	90.53	3.05	3.05	100	2.23	73	--	3H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
90.53	93.57	3.04	3.04	100	2.51	83	--	3H	1W	
93.57	96.62	3.05	3.05	100	2.78	91	--	4H	1W	
96.62	99.67	3.05	3.05	100	2.94	96	--	4H	1W	
99.67	102.72	3.05	3.05	100	2.49	82	--	4H	1W	
102.72	105.77	3.05	3.05	100	2.94	96	--	4H	1W	
105.77	108.81	3.04	3.04	100	2.08	68	--	4H	1W	
108.81	111.86	3.05	3	98	2.39	78	--	4H	1W	
111.86	114.91	3.05	3.05	100	2.62	86	--	3H	1W	
114.91	117.96	3.05	3	98	2.89	95	--	4H	1W	
117.96	121.01	3.05	3.05	100	2.95	97	--	5H	1W	
121.01	124.05	3.04	3.04	100	2.69	88	--	4H	1W	
124.05	127.10	3.05	3.05	100	2.59	85	--	4H	1W	
127.10	130.15	3.05	3	98	2.55	84	--	4H	1W	
130.15	133.20	3.05	3.05	100	2.87	94	--	4H	1W	

KL-15-280

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
0.00	0.00	0.00	-QC-	0.00	0	K290141	☐	15-116		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K290157	☐	15-118			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K290134	☐	15-116			☑	☐	☐
16.89	17.21	0.32	GRD	0.32	100	K290129	☐	15-116			☐	☐	☐
45.16	45.73	0.57	GRD	0.57	100	K290130	☐	15-116			☐	☐	☐
45.73	46.12	0.39	GRD	0.39	100	K290131	☐	15-116			☐	☐	☐
75.70	76.27	0.57	GRD	0.57	100	K290132	☐	15-116			☐	☐	☐
76.27	76.98	0.71	GRD	0.70	99	K290133	☐	15-116			☐	☐	☐
76.98	78.13	1.15	GRD	1.15	100	K290135	☐	15-116			☐	☐	☐
78.13	78.44	0.31	GRD	0.31	100	K290136	☐	15-116			☐	☐	☐
78.44	81.38	2.94	GRD	2.91	99	K290137	☐	15-116			☐	☐	☐
78.44	81.38	2.94	GRD	2.91	99	K290138	☐	15-116			☐	☑	☐
81.38	84.43	3.05	GRD	3.05	100	K290139	☐	15-116			☐	☐	☐
84.43	85.69	1.26	GRD	1.23	98	K290140	☐	15-116			☐	☐	☐
85.69	86.19	0.50	GRD	0.50	100	K290142	☐	15-116			☐	☐	☐
86.19	87.00	0.81	GRD	0.81	100	K290143	☐	15-116			☐	☐	☐
87.00	87.48	0.48	GRD	0.48	100	R499442	☐	15-130	HG		☐	☐	☐
87.48	88.08	0.60	GRD	0.60	100	R499443	☐	15-130	HG		☐	☐	☐
88.08	88.58	0.50	GRD	0.50	100	K290144	☐	15-116			☐	☐	☐
88.58	90.53	1.95	GRD	1.95	100	K290145	☐	15-116			☐	☐	☐
90.53	92.21	1.68	GRD	1.58	94	K290146	☐	15-116			☐	☐	☐
92.21	92.70	0.49	GRD	0.49	100	K290147	☐	15-118			☐	☐	☐
92.70	94.48	1.78	GRD	1.78	100	K290148	☐	15-118			☐	☐	☐
94.48	95.98	1.50	GRD	1.49	99	K290149	☐	15-118			☐	☐	☐
95.98	96.62	0.64	GRD	0.64	100	K290150	☐	15-118			☐	☐	☐
96.62	98.09	1.47	GRD	1.45	99	K290151	☐	15-118			☐	☐	☐
98.09	99.13	1.04	GRD	1.04	100	K290152	☐	15-118			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
99.13	102.08	2.95	GRD	2.95	100	K290153	☐	15-118			☐	☐	☐
99.13	102.08	2.95	GRD	2.95	100	K290154	☐	15-118			☐	☐	☑
102.08	104.73	2.65	GRD	2.63	99	K290155	☐	15-118			☐	☐	☐
104.73	105.09	0.36	GRD	0.36	100	K290156	☐	15-118			☐	☐	☐
105.09	107.95	2.86	GRD	2.86	100	K290158	☐	15-118			☐	☐	☐
107.95	108.45	0.50	GRD	0.50	100	K290159	☐	15-118			☐	☐	☐
108.45	110.55	2.10	GRD	2.01	96	K290160	☐	15-118			☐	☐	☐
110.55	110.96	0.41	GRD	0.41	100	K290161	☐	15-118			☐	☐	☐
110.96	112.53	1.57	GRD	1.53	97	K290162	☐	15-118			☐	☐	☐
110.96	112.53	1.57	GRD	1.53	97	K290163	☐	15-118			☐	☑	☐
112.53	113.03	0.50	GRD	0.50	100	K290164	☐	15-118			☐	☐	☐
113.03	113.73	0.70	GRD	0.70	100	R499444	☐	15-130	HG		☐	☐	☐
113.73	114.08	0.35	GRD	0.35	100	R499445	☐	15-130	HG		☐	☐	☐
114.08	114.60	0.52	GRD	0.52	100	K290165	☐	15-118			☐	☐	☐
114.60	115.14	0.54	GRD	0.54	100	K290166	☐	15-118			☐	☐	☐

Klaza - Klaza Project

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		382669	6890060	1393.71	121.01

ZONE: Central BYG

SECTION:

HOLE: KL-15-281

CLAIM:

Contractor: Platinum

Drill: 2

Core Size: HQ

Casing Depth: 4.57m, In

Drilling Dates: Aug 07 - Aug 09, 2015

Geology Logged By: D. Walsh

SURVEY			
Depth (m)	Azimuth	Dip	Method
14.32	33.9	-49.1	Reflex
121	33.7	-49.6	Reflex

TARGET:

SUMMARY			
From (m)	To (m)	Interval (m)	Rock Type
0	3.34	3.34	CAS
3.34	3.95	0.61	GRD
3.95	11.51	7.56	GRD
11.51	34.18	22.67	GRD
34.18	35.92	1.74	GRD
35.92	44.43	8.51	QFP
44.43	47.71	3.28	GRD
47.71	87.08	39.37	GRD
87.08	95.24	8.16	GRD
95.24	97.8	2.56	GRD
97.8	101.08	3.28	GRD
101.08	104.61	3.53	GRD
104.61	121.01	16.4	GRD

SAMPLES	
Numbers:	K290167 to K290253, R499446 to R499448
Total:	90
Batch:	118, 120, 121, 130
Certificates:	WH15123384, WH15123401, WH15123404, WH15123453

COMMENTS

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
3.34	3.95	0.61	GRD	--	Unaltered granodiorite.							
						MD	GY					
						LT	GY					
3.95	7.18	3.23	GRD	MG	Pervasively moderate to strongly oxidized, weak to moderate argillic altered granodiorite Oxidation obscures rock texture. Interval is fractured and rubbly.							
						MD	OR	RB	ARG	3I		
						LT	OR	FR	ARG	3I		
									OXI	3I		
									OXI	4I		
7.18	8.78	1.60	GRD	MG	Pervasively moderate to strongly oxidized moderate phyllic envelope around two quartz/carbonate/sulphide veins and a gouge zone.							
						MD	OR		OXI	3I		
						MD	GN		OXI	4I		
						LT	OR		PHC	3I		
8.78	11.51	2.73	GRD	MG	Pervasively moderate to strongly oxidized, weak to moderate argillic altered granodiorite Oxidation obscures rock texture. Interval is fractured and rubbly.							
						MD	OR		ARG	3I		
						LT	OR		ARG	3I		
									OXI	4I		
									OXI	3I		
11.51	12.48	0.97	GRD	MG	Unaltered granodiorite with moderate oxidation along fracture surfaces. Pervasively oxidized weak to moderate phyllic envelopes around the occasional white carbonate veinlet.							
						MD	GY		OXI	2I		
						MD	OR		OXI	3I		
12.48	13.79	1.31	GRD	MG	Pervasively oxidized patchy weak phyllic and moderate argillic altered granodiorite.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	OR		PHC	2I		
						LT	WH	PA	ARG	3I		
						LT	GN		OXI	3I		
						LT	OR					
13.79	17.79	4.00	GRD	MG	Unaltered granodiorite with moderate oxidation along fracture surfaces. Pervasively oxidized weak to moderate phyllic envelopes around the occasional white carbonate veinlet.							
						MD	GY		OXI	2I		
						MD	OR		OXI	3I		
17.79	18.49	0.70	GRD	MG	Pervasively oxidized moderate phyllic altered granodiorite around a quartz/carbonate/sulphide vein. Phyllic alteration transitions to argillic alteration distally from veining.							
						MD	OR		PHC	3I		
						MD	GN		ARG	3I		
						LT	WH	EN	OXI	3I		
18.49	27.27	8.78	GRD	MG	Unaltered granodiorite with moderate oxidation along fracture surfaces. Pervasively oxidized weak to moderate phyllic envelopes around the occasional white carbonate veinlet.							
						MD	GY		OXI	2I		
						MD	OR		OXI	3I		
27.27	28.24	0.97	GRD	MG	Pervasively oxidized moderate phyllic altered granodiorite around a quartz/carbonate/sulphide vein. Phyllic alteration transitions to argillic alteration distally from veining.							
						MD	OR		PHC	2I		
						LT	WH	EN	ARG	3I		
						LT	GN		OXI	3I		
						LT	OR					
28.24	34.18	5.94	GRD	MG	Unaltered granodiorite with moderate oxidation along fracture surfaces. Pervasively oxidized weak to moderate phyllic envelopes around the occasional white carbonate veinlet.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GY		OXI	2I		
						MD	OR		OXI	3I		
34.18	35.92	1.74	GRD	MG	Moderate phyllic, weak propyllitic altered granodiorite with patchy pervasive moderate oxidation.							
						MD	GN		PHC	3I		
						MD	OR		PRO	2I		
						DK	GN					
35.92	42.48	6.56	QFP	VF	Silicified light grey quartz feldspar porphyry dyke. Goethite staining along fracture surfaces with moderate orange oxidation bleeding out from around fractures in dyke.							
						LT	GY	FR	OXI	2I		
						LT	OR		SIL	4I		
42.48	42.65	0.17	GRD	MG	Strongly gouge altered silicified moderate phyllic altered granodiorite. Hosts trace disseminated pyrite.							
						MD	GY		SIL	3I		
						LT	GY					
						LT	GN		PHC	3I		
42.65	44.43	1.78	QFP	VF	Silicified light grey quartz feldspar porphyry dyke. Goethite staining along fracture surfaces with moderate orange oxidation bleeding out from around fractures in dyke.							
						LT	GY		OXI	2I		
						LT	OR		SIL	4I		
44.43	47.71	3.28	GRD	MG	Silicified moderate phyllic altered granodiorite with moderate oxidation along fracture surfaces. Hosts an abundance of quartz/carbonate/sulphide veining.							
						MD	GN		SIL	3I		
						LT	GN		PHC	3I		
									OXI	3I		
47.71	49.06	1.35	GRD	MG	Trace propyllitic/potassic altered granodiorite. Weak oxidation along fracture surfaces.							
						MD	GY	EN	PRO	1I		
						MD	PK					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	OR					
						DK	GN		POT	1I		
49.06	51.25	2.19	GRD	MG	Silicified moderate phyllic, weak propyllitic envelope around multiple quartz/sulphide veins. Weak to moderate oxidation along fracture surfaces.							
						MD	GN		PHC	3I		
						LT	GN	EN	SIL	3I		
						DK	GN		PRO	2I		
51.25	54.50	3.25	GRD	MG	Trace propyllitic/potassic altered granodiorite. Weak oxidation along fracture surfaces.							
						MD	GY					
						MD	PK					
						MD	OR					
						DK	GN					
54.50	60.53	6.03	GRD	MG	Moderate propyllitic/phyllic altered granodiorite with patchy weak argillic/potassic/propyllitic altered granodiorite. Phyllic altered granodiorite hosting multiple medium to large milky white quartz/sulphide veins.							
						MD	GN	EN	PRO	3I		
						MD	PK		PRO	2I		
						LT	GN	PA	PHC	3I		
						LT	WH		ARG	2I		
						DK	GN		POT	2I		
60.53	61.76	1.23	GRD	MG	Weak propyllitic/potassic altered granodiorite. Weak oxidation along fracture surfaces.							
						MD	GY					
						MD	PK					
						MD	OR					
						DK	GN					
61.76	64.73	2.97	GRD	MG	Silicified moderate to strong phyllic and weak propyllitic altered granodiorite. Hosts multiple quartz/sulphide veins and a large polymetallic Central BYG quartz/carbonate/sulphide vein.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GN		PHC	3I		
						LT	GN	EN	PRO	3I		
						DK	GN		SIL	3I		
									PHC	4I		
64.73	65.74	1.01	GRD	MG	Fractured and rubbly silicified moderate phyllic/propyllitic alteration hosting multiple quartz/sulphide veins. Phyllic alteration transitions to distal moderate argillic, weak potassic/propyllitic alteration away from veining. Patchy moderate to strong pervasive strong oxidation throughout.							
						MD	GN	PA	SIL	3I		
						MD	PK		ARG	3I		
						MD	OR		POT	2I		
						LT	GN	EN	OXI	3I		
						LT	WH		POT	3I		
						DK	GN		PHC	3I		
									PRO	2I		
65.74	71.22	5.48	GRD	MG	Weak propyllitic/potassic altered granodiorite. Weak oxidation along fracture surfaces.							
						MD	GY					
						MD	PK					
						DK	GN					
71.22	73.25	2.03	GRD	MG	Silicified moderate phyllic and weak propyllitic alteration envelope around a quartz/carbonate/sulphide vein. Moderae oxidation along fracture surfaces.							
						MD	OR		OXI	3I		
						MD	GN		PRO	2I		
						LT	GN	EN	PHC	3I		
						DK	GN		SIL	3I		
73.25	80.59	7.34	GRD	MG	Trace propyllitic/potassic altered granodiorite with sporadic pervasively oxidized rubbly patches of moderate argillic alteration.							
						MD	OR	RB	OXI	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GY	PA	ARG	3I		
						LT	WH					
80.59	82.72	2.13	GRD	MG	Alternating patches of pervasively oxidized moderate phyllic alteration and moderate argillic/potassic alteration.							
						MD	OR	PA	OXI	3I		
						MD	GN		PHC	3I		
						MD	PK		POT	3I		
						LT	WH		ARG	3I		
83.49	87.08	3.59	GRD	MG	Alternating patches of moderate argillic/potassic/propyllitic alteration, silicified moderate phyllic alteration and moderate potassic/propyllitic alteration. Moderate oxidation along fracture surfaces..							
						MD	PK		PHC	3I		
						MD	OR		OXI	3I		
						MD	GN		POT	3I		
						LT	WH		PRO	3I		
						DK	GN		ARG	3I		
87.08	95.24	8.16	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite.							
						MD	PK		POT	1I		
						MD	GY		PRO	1I		
						DK	GN		PRO	2I		
									POT	2I		
97.80	101.08	3.28	GRD	MG	Alternating patches of moderate potassic/propyllitic alteration, moderate argillic/potassic/propyllitic alteration, stron potassic alteration and moderate phyllic/propyllitic alteration.							
						MD	GN					
						MD	PK					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	WH					
						LT	GN					
						DK	GN					
104.61	121.01	16.40	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite with small moderate phyllic envelopes around sporadic quartz/carbonate veining.							
						MD	GY		PRO	1I		
						MD	PK		POT	1I		
						DK	GN		PRO	2I		
									POT	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
3.34	3.95	0.61	GRD	MG	Unaltered granodiorite.							
						LT	GY					
						MD	GY					
3.95	11.51	7.56	GRD	MG	Pervasively moderate to strongly oxidized, weak to moderate argillic altered granodiorite with moderate phyllic envelopes around occasional quartz/carbonate/sulphide veining. Oxidation obscures rock texture. Interval is fractured and rubbly.							
						LT	OR	FR	ARG	3I		
						MD	OR	RB	ARG	3I		
						MD	GN		PHC	3I		
									OXI	3I		
									OXI	4I		
11.51	34.18	22.67	GRD	MG	Unaltered granodiorite with moderate oxidation along fracture surfaces. Pervasively oxidized weak to moderate phyllic envelopes around the occasional white carbonate veinlet.							
						MD	GY		OXI	2I		
						MD	OR		OXI	3I		
34.18	35.92	1.74	GRD	MG	Moderate phyllic, weak propyllitic altered granodiorite with patchy pervasive moderate oxidation.							
						MD	OR		PRO	2I		
						DK	GN					
						MD	GN		PHC	3I		
35.92	44.43	8.51	QFP	VF	Silicified light grey quartz feldspar porphyry dyke. Goethite staining along fracture surfaces with moderate orange oxidation bleeding out from around fractures in dyke.							
						LT	GY	FR	OXI	2I		
						LT	OR		SIL	4I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
44.43	47.71	3.28	GRD	MG	Silicified moderate phyllic altered granodiorite with moderate oxidation along fracture surfaces. Hosts an abundance of quartz/carbonate/sulphide veining and a Central BYG vein.							
									OXI	3I		
						LT	GN		PHC	3I		
						MD	GN		SIL	3I		
47.71	87.08	39.37	GRD	MG	Trace propyllitic/potassic altered granodiorite with an abundance of large phyllic envelopes surrounding quartz/sulphide+/-carbonate veins and vein zones.							
						MD	PK		PHC	3I		
						LT	GN					
						MD	GN					
						MD	GY	EN	PRO	1I		
						DK	GN		POT	1I		
87.08	95.24	8.16	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite.							
						MD	GY		PRO	1I		
									POT	2I		
						MD	PK		POT	1I		
						DK	GN		PRO	2I		
97.80	101.08	3.28	GRD	MG	Alternating patches of moderate potassic/propyllitic alteration, moderate argillic/potassic/propyllitic alteration, stron potassic alteration and moderate phyllic/propyllitic alteration.							
						MD	PK					
						LT	GN					
						MD	GN					
						DK	GN					
						LT	WH					
104.61	121.01	16.40	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite with small moderate phyllic envelopes around sporadic quartz/carbonate veining.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	PK		POT	1I		
						DK	GN		PRO	2I		
						MD	GY		PRO	1I		
									POT	2I		

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
0.00	3.34	3.34	0	0	0.00	0	--	--	--	Drill Casing
3.34	5.18	1.84	1.84	100	0.34	18	--	3H	2W	
5.18	8.23	3.05	2.8	92	0.50	16	--	3H	2W	
8.23	11.28	3.05	3	98	1.99	65	--	3H	2W	
11.28	14.33	3.05	3.05	100	1.85	61	--	4H	2W	
14.33	17.37	3.04	3.04	100	2.47	81	--	4H	1W	
17.37	20.42	3.05	3.05	100	2.87	94	--	4H	2W	
20.42	23.47	3.05	3.05	100	2.28	75	--	4H	2W	
23.47	26.52	3.05	3	98	2.84	93	--	4H	2W	
26.52	29.57	3.05	3.04	100	2.49	82	--	4H	2W	
29.57	32.61	3.04	3.04	100	2.57	85	--	4H	2W	
32.61	35.66	3.05	3.05	100	2.56	84	--	4H	2W	
35.66	38.71	3.05	3.05	100	2.48	81	--	4H	1W	
38.71	41.76	3.05	3.04	100	2.01	66	--	4H	1W	
41.76	44.81	3.05	3	98	1.91	63	--	4H	2W	
44.81	47.85	3.04	3.04	100	2.55	84	--	4H	2W	
47.85	50.90	3.05	3.05	100	2.43	80	--	4H	2W	
50.90	53.95	3.05	3.05	100	2.39	78	--	4H	1W	
53.95	57.00	3.05	3.05	100	2.15	70	--	4H	1W	
57.00	60.05	3.05	3.05	100	2.75	90	--	4H	1W	
60.05	63.09	3.04	3.04	100	2.45	81	--	4H	1W	
63.09	66.14	3.05	3.05	100	2.43	80	--	4H	2W	
66.14	69.19	3.05	3.05	100	1.09	36	--	4H	2W	
69.19	72.24	3.05	3.05	100	1.63	53	--	4H	1W	
72.24	75.29	3.05	3.02	99	1.20	39	--	3H	1W	
75.29	78.33	3.04	3.04	100	1.94	64	--	4H	2W	
78.33	81.38	3.05	3.04	100	1.12	37	--	4H	2W	
81.38	84.43	3.05	3.05	100	2.08	68	--	3H	2W	
84.43	87.48	3.05	3.05	100	2.42	79	--	4H	2W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
87.48	90.53	3.05	3.04	100	2.31	76	--	4H	1W	
90.53	93.57	3.04	2.98	98	2.71	89	--	5H	1W	
93.57	96.62	3.05	3.05	100	2.94	96	--	4H	1W	
96.62	99.67	3.05	3.04	100	1.54	50	--	3H	1W	
99.67	102.72	3.05	3.02	99	2.02	66	--	3H	1W	
102.72	105.77	3.05	3.05	100	2.46	81	--	3H	1W	
105.77	108.81	3.04	3.04	100	1.54	51	--	4H	1W	
108.81	111.86	3.05	3.05	100	2.30	75	--	4H	1W	
111.86	114.91	3.05	3	98	2.56	84	--	4H	1W	
114.91	117.96	3.05	3.05	100	2.18	71	--	4H	1W	
117.96	121.01	3.05	3.05	100	1.69	55	--	4H	1W	

KL-15-281

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
0.00	0.00	0.00	-QC-	0.00	0	K290250	☐	15-121		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K290169	☐	15-118		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R499447	☐	15-130	HG	ME-140	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K290245	☐	15-121			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K290238	☐	15-121		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K290222	☐	15-121			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K290210	☐	15-120			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K290198	☐	15-120		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K290195	☐	15-120			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K290179	☐	15-118			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K290175	☐	15-118		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K290212	☐	15-120		KL-STD5	☐	☐	☐
5.53	7.49	1.96	GRD	1.87	95	K290167	☐	15-118			☐	☐	☐
7.49	7.84	0.35	GRD	0.35	100	K290168	☐	15-118			☐	☐	☐
7.84	8.34	0.50	GRD	0.47	94	K290170	☐	15-118			☐	☐	☐
8.34	8.78	0.44	GRD	0.44	100	K290171	☐	15-118			☐	☐	☐
8.78	10.24	1.46	GRD	1.43	98	K290172	☐	15-118			☐	☐	☐
10.24	12.97	2.73	GRD	2.70	99	K290173	☐	15-118			☐	☐	☐
12.97	14.33	1.36	GRD	1.36	100	K290174	☐	15-118			☐	☐	☐
14.33	17.37	3.04	GRD	2.97	98	K290176	☐	15-118			☐	☐	☐
17.37	17.79	0.42	GRD	0.42	100	K290177	☐	15-118			☐	☐	☐
17.79	18.11	0.32	GRD	0.32	100	K290178	☐	15-118			☐	☐	☐
18.11	20.42	2.31	GRD	2.16	94	K290180	☐	15-118			☐	☐	☐
20.42	23.47	3.05	GRD	3.05	100	K290181	☐	15-118			☐	☐	☐
23.47	26.52	3.05	GRD	3.05	100	K290182	☐	15-118			☐	☐	☐
26.52	27.68	1.16	GRD	1.07	92	K290183	☐	15-120			☐	☐	☐
27.68	28.08	0.40	GRD	0.40	100	K290184	☐	15-120			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
28.08	29.57	1.49	GRD	1.42	95	K290185	☐	15-120			☐	☐	☐
29.57	32.61	3.04	GRD	3.02	99	K290186	☐	15-120			☐	☐	☐
29.57	32.61	3.04	GRD	3.02	99	K290187	☐	15-120			☐	☐	☑
32.61	35.04	2.43	GRD	2.36	97	K290188	☐	15-120			☐	☐	☐
35.04	35.90	0.86	GRD	0.86	100	K290189	☐	15-120			☐	☐	☐
35.90	36.24	0.34	GRD	0.34	100	K290190	☐	15-120			☐	☐	☐
36.24	38.71	2.47	QFP	2.43	98	K290191	☐	15-120			☐	☐	☐
38.71	41.76	3.05	QFP	3.05	100	K290192	☐	15-120			☐	☐	☐
41.76	42.52	0.76	QFP	0.75	99	K290193	☐	15-120			☐	☐	☐
42.52	42.81	0.29	QFP	0.29	100	K290194	☐	15-120			☐	☐	☐
42.81	43.33	0.52	QFP	0.51	98	K290196	☐	15-120			☐	☐	☐
43.33	44.43	1.10	QFP	1.10	100	K290197	☐	15-120			☐	☐	☐
44.43	44.94	0.51	QFP, GRD	0.49	96	K290199	☐	15-120			☐	☐	☐
44.94	45.49	0.55	GRD	0.53	96	K290200	☐	15-120			☐	☐	☐
45.49	45.73	0.24	GRD	0.24	100	R499446	☐	15-130	HG		☐	☐	☐
45.73	47.67	1.94	GRD	1.88	97	K290201	☐	15-120			☐	☐	☐
47.67	49.10	1.43	GRD	1.30	91	K290202	☐	15-120			☐	☐	☐
49.10	49.59	0.49	GRD	0.49	100	K290203	☐	15-120			☐	☐	☐
49.10	49.59	0.49	GRD	0.49	100	K290204	☐	15-120			☐	☑	☐
49.59	50.00	0.41	GRD	0.40	98	K290205	☐	15-120			☐	☐	☐
50.00	51.12	1.12	GRD	1.06	95	K290206	☐	15-120			☐	☐	☐
51.12	53.95	2.83	GRD	2.76	98	K290207	☐	15-120			☐	☐	☐
53.95	56.21	2.26	GRD	2.26	100	K290208	☐	15-120			☐	☐	☐
56.21	56.76	0.55	GRD	0.55	100	K290209	☐	15-120			☐	☐	☐
56.76	58.20	1.44	GRD	1.19	83	K290211	☐	15-120			☐	☐	☐
58.20	59.38	1.18	GRD	1.18	100	K290213	☐	15-120			☐	☐	☐
59.38	60.53	1.15	GRD	1.15	100	K290214	☐	15-120			☐	☐	☐
60.53	61.77	1.24	GRD	1.16	94	K290215	☐	15-120			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
61.77	62.19	0.42	GRD	0.42	100	K290216	☐	15-120			☐	☐	☐
62.19	62.75	0.56	GRD	0.54	96	R499448	☐	15-130	HG		☐	☐	☐
62.75	63.56	0.81	GRD	0.80	99	K290217	☐	15-120			☐	☐	☐
63.56	64.68	1.12	GRD	1.12	100	K290218	☐	15-120			☐	☐	☐
64.68	65.68	1.00	GRD	1.00	100	K290219	☐	15-121			☐	☐	☐
65.68	67.25	1.57	GRD	1.49	95	K290220	☐	15-121			☐	☐	☐
67.25	67.77	0.52	GRD	0.46	88	K290221	☐	15-121			☐	☐	☐
67.77	69.13	1.36	GRD	1.16	85	K290223	☐	15-121			☐	☐	☐
69.13	72.00	2.87	GRD	2.76	96	K290224	☐	15-121			☐	☐	☐
72.00	72.56	0.56	GRD	0.54	96	K290225	☐	15-121			☐	☐	☐
72.56	72.87	0.31	GRD	0.31	100	K290226	☐	15-121			☐	☐	☐
72.87	73.84	0.97	GRD	0.97	100	K290227	☐	15-121			☐	☐	☐
73.84	74.35	0.51	GRD	0.51	100	K290228	☐	15-121			☐	☐	☐
74.35	75.29	0.94	GRD	0.94	100	K290229	☐	15-121			☐	☐	☐
74.35	75.29	0.94	GRD	0.94	100	K290230	☐	15-121			☐	☐	☑
75.29	78.33	3.04	GRD	2.96	97	K290231	☐	15-121			☐	☐	☐
78.33	80.61	2.28	GRD	2.28	100	K290232	☐	15-121			☐	☐	☐
80.61	82.70	2.09	GRD	2.00	96	K290233	☐	15-121			☐	☐	☐
82.70	83.93	1.23	GRD	1.23	100	K290234	☐	15-121			☐	☐	☐
82.70	83.93	1.23	GRD	1.23	100	K290235	☐	15-121			☐	☑	☐
83.93	85.35	1.42	GRD	1.42	100	K290236	☐	15-121			☐	☐	☐
85.35	85.81	0.46	GRD	0.46	100	K290237	☐	15-121			☐	☐	☐
85.81	88.21	2.40	GRD	2.37	99	K290239	☐	15-121			☐	☐	☐
88.21	88.55	0.34	GRD	0.34	100	K290240	☐	15-121			☐	☐	☐
88.55	90.53	1.98	GRD	1.94	98	K290241	☐	15-121			☐	☐	☐
90.53	93.57	3.04	GRD	3.04	100	K290242	☐	15-121			☐	☐	☐
93.57	95.76	2.19	GRD	2.19	100	K290243	☐	15-121			☐	☐	☐
95.76	96.61	0.85	GRD	0.85	100	K290244	☐	15-121			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
96.61	97.78	1.17	GRD	1.17	100	K290246	☐	15-121			☐	☐	☐
97.78	99.62	1.84	GRD	1.82	99	K290247	☐	15-121			☐	☐	☐
99.62	101.04	1.42	GRD	1.42	100	K290248	☐	15-121			☐	☐	☐
101.04	101.67	0.63	GRD	0.62	98	K290249	☐	15-121			☐	☐	☐
101.67	103.52	1.85	GRD	1.85	100	K290251	☐	15-121			☐	☐	☐
103.52	104.60	1.08	GRD	1.08	100	K290252	☐	15-121			☐	☐	☐
104.60	105.17	0.57	GRD	0.57	100	K290253	☐	15-121			☐	☐	☐

Klaza - Klaza Project

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		382737	6889998	1400.2	126.8

ZONE: Central BYG

SECTION:

HOLE: KL-15-282

CLAIM:

Contractor: Platinum

Drill: 2

Core Size: HQ

Casing Depth: 4.57m, In

Drilling Dates: Aug 09 - Aug 09, 2015

Geology Logged By: D. Walsh

SURVEY			
Depth (m)	Azimuth	Dip	Method
2.13	25.9	-47.3	Reflex
124.05	35.4	-47.7	Reflex

TARGET:

SUMMARY			
From (m)	To (m)	Interval (m)	Rock Type
0	2.98	2.98	CAS
2.98	15.96	12.98	GRD
15.96	16.96	1	QFP
16.96	30.35	13.39	GRD
30.35	42.87	12.52	GRD
42.87	50.47	7.6	GRD
50.47	75.2	24.73	GRD
75.2	82	6.8	GRD
82	85.62	3.62	GRD
85.62	86.65	1.03	QFP
86.65	88.05	1.4	GRD
88.05	89.14	1.09	QFP
89.14	91.67	2.53	GRD
91.67	99.3	7.63	GRD
99.3	109.29	9.99	GRD
109.29	126.8	17.51	GRD

SAMPLES	
Numbers:	K290254 to K290354, R499451 to R499453
Total:	104
Batch:	121, 123, 124, 125, 130
Certificates:	WH15123404, WH15123409, WH15123410, WH15123412, WH15123453

COMMENTS
Downhole survey started 9' from EOH.

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
2.98	15.96	12.98	GRD	MG	Pervasively oxidized alternating patches of weak to moderate phyllic alteration and moderate potassic argillic alteration with occasional patches of unaltered granodiorite. Strongly oxidized patches of argillic alteration are rubbly and crumble easily.							
						MD	OR	PA	OXI	4I		
						MD	GN		OXI	3I		
						MD	GY		PHC	2I		
						LT	WH		PHC	3I		
									ARG	3I		
									POT	3I		
15.96	16.96	1.00	QFP	MG	Pervasively oxidized, strongly silicified brown/orange quartz feldspar porphyry dyke. Goethite staining along fracture surfaces.							
						MD	BN		SIL	4I	Go	1
						MD	OR		OXI	3I		
16.96	30.35	13.39	GRD	MG	Alternating patches of phyllic overprinted weak argillic alteration and moderate propyllitic/phyllic alteration. Interval has patchy pervasive oxidation along with strong oxidation on fracture surfaces.							
						MD	OR	PA	PHC	3I		
						MD	GN		PHC	2I		
						LT	GN		OXI	3I		
						LT	WH		OXI	4I		
									ARG	2I		
30.35	32.36	2.01	GRD	MG	Unaltered granodiorite with rubbly patches of argillic alteration. Moderate oxidation along fracture surfaces.							
						MD	GY		OXI	3I		
						MD	OR					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
32.36	34.41	2.05	GRD	MG	Small proximal phyllic envelope with large distal potassic/argillic halo around a small quartz/carbonate vein.							
						MD	GN		POT	3I		
						LT	WH	EN	PHC	3I		
						LT	GN		ARG	3I		
34.41	37.08	2.67	GRD	MG	Unaltered granodiorite with rubbly patches of argillic alteration. Moderate oxidation along fracture surfaces.							
						MD	GY		OXI	3I		
						MD	OR					
37.08	41.84	4.76	GRD	MG	Alternating patches of weak phyllic alteration, weak potassic/argillic alteration and weak potassic/propyllitic alteration. Moderate oxidation along fracture surfaces.							
						MD	OR		PHC	2I		
						MD	PK		ARG	2I		
						LT	GN	PA	OXI	3I		
						LT	WH		PRO	2I		
						DK	GN		POT	2I		
41.84	42.87	1.03	GRD	MG	Unaltered granodiorite with rubbly patches of argillic alteration. Moderate oxidation along fracture surfaces.							
						MD	GY		OXI	3I		
						MD	OR					
42.87	50.47	7.60	GRD	MG	Moderate phyllic altered granodiorite with patchy weak propyllitic alteration. Hosts multiple quartz/carbonate/sulphide/tourmaline veins. Moderate oxidation along fracture surfaces.							
						MD	OR		PRO	2I		
						MD	GN		PHC	3I		
						LT	GN		OXI	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
50.47	55.77	5.30	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite with rubbly patches of argillic alteration and multiple large proximal phyllic/distal argillic envelopes around minor quartz/carbonate veining.							
						MD	GY	RB	PRO	1I		
						MD	PK		POT	1I		
						MD	PK		ARG	3I		
						LT	WH		POT	2I		
						DK	GN		PRO	2I		
									PHC	3I		
55.77	56.48	0.71	GRD	MG	Moderate phyllic envelope around a moderate quartz/carbonate/sulphide vein. Phyllic alteration transition to rubbly moderate argillic/potassic/propyllitic alteration distally from vein.							
						MD	GN					
						MD	PK					
						LT	GN	EN				
						LT	WH					
						DK	GN					
56.48	57.56	1.08	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite.							
						MD	PK		POT	1I		
						MD	GY		PRO	1I		
						DK	GN		PRO	2I		
									POT	2I		
57.56	59.27	1.71	GRD	MG	Moderate phyllic envelope around a moderate quartz/carbonate/sulphide vein. Phyllic alteration transition to moderate argillic/potassic alteration distally from vein.							
						MD	GN		ARG	3I		
						MD	PK					
						LT	GN	EN	PHC	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	WH		POT	3I		
59.27	63.69	4.42	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite with rubbly patches of argillic alteration and multiple large proximal phyllic/distal argillic envelopes around minor quartz/carbonate veining.							
						MD	GY		PRO	1I		
						MD	PK		POT	1I		
						MD	PK		ARG	3I		
						LT	WH		POT	2I		
						DK	GN		PRO	2I		
									PHC	3I		
63.69	67.73	4.04	GRD	MG	Moderate argillic/weak potassic altered granodiorite with minor phyllic envelopes around carbonate veining.							
						MD	PK		POT	2I		
						LT	GN		PHC	2I		
						LT	WH		ARG	3I		
67.73	71.66	3.93	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite with rubbly patches of argillic alteration and multiple large proximal phyllic/distal argillic envelopes around minor quartz/carbonate veining.							
						MD	GY		PRO	1I		
						MD	PK		POT	1I		
						MD	PK		ARG	3I		
						LT	WH		POT	2I		
						DK	GN		PRO	2I		
									PHC	3I		
71.66	72.24	0.58	GRD	MG	Moderate phyllic envelope around a quartz/carbonate/sulphide vein.							
						MD	GN					
						LT	GN	EN	PHC	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
72.24	75.20	2.96	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite with rubbly patches of argillic alteration.							
						MD	PK	PA	PRO	1I		
						MD	GY		POT	1I		
						LT	WH	RB	PRO	2I		
						DK	GN		POT	2I		
									ARG	3I		
75.20	82.00	6.80	GRD	MG	Moderate phyllic/propyllitic altered granodiorite. Hosts the occasional quartz/carbonate/sulphide vein and on black breccia.							
						MD	GN		PRO	3I		
						LT	GN		PHC	3I		
						DK	GN					
82.00	85.62	3.62	GRD	MG	Moderate to strongly phyllic altered granodiorite with patchy weak propyllitic alteration. Host the hanging wall polymetallic Central BYG vein, multiple quartz/carbonate/sulphide veins and an abundance of carbonate veining that forms a net texture in places.							
						MD	GN		PHC	4I		
						LT	GN		PHC	3I		
						DK	GN		PRO	2I		
85.62	86.65	1.03	QFP	VF	Fractured strongly silicified brown/red quartz feldspar porphyry dyke.							
						MD	BN	FR	SIL	4I		
						MD	PU					
86.65	88.05	1.40	GRD	MG	Partially gouge altered moderate phyllic and weak propyllitic altered granodiorite hosting a siliceous quart sulphide breccia and a rubbly quartz/sulphide vein.							
						MD	GN		PRO	2I		
						LT	GN		PHC	3I		
88.05	89.14	1.09	QFP	VF	Silicified brown/orange quartz feldspar porphyry dyke.							
						MD	OR		SIL	4I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	BN					
89.14	91.67	2.53	GRD	MG	Moderate to strongly silicified phyllic/propyllitic altered granodiorite with patches of partial gouge alteration. Hosts an abundance of quartz/carbonate/sulphide veins.							
						MD	GN		PHC	3I		
						MD	GY		SIL	3I		
						LT	GN		PRO	3I		
						LT	GY		SIL	4I		
91.67	96.08	4.41	GRD	MG	Strong to intensely silicified phyllic/propyllitic altered granodiorite. Hosts multiple quartz/carbonate/sulphide veins. Interval is highly fractured and rubbly in places.							
						MD	GY		SIL	5I		
						MD	GN		PRO	3I		
						LT	GY		SIL	4I		
						DK	GN		PHC	3I		
96.08	97.12	1.04	GRD	MG	Intensely silicified strongly propyllitic/potassic altered granodiorite. Silica flooding obliterates rock textures.							
						MD	GY		SIL	5I		
						MD	GN		POT	4I		
						DK	PK		PRO	4I		
97.12	99.30	2.18	GRD	MG	Strong to intensely silicified phyllic/propyllitic altered granodiorite. Hosts multiple quartz/carbonate/sulphide veins. Interval is highly fractured and rubbly in places.							
						MD	GY		SIL	5I		
						MD	GN		PRO	3I		
						LT	GY		SIL	4I		
						DK	GN		PHC	3I		
99.30	109.29	9.99	GRD	MG	Moderate to strongly silicified phyllic/propyllitic altered granodiorite. Hosts multiple quartz/sulphide/magnetite veins/veinlets.							
						MD	GN		SIL	4I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GY		PHC	3I		
						LT	GN		SIL	3I		
						LT	GY		PRO	3I		
109.29	112.07	2.78	GRD	MG	Strong to intensely silicified phyllic/propyllitic altered granodiorite. Hosts disseminated to blebby pyrite and black tourmaline.							
						MD	GY		SIL	5I	To	1
						MD	GN		PRO	3I		
						LT	GN		PHC	3I		
						LT	GY		SIL	4I	Py	0.1
112.07	120.84	8.77	GRD	MG	Strong to intensely silicified phyllic/propyllitic altered granodiorite.							
						MD	GY		SIL	5I		
						MD	GN		PRO	3I		
						LT	GY		SIL	4I		
						LT	GN		PHC	3I		
120.84	123.82	2.98	GRD	MG	Strong to intensely silicified phyllic/propyllitic altered granodiorite. Hosts disseminated to blebby pyrite and black tourmaline.							
						MD	GY		SIL	5I		
						MD	GN		PRO	3I		
						LT	GY		SIL	4I		
						LT	GN		PHC	3I		
123.82	126.80	2.98	GRD	MG	Strong to intensely silicified phyllic/propyllitic altered granodiorite.							
						MD	GY		SIL	5I		
						MD	GN		PRO	3I		
						LT	GN		PHC	3I		
						LT	GY		SIL	4I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
2.98	15.96	12.98	GRD	MG	Pervasively oxidized alternating patches of weak to moderate phyllic alteration and moderate potassic argillic alteration with occasional patches of unaltered granodiorite. Strongly oxidized patches of argillic alteration are rubbly and crumble easily.							
						MD	GN		OXI	3I		
						LT	WH		PHC	3I		
						MD	GY		PHC	2I		
									ARG	3I		
									POT	3I		
						MD	OR	PA	OXI	4I		
15.96	16.96	1.00	QFP	MG	Pervasively oxidized, strongly silicified brown/orange quartz feldspar porphyry dyke. Goethite staining along fracture surfaces.							
						MD	BN		SIL	4I	Go	1
						MD	OR		OXI	3I		
16.96	30.35	13.39	GRD	MG	Alternating patches of phyllic overprinted weak argillic alteration and moderate propyllitic/phyllic alteration. Interval has patchy pervasive oxidation along with strong oxidation on fracture surfaces.							
									ARG	2I		
						MD	OR	PA	PHC	3I		
						MD	GN		PHC	2I		
						LT	GN		OXI	3I		
						LT	WH		OXI	4I		
30.35	42.87	12.52	GRD	MG	Unaltered granodiorite with rubbly patches of argillic alteration and multiple large proximal phyllic/distal argillic envelopes around minor quartz/carbonate veining. Moderate oxidation along fracture surfaces.							
						MD	GN					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	WH		ARG	3I		
						MD	GY		OXI	3I		
						MD	OR		PHC	3I		
42.87	50.47	7.60	GRD	MG	Moderate phyllic altered granodiorite with patchy weak propyllitic alteration. Hosts multiple quartz/carbonate/sulphide/tourmaline veins. Moderate oxidation along fracture surfaces.							
						LT	GN		OXI	3I		
						MD	GN		PHC	3I		
						MD	OR		PRO	2I		
50.47	75.20	24.73	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite with rubbly patches of argillic alteration and multiple large proximal phyllic/distal argillic envelopes around minor quartz/carbonate veining.							
						MD	GY	RB	PRO	1I		
						DK	GN		PRO	2I		
						MD	PK		POT	1I		
						LT	WH		POT	2I		
						MD	PK		ARG	3I		
									PHC	3I		
75.20	82.00	6.80	GRD	MG	Moderate phyllic/propyllitic altered granodiorite. Hosts the occasional quartz/carbonate/sulphide vein and on black breccia.							
						MD	GN		PRO	3I		
						DK	GN					
						LT	GN		PHC	3I		
82.00	85.62	3.62	GRD	MG	Moderate to strongly phyllic altered granodiorite with patchy weak propyllitic alteration. Host the hanging wall polymetallic Central BYG vein, multiple quartz/carbonate/sulphide veins and an abundance of carbonate veining that forms a net texture in places.							
						LT	GN		PHC	3I		
						MD	GN		PHC	4I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						DK	GN		PRO	2I		
85.62	86.65	1.03	QFP	VF	Fractured strongly silicified brown/red quartz feldspar porphyry dyke.							
						MD	BN	FR	SIL	4I		
						MD	PU					
86.65	88.05	1.40	GRD	MG	Partially gouge altered moderate phyllic and weak propyllitic altered granodiorite hosting a siliceous quart sulphide breccia and a rubbly quartz/sulphide vein.							
						LT	GN		PHC	3I		
						MD	GN		PRO	2I		
88.05	89.14	1.09	QFP	VF	Silicified brown/orange quartz feldspar porphyry dyke.							
						MD	OR		SIL	4I		
						MD	BN					
89.14	91.67	2.53	GRD	MG	Moderate to strongly silicified phyllic/propyllitic altered granodiorite with patches of partial gouge alteration. Hosts an abundance of quartz/carbonate/sulphide veins.							
						MD	GN		PHC	3I		
						MD	GY		SIL	3I		
						LT	GN		PRO	3I		
						LT	GY		SIL	4I		
91.67	99.30	7.63	GRD	MG	Strong to intensely silicified phyllic/propyllitic altered granodiorite. Hosts multiple quartz/carbonate/sulphide veins. Interval is highly fractured and rubbly in places.							
						LT	GY					
						MD	GY					
						MD	GN					
						DK	GN					
99.30	109.29	9.99	GRD	MG	Moderate to strongly silicified phyllic/propyllitic altered granodiorite. Hosts multiple quartz/sulphide/magnetite veins/veinlets.							
						LT	GN		SIL	3I		
						MD	GN		SIL	4I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	GY		PRO	3I		
						MD	GY		PHC	3I		
109.29	126.80	17.51	GRD	MG	Strong to intensely silicified phyllic/propyllitic altered granodiorite. Host multiple zones that contain disseminated to blebby pyrite and black tourmaline.							
						LT	GN		PHC	3I		
						LT	GY		SIL	4I		
						MD	GY		SIL	5I		
						MD	GN		PRO	3I		

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
0.00	2.98	2.98	0	0	0.00	0	--	--	--	
2.98	5.18	2.20	2.18	99	0.95	43	--	4H	3W	
5.18	8.23	3.05	2.98	98	2.00	66	--	4H	3W	
8.23	11.28	3.05	3.04	100	2.69	88	--	4H	2W	
11.28	14.33	3.05	3.04	100	2.47	81	--	3H	3W	
14.33	17.37	3.04	3.01	99	2.12	70	--	3H	2W	
17.37	20.42	3.05	3.05	100	2.49	82	--	4H	3W	
20.42	23.47	3.05	3.04	100	1.68	55	--	2H	4W	
23.47	26.52	3.05	3.04	100	2.33	76	--	4H	2W	
26.52	29.57	3.05	3.05	100	2.59	85	--	4H	2W	
29.57	32.61	3.04	3.04	100	1.44	47	--	4H	2W	
32.61	35.66	3.05	3.02	99	2.54	83	--	3H	2W	
35.66	38.71	3.05	3.05	100	2.36	77	--	3H	2W	
38.71	41.76	3.05	3.05	100	1.86	61	--	3H	2W	
41.76	44.81	3.05	3.04	100	2.33	76	--	4H	2W	
44.81	47.85	3.04	3.04	100	2.49	82	--	3H	2W	
47.85	50.90	3.05	3.05	100	2.39	78	--	3H	2W	
50.90	53.95	3.05	3.05	100	1.42	47	--	3H	1W	
53.95	57.00	3.05	3.05	100	1.20	39	--	3H	1W	
57.00	60.05	3.05	3.05	100	2.44	80	--	3H	1W	
60.05	63.09	3.04	3.02	99	1.68	55	--	3H	1W	
63.09	66.14	3.05	3.05	100	2.46	81	--	3H	1W	
66.14	69.19	3.05	3.05	100	2.26	74	--	3H	1W	
69.19	72.24	3.05	3.05	100	1.64	54	--	3H	1W	
72.24	75.29	3.05	3.04	100	0.88	29	--	2H	1W	
75.29	78.33	3.04	3.04	100	1.88	62	--	4H	1W	
78.33	81.38	3.05	3.05	100	1.86	61	--	4H	1W	
81.38	84.43	3.05	2.99	98	1.65	54	--	3H	1W	
84.43	87.48	3.05	3.05	100	1.44	47	--	2H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
87.48	90.53	3.05	3	98	2.03	67	--	3H	1W	
90.53	93.57	3.04	3.04	100	0.65	21	--	3H	1W	
93.57	96.62	3.05	3.05	100	0.59	19	--	2H	1W	
96.62	99.67	3.05	3.05	100	1.22	40	--	4H	1W	
99.67	102.72	3.05	3.05	100	0.96	31	--	4H	1W	
102.72	105.77	3.05	3.04	100	1.39	46	--	3H	1W	
105.77	108.81	3.04	3.04	100	0.63	21	--	3H	1W	
108.81	111.86	3.05	3.05	100	1.11	36	--	4H	1W	
111.86	114.91	3.05	2.98	98	1.41	46	--	4H	1W	
114.91	117.96	3.05	3.02	99	0.58	19	--	3H	1W	
117.96	121.01	3.05	3.05	100	2.35	77	--	3H	1W	
121.01	124.05	3.04	2.93	96	1.36	45	--	4H	1W	
124.05	126.80	2.75	2.75	100	0.34	12	--	4H	1W	

KL-15-282

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
0.00	0.00	0.00	-QC-	0.00	0	K290269	☐	15-123			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K290283	☐	15-123			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K290285	☐	15-123		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K290303	☐	15-124			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K290310	☐	15-124			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K290312	☐	15-124		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K290316	☐	15-124		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K290334	☐	15-125		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K290337	☐	15-125			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K290341	☐	15-125			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K290264	☐	15-123		KL-STD4	☐	☐	☐
5.15	6.66	1.51	GRD	1.51	100	K290254	☐	15-121			☐	☐	☐
6.66	7.49	0.83	GRD	0.74	89	K290255	☐	15-123			☐	☐	☐
7.49	8.40	0.91	GRD	0.91	100	K290256	☐	15-123			☐	☐	☐
8.40	11.28	2.88	GRD	2.85	99	K290257	☐	15-123			☐	☐	☐
8.40	11.28	2.88	GRD	2.85	99	K290258	☐	15-123			☐	☑	☐
11.28	14.33	3.05	GRD	3.05	100	K290259	☐	15-123			☐	☐	☐
14.33	16.00	1.67	GRD	1.64	98	K290260	☐	15-123			☐	☐	☐
16.00	16.94	0.94	QFP	0.92	98	K290261	☐	15-123			☐	☐	☐
16.94	18.93	1.99	QFP	1.99	100	K290262	☐	15-123			☐	☐	☐
18.93	19.68	0.75	GRD	0.74	99	K290263	☐	15-123			☐	☐	☐
19.68	21.45	1.77	GRD	1.73	98	K290265	☐	15-123			☐	☐	☐
21.45	22.46	1.01	GRD	1.01	100	K290266	☐	15-123			☐	☐	☐
22.46	23.44	0.98	GRD	0.98	100	K290267	☐	15-123			☐	☐	☐
23.44	23.74	0.30	GRD	0.30	100	K290268	☐	15-123			☐	☐	☐
23.74	25.07	1.33	GRD	1.31	98	K290270	☐	15-123			☐	☐	☐
25.07	26.52	1.45	GRD	1.43	99	K290271	☐	15-123			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
26.52	28.49	1.97	GRD	1.94	98	K290272	☐	15-123			☐	☐	☐
28.49	30.30	1.81	GRD	1.80	99	K290273	☐	15-123			☐	☐	☐
30.30	32.50	2.20	GRD	2.20	100	K290274	☐	15-123			☐	☐	☐
32.50	33.64	1.14	GRD	1.14	100	K290275	☐	15-123			☐	☐	☐
33.64	35.62	1.98	GRD	1.98	100	K290276	☐	15-123			☐	☐	☐
33.64	35.66	2.02	GRD	1.98	98	K290277	☐	15-123			☐	☐	☑
35.66	38.71	3.05	GRD	3.05	100	K290278	☐	15-123			☐	☐	☐
38.71	41.76	3.05	GRD	3.05	100	K290279	☐	15-123			☐	☐	☐
41.76	43.54	1.78	GRD	1.75	98	K290280	☐	15-123			☐	☐	☐
43.54	44.51	0.97	GRD	0.97	100	K290281	☐	15-123			☐	☐	☐
44.51	44.81	0.30	GRD	0.30	100	K290282	☐	15-123			☐	☐	☐
44.81	45.92	1.11	GRD	1.11	100	K290284	☐	15-123			☐	☐	☐
45.92	47.85	1.93	GRD	1.93	100	K290286	☐	15-123			☐	☐	☐
47.85	48.27	0.42	GRD	0.39	93	K290287	☐	15-123			☐	☐	☐
48.27	49.07	0.80	GRD	0.77	96	K290288	☐	15-123			☐	☐	☐
49.07	49.37	0.30	GRD	0.30	100	K290289	☐	15-123			☐	☐	☐
49.37	50.30	0.93	GRD	0.93	100	K290290	☐	15-123			☐	☐	☐
50.30	51.95	1.65	GRD	1.60	97	K290291	☐	15-124			☐	☐	☐
51.95	52.33	0.38	GRD	0.38	100	K290292	☐	15-124			☐	☐	☐
52.33	53.95	1.62	GRD	1.62	100	K290293	☐	15-124			☐	☐	☐
53.95	56.00	2.05	GRD	2.05	100	K290294	☐	15-124			☐	☐	☐
56.00	56.31	0.31	GRD	0.31	100	K290295	☐	15-124			☐	☐	☐
56.31	57.00	0.69	GRD	0.68	99	K290296	☐	15-124			☐	☐	☐
57.00	57.81	0.81	GRD	0.81	100	K290297	☐	15-124			☐	☐	☐
57.81	58.46	0.65	GRD	0.65	100	K290298	☐	15-124			☐	☐	☐
58.46	59.00	0.54	GRD	0.44	81	K290299	☐	15-124			☐	☐	☐
70.61	71.19	0.58	GRD	0.58	100	K290300	☐	15-124			☐	☐	☐
71.19	71.69	0.50	GRD	0.50	100	K290301	☐	15-124			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
71.69	72.08	0.39	GRD	0.38	97	K290302	☐	15-124			☐	☐	☐
72.08	74.98	2.90	GRD	2.56	88	K290304	☐	15-124			☐	☐	☐
74.98	76.82	1.84	GRD	1.84	100	K290305	☐	15-124			☐	☐	☐
74.98	76.82	1.84	GRD	1.84	100	K290306	☐	15-124			☐	☑	☐
76.82	78.33	1.51	GRD	1.51	100	K290307	☐	15-124			☐	☐	☐
78.33	79.52	1.19	GRD	1.19	100	K290308	☐	15-124			☐	☐	☐
79.52	80.09	0.57	GRD	0.57	100	K290309	☐	15-124			☐	☐	☐
80.09	80.88	0.79	GRD	0.79	100	K290311	☐	15-124			☐	☐	☐
80.88	82.77	1.89	GRD	1.76	93	K290313	☐	15-124			☐	☐	☐
82.77	83.74	0.97	GRD	0.89	92	K290314	☐	15-124			☐	☐	☐
83.74	85.06	1.32	GRD	1.30	98	R499451	☐	15-130	HG		☐	☐	☐
85.06	85.39	0.33	GRD	0.33	100	R499452	☐	15-130	HG		☐	☐	☐
85.39	85.75	0.36	GRD	0.32	89	K290315	☐	15-124			☐	☐	☐
85.75	86.64	0.89	QFP	0.87	98	K290317	☐	15-124			☐	☐	☐
86.64	87.18	0.54	QFP	0.53	98	K290318	☐	15-124			☐	☐	☐
87.18	87.48	0.30	GRD	0.30	100	R499453	☐	15-130	HG		☐	☐	☐
87.48	88.03	0.55	GRD	0.55	100	K290319	☐	15-124			☐	☐	☐
87.48	88.03	0.55	GRD	0.55	100	K290320	☐	15-124			☐	☐	☑
88.03	89.14	1.11	GRD	1.11	100	K290321	☐	15-124			☐	☐	☐
89.14	89.68	0.54	GRD, QFP	0.54	100	K290322	☐	15-124			☐	☐	☐
89.68	91.69	2.01	GRD	1.91	95	K290323	☐	15-124			☐	☐	☐
91.69	92.62	0.93	GRD	0.93	100	K290324	☐	15-124			☐	☐	☐
92.62	93.57	0.95	GRD	0.95	100	K290325	☐	15-124			☐	☐	☐
93.57	95.39	1.82	GRD	1.71	94	K290326	☐	15-124			☐	☐	☐
95.39	96.00	0.61	GRD	0.60	98	K290327	☐	15-125			☐	☐	☐
96.00	97.27	1.27	GRD	1.27	100	K290328	☐	15-125			☐	☐	☐
97.27	99.36	2.09	GRD	2.09	100	K290329	☐	15-125			☐	☐	☐
99.36	100.77	1.41	GRD	0.34	24	K290330	☐	15-125			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
100.77	102.16	1.39	GRD	1.31	94	K290331	☐	15-125			☐	☐	☐
102.16	103.00	0.84	GRD	0.84	100	K290332	☐	15-125			☐	☐	☐
103.00	103.80	0.80	GRD	0.80	100	K290333	☐	15-125			☐	☐	☐
103.80	105.32	1.52	GRD	1.28	84	K290335	☐	15-125			☐	☐	☐
105.32	105.77	0.45	GRD	0.45	100	K290336	☐	15-125			☐	☐	☐
105.77	107.85	2.08	GRD	2.08	100	K290338	☐	15-125			☐	☐	☐
107.85	109.30	1.45	GRD	1.44	99	K290339	☐	15-125			☐	☐	☐
109.30	110.24	0.94	GRD	0.94	100	K290340	☐	15-125			☐	☐	☐
110.24	111.12	0.88	GRD	0.87	99	K290342	☐	15-125			☐	☐	☐
111.12	112.06	0.94	GRD	0.94	100	K290343	☐	15-125			☐	☐	☐
112.06	114.91	2.85	GRD	2.85	100	K290344	☐	15-125			☐	☐	☐
114.91	117.96	3.05	GRD	3.05	100	K290345	☐	15-125			☐	☐	☐
117.96	119.49	1.53	GRD	1.53	100	K290346	☐	15-125			☐	☐	☐
117.96	119.49	1.53	GRD	1.53	100	K290347	☐	15-125			☐	☑	☐
119.49	119.79	0.30	GRD	0.30	100	K290348	☐	15-125			☐	☐	☐
119.79	121.78	1.99	GRD	1.99	100	K290349	☐	15-125			☐	☐	☐
121.78	123.40	1.62	GRD	1.50	93	K290350	☐	15-125			☐	☐	☐
123.40	124.05	0.65	GRD	0.63	97	K290351	☐	15-125			☐	☐	☐
124.05	125.51	1.46	GRD	1.46	100	K290352	☐	15-125			☐	☐	☐
124.05	125.51	1.46	GRD	1.46	100	K290353	☐	15-125			☐	☐	☑
125.51	126.80	1.29	GRD	1.29	100	K290354	☐	15-125			☐	☐	☐

Klaza - Klaza Project

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		382857	6889917	1402.72	178.92

ZONE: Central BYG

SECTION: KL 10+350

HOLE: KL-15-283

CLAIM:

Contractor: Platinum

Drill: 2

Core Size: HQ

Casing Depth: 4.57m, In

Drilling Dates: Aug 10 - Aug 11, 2015

Geology Logged By: D. Walsh

SURVEY			
Depth (m)	Azimuth	Dip	Method
11.27	32.8	-47.2	Reflex
178.91	36.8	-48.1	Reflex

TARGET:

SUMMARY			
From (m)	To (m)	Interval (m)	Rock Type
0	2.56	2.56	CAS
2.56	8.71	6.15	GRD
8.71	31.98	23.27	GRD
31.98	60.36	28.38	GRD
60.36	73.89	13.53	GRD
73.89	81.38	7.49	QFP
81.38	90.9	9.52	GRD
90.9	95.8	4.9	GRD
95.8	151.11	55.31	GRD
151.11	157.34	6.23	GRD
157.34	178.92	21.58	GRD

SAMPLES	
Numbers:	K290355 to K290400, K290901 to K290905
Total:	51
Batch:	125, 127, 128
Certificates:	WH15123412, WH15123413, WH15123449

COMMENTS

Dropped core between 78.33-81.38m.

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
2.56	8.71	6.15	GRD	MG	Unaltered granodiorite with moderate oxidation along fracture surfaces.							
						MD	OR					
						MD	GY		OXI	3I		
						LT	OR					
8.71	21.95	13.24	GRD	MG	Silicified moderate phyllic altered granodiorite with a few sporadic patches of moderate argillic alteration and unaltered granodiorite. Interval has moderate to strong oxidation along fracture surfaces patchy pervasive moderate oxidation.							
						MD	GN		PHC	3I		
						MD	OR		OXI	3I		
						LT	GN		SIL	3I		
									OXI	4I		
21.95	25.67	3.72	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite with moderate oxidation along fracture surfaces.							
						MD	GY		OXI	3I		
						MD	OR		PRO	1I		
									PRO	2I		
									POT	1I		
									POT	2I		
25.67	31.98	6.31	GRD	MG	Silicified moderate phyllic altered granodiorite with a few sporadic patches of moderate argillic alteration Interval has moderate to strong oxidation along fracture surfaces patchy pervasive moderate oxidation.							
						MD	GN		PHC	3I		
						MD	OR		OXI	3I		
						LT	GN		SIL	3I		
									OXI	4I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
31.98	60.36	28.38	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite with weak to moderate oxidation along fracture surfaces. Minor weak phyllic envelopes around sporadic quartz/carbonate veining through out the interval.							
						MD	GY		PRO	1I		
						MD	OR		PRO	2I		
									OXI	2I		
									POT	2I		
									POT	1I		
									OXI	3I		
60.36	73.89	13.53	GRD	MG	Silicified moderate phyllic alteration with patchy weak to moderate propyllitic alteration. Hosts multiple quartz/sulphide+/-carbonate veins and patches of gouge alteration. Veining abundance increases with proximity to dyke contact.							
						MD	GY		SIL	3I		
						MD	GN		PRO	2I		
						LT	GY		PRO	3I		
						LT	GN		PHC	3I		
						DK	GN					
73.89	81.38	7.49	QFP	VF	Fracturted strongly silicified light grey quartz feldspar porphyry dyke. Turns brown proximal to dyke contacts.							
						MD	BN					
						LT	GY		SIL	4I		
81.38	83.82	2.44	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite. With moderate phyllic envelopes around minor quartz/carbonate+/-sulphide veinlet zones.							
						MD	GY		PRO	1I		
						MD	PK		POT	2I		
						DK	GN		PRO	2I		
									POT	1I		
83.82	88.75	4.93	GRD	MG	Weak to moderate phyllic alteration hosting multiple quartz/carbonate/sulphide veins/veinlets.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GN		PHC	3I		
						LT	GN		PHC	2I		
88.75	90.90	2.15	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite.							
						MD	GY		PRO	1I		
						MD	PK		POT	2I		
						DK	GN		PRO	2I		
									POT	1I		
90.90	95.80	4.90	GRD	MG	Moderate phyllic altered granodiorite with patchy weak propyllitic alteration. Hosts multiple quartz/carbonate/sulphide veins.							
						MD	GN		PRO	2I		
						LT	GN		PHC	3I		
						DK	GN					
95.80	98.64	2.84	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite.							
						MD	GY		PRO	1I		
						MD	PK		POT	2I		
						DK	GN		PRO	2I		
									POT	1I		
98.64	99.47	0.83	GRD	MG	Moderate phyllic envelope around a quartz/carbonate/sulphide vein and veinlet.							
						MD	GN					
						LT	GN	EN	PHC	3I		
99.47	101.69	2.22	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite.							
						MD	PK		POT	2I		
						MD	GY		PRO	1I		
						DK	GN		PRO	2I		
									POT	1I		
101.69	102.52	0.83	GRD	MG	Silicified moderate phyllic envelope around two quartz/carbonate/sulphide veins.							
						MD	GN	EN	PHC	3I		
						MD	GY					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	GN		SIL	3I		
102.52	122.77	20.25	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite. Minor white carbonate veining throughout.							
						MD	GY		PRO	1I		
						MD	PK		POT	2I		
						DK	GN		PRO	2I		
									POT	1I		
123.31	136.63	13.32	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite.							
						MD	PK		POT	2I		
						MD	GY		PRO	1I		
						DK	GN		PRO	2I		
									POT	1I		
136.63	137.78	1.15	GRD	MG	Silicified moderate argillic halo around a quartz/carbonate/sulphide vein. Phyllic alteration transitions to moderate argillic/potassic with patchy propyllitic alteration distally from veining. Halo is much larger above vein.							
						MD	PK		ARG	3I		
						LT	WH	EN	SIL	3I		
						LT	GN		POT	3I		
						DK	GN		PHC	3I		
									PRO	2I		
137.78	141.96	4.18	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite. Minor phyllic envelopes around carbonate veins and veinlets.							
						MD	GY		PRO	1I		
						MD	PK		POT	2I		
						DK	GN		PRO	2I		
									POT	1I		
142.18	151.11	8.93	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite.							
						MD	PK		POT	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GY		PRO	1I		
						DK	GN		PRO	2I		
									POT	1I		
151.11	157.34	6.23	GRD	MG	Silicified moderate phyllic alteration with patchy weak propyllitic alteration. Hosts multiple quartz/sulphide veins and quartz/carbonate/sulphide veinlets.							
						MD	GN		PHC	3I		
						LT	GN		SIL	3I		
						DK	GN		PRO	2I		
157.34	178.92	21.58	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite.							
						MD	GY		PRO	1I		
						MD	PK		POT	2I		
						DK	GN		PRO	2I		
									POT	1I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
2.56	8.71	6.15	GRD	MG	Unaltered granodiorite with moderate oxidation along fracture surfaces.							
						LT	OR					
						MD	OR					
						MD	GY		OXI	3I		
8.71	31.98	23.27	GRD	MG	Silicified moderate phyllic altered granodiorite with a few sporadic patches of moderate argillic alteration and unaltered granodiorite. Interval has moderate to strong oxidation along fracture surfaces patchy pervasive moderate oxidation.							
						LT	GN		SIL	3I		
									OXI	4I		
						MD	OR		OXI	3I		
						MD	GN		PHC	3I		
31.98	60.36	28.38	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite with weak to moderate oxidation along fracture surfaces. Minor weak phyllic envelopes around sporadic quartz/carbonate veining through out the interval.							
									OXI	2I		
									POT	2I		
									POT	1I		
						MD	OR		PRO	2I		
						MD	GY		PRO	1I		
									OXI	3I		
60.36	73.89	13.53	GRD	MG	Silicified moderate phyllic alteration with patchy weak to moderate propyllitic alteration. Hosts multiple quartz/sulphide+/-carbonate veins and patches of gouge alteration. Veining abundance increases with proximity to dyke contact.							
						DK	GN					
						MD	GN		PRO	2I		
						LT	GY		SIL	3I		
						MD	GY		PHC	3I		
						LT	GN		PRO	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
73.89	81.38	7.49	QFP	VF	Fractured strongly silicified light grey quartz feldspar porphyry dyke. Turns brown proximal to dyke contacts. CORE WAS DROPPED, portion of interval is missing.							
						MD	BN					
						LT	GY		SIL	4I		
81.38	90.90	9.52	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite. With moderate phyllic envelopes around minor quartz/carbonate+/-sulphide veinlet zones.							
									POT	1I		
						MD	GY		PRO	1I		
						DK	GN		PRO	2I		
						MD	PK		POT	2I		
90.90	95.80	4.90	GRD	MG	Moderate phyllic altered granodiorite with patchy weak propyllitic alteration. Hosts multiple quartz/carbonate/sulphide veins.							
						LT	GN		PHC	3I		
						MD	GN		PRO	2I		
						DK	GN					
95.80	151.11	55.31	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite. With moderate phyllic envelopes around minor quartz/carbonate+/-sulphide veins and veinlets.							
						MD	PK		POT	2I		
						DK	GN		PRO	2I		
									POT	1I		
						MD	GY		PRO	1I		
151.11	157.34	6.23	GRD	MG	Silicified moderate phyllic alteration with patchy weak propyllitic alteration. Hosts multiple quartz/sulphide veins and quartz/carbonate/sulphide veinlets.							
						LT	GN		SIL	3I		
						MD	GN		PHC	3I		
						DK	GN		PRO	2I		
157.34	178.92	21.58	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GY		PRO	1I		
						DK	GN		PRO	2I		
						MD	PK		POT	2I		
									POT	1I		

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
0.00	2.56	2.56	0	0	0.00	0	--	--	--	Drill Casing
2.56	5.18	2.62	2.6	99	2.12	81	--	5H	2W	
5.18	8.23	3.05	3.05	100	2.67	88	--	5H	1W	
8.23	11.28	3.05	3.04	100	2.83	93	--	3H	1W	
11.28	14.33	3.05	3.05	100	2.58	85	--	3H	1W	
14.33	17.37	3.04	3.04	100	2.07	68	--	3H	1W	
17.37	20.42	3.05	3.05	100	1.71	56	--	3H	1W	
20.42	23.47	3.05	3.05	100	2.48	81	--	3H	1W	
23.47	26.52	3.05	3.05	100	2.58	85	--	3H	1W	
26.52	29.57	3.05	3.05	100	2.23	73	--	3H	1W	
29.57	32.61	3.04	3	99	2.48	82	--	3H	1W	
32.61	35.66	3.05	3.05	100	2.14	70	--	4H	1W	
35.66	38.71	3.05	3.05	100	2.19	72	--	4H	1W	
38.71	41.76	3.05	2.98	98	2.11	69	--	3H	3W	
41.76	44.81	3.05	3.05	100	2.80	92	--	4H	1W	
44.81	47.85	3.04	3.04	100	2.74	90	--	4H	1W	
47.85	50.90	3.05	3.05	100	2.67	88	--	5H	1W	
50.90	53.95	3.05	3.01	99	2.73	90	--	5H	1W	
53.95	57.00	3.05	3	98	2.42	79	--	4H	1W	
57.00	60.05	3.05	3	98	2.34	77	--	4H	1W	
60.05	63.09	3.04	3.04	100	1.56	51	--	2H	1W	
63.09	66.14	3.05	3.05	100	1.84	60	--	3H	1W	
66.14	69.19	3.05	3	98	2.16	71	--	3H	1W	
69.19	72.24	3.05	3.05	100	2.13	70	--	3H	1W	
72.24	75.29	3.05	3.05	100	2.00	66	--	3H	1W	
75.29	78.33	3.04	2.76	91	1.44	47	--	3H	1W	
78.33	81.38	3.05	1.25	41	0.11	4	--	4H	1W	!!Dropped Core!!
81.38	84.43	3.05	3.05	100	1.67	55	--	3H	1W	
84.43	87.48	3.05	3.05	100	2.47	81	--	3H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
87.48	90.53	3.05	3.02	99	2.81	92	--	4H	1W	
90.53	93.57	3.04	3.04	100	2.45	81	--	4H	1W	
93.57	96.62	3.05	3.05	100	2.50	82	--	3H	1W	
96.62	99.67	3.05	3.05	100	2.68	88	--	5H	1W	
99.67	102.72	3.05	3.05	100	2.78	91	--	5H	1W	
102.72	105.77	3.05	3	98	2.46	81	--	5H	1W	
105.77	108.81	3.04	3.04	100	2.63	87	--	4H	1W	
108.81	111.86	3.05	3.02	99	2.37	78	--	5H	1W	
111.86	114.91	3.05	3.05	100	2.46	81	--	5H	1W	
114.91	117.96	3.05	3	98	2.00	66	--	4H	1W	
117.96	121.00	3.04	3.03	100	2.02	66	--	3H	1W	
121.00	124.05	3.05	3.05	100	2.01	66	--	3H	1W	
124.05	127.10	3.05	3.05	100	1.90	62	--	4H	1W	
127.10	130.15	3.05	3.01	99	2.62	86	--	5H	1W	
130.15	133.20	3.05	3.05	100	1.76	58	--	4H	1W	
133.20	136.25	3.05	3.05	100	1.85	61	--	5H	1W	
136.25	139.29	3.04	3.04	100	1.66	55	--	4H	1W	
139.29	142.34	3.05	3.05	100	1.67	55	--	4H	1W	
142.34	145.39	3.05	3.05	100	2.49	82	--	3H	1W	
145.39	148.44	3.05	3	98	2.07	68	--	4H	1W	
148.44	151.49	3.05	3.05	100	2.88	94	--	4H	1W	
151.49	154.53	3.04	3.04	100	2.22	73	--	3H	1W	
154.53	157.58	3.05	3.05	100	1.45	48	--	2H	1W	
157.58	160.63	3.05	3.05	100	1.66	54	--	3H	1W	
160.63	163.68	3.05	2.98	98	1.50	49	--	3H	1W	
163.68	166.73	3.05	3.05	100	2.15	70	--	5H	1W	
166.73	169.77	3.04	3.04	100	2.12	70	--	5H	1W	
169.77	172.82	3.05	3.02	99	2.06	68	--	5H	1W	
172.82	175.87	3.05	3.04	100	3.04	100	--	5H	1W	
175.87	178.92	3.05	3.05	100	2.63	86	--	5H	1W	

KL-15-283

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
0.00	0.00	0.00	-QC-	0.00	0	K290367	☐	15-127		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K290372	☐	15-127			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K290382	☐	15-127			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K290393	☐	15-127		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K290902	☐	15-128			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K290357	☐	15-125		KL-STD4	☐	☐	☐
81.93	82.75	0.82	GRD	0.62	76	K290355	☐	15-125			☐	☐	☐
82.75	83.17	0.42	GRD	0.42	100	K290356	☐	15-125			☐	☐	☐
83.17	83.83	0.66	GRD	0.61	92	K290358	☐	15-125			☐	☐	☐
83.83	85.01	1.18	GRD	1.14	97	K290359	☐	15-125			☐	☐	☐
85.01	85.54	0.53	GRD	0.53	100	K290360	☐	15-125			☐	☐	☐
85.54	87.60	2.06	GRD	2.06	100	K290361	☐	15-125			☐	☐	☐
87.60	88.08	0.48	GRD	0.48	100	K290362	☐	15-125			☐	☐	☐
88.08	90.02	1.94	GRD	1.89	97	K290363	☐	15-127			☐	☐	☐
90.02	90.90	0.88	GRD	0.86	98	K290364	☐	15-127			☐	☐	☐
90.90	91.55	0.65	GRD, GRD	0.65	100	K290365	☐	15-127			☐	☐	☐
91.55	92.00	0.45	GRD	0.43	96	K290366	☐	15-127			☐	☐	☐
92.00	93.04	1.04	GRD	1.04	100	K290368	☐	15-127			☐	☐	☐
93.04	93.72	0.68	GRD	0.58	85	K290369	☐	15-127			☐	☐	☐
93.72	95.28	1.56	GRD	1.51	97	K290370	☐	15-127			☐	☐	☐
95.28	95.77	0.49	GRD	0.47	96	K290371	☐	15-127			☐	☐	☐
95.77	98.46	2.69	GRD	2.63	98	K290373	☐	15-127			☐	☐	☐
98.46	98.97	0.51	GRD	0.49	96	K290374	☐	15-127			☐	☐	☐
98.97	99.34	0.37	GRD	0.37	100	K290375	☐	15-127			☐	☐	☐
99.34	101.72	2.38	GRD	2.36	99	K290376	☐	15-127			☐	☐	☐
99.34	101.72	2.38	GRD	2.36	99	K290377	☐	15-127			☐	☑	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
101.72	102.21	0.49	GRD	0.49	100	K290378	☐	15-127			☐	☐	☐
102.21	102.72	0.51	GRD	0.51	100	K290379	☐	15-127			☐	☐	☐
122.45	122.93	0.48	GRD	0.48	100	K290380	☐	15-127			☐	☐	☐
122.93	123.13	0.20	GRD	0.20	100	K290381	☐	15-127			☐	☐	☐
123.13	124.21	1.08	GRD	1.04	96	K290383	☐	15-127			☐	☐	☐
124.21	124.51	0.30	GRD	0.30	100	K290384	☐	15-127			☐	☐	☐
124.51	125.01	0.50	GRD	0.50	100	K290385	☐	15-127			☐	☐	☐
137.43	137.97	0.54	GRD	0.54	100	K290386	☐	15-127			☐	☐	☐
137.97	139.97	2.00	GRD	1.96	98	K290387	☐	15-127			☐	☐	☐
139.97	140.72	0.75	GRD	0.75	100	K290388	☐	15-127			☐	☐	☐
139.97	140.72	0.75	GRD	0.75	100	K290389	☐	15-127			☐	☐	☑
140.72	141.96	1.24	GRD	1.05	85	K290390	☐	15-127			☐	☐	☐
141.96	142.19	0.23	GRD	0.20	87	K290391	☐	15-127			☐	☐	☐
142.19	143.79	1.60	GRD	1.45	91	K290392	☐	15-127			☐	☐	☐
143.79	144.07	0.28	GRD	0.28	100	K290394	☐	15-127			☐	☐	☐
144.07	145.39	1.32	GRD	1.29	98	K290395	☐	15-127			☐	☐	☐
145.39	148.44	3.05	GRD	2.74	90	K290396	☐	15-127			☐	☐	☐
148.44	151.03	2.59	GRD	2.59	100	K290397	☐	15-127			☐	☐	☐
151.03	151.57	0.54	GRD	0.43	80	K290398	☐	15-127			☐	☐	☐
151.57	151.96	0.39	GRD	0.39	100	K290399	☐	15-128			☐	☐	☐
151.96	153.27	1.31	GRD	1.31	100	K290400	☐	15-128			☐	☐	☐
153.27	154.19	0.92	GRD	0.90	98	K290901	☐	15-128			☐	☐	☐
154.19	155.51	1.32	GRD	1.29	98	K290903	☐	15-128			☐	☐	☐
155.51	157.36	1.85	GRD	1.73	94	K290904	☐	15-128			☐	☐	☐
157.36	157.87	0.51	GRD	0.50	98	K290905	☐	15-128			☐	☐	☐

Klaza - Klaza Project

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		382856	6889916	1402.75	93.57

ZONE: Central BYG

SECTION: KL 10+350

HOLE: KL-15-284

CLAIM:

Contractor: Platinum

Drill: 2

Core Size: HQ

Casing Depth: 4.57m, Out

Drilling Dates: Aug 11 - Aug 12, 2015

Geology Logged By: D. Walsh

SURVEY			
Depth (m)	Azimuth	Dip	Method
17.37	33.7	-49.9	Reflex
93.57	35.8	-50.3	Reflex

TARGET:

SUMMARY			
From (m)	To (m)	Interval (m)	Rock Type
0	2.7	2.7	CAS
2.7	10.55	7.85	GRD
10.55	33.34	22.79	GRD
33.34	62.45	29.11	GRD
62.45	73.39	10.94	GRD
73.39	78.45	5.06	QFP
78.45	85.41	6.96	GRD
85.41	93.57	8.16	GRD

SAMPLES	
Numbers:	K290906 to K290967
Total:	62
Batch:	128, 129
Certificates:	WH15123449, WH15123452

COMMENTS
~1ft step back of KL-15-283 due to dropped core.

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
2.70	10.55	7.85	GRD	MG	Unaltered granodiorite with moderate oxidation along fractured surfaces.							
						MD	OR					
						MD	GY		OXI	3I		
10.55	18.60	8.05	GRD	MG	Silicified moderate phyllic altered granodiorite with a few sporadic patches of moderate argillic alteration. Interval has moderate to strong oxidation along fracture surfaces patchy pervasive moderate oxidation.							
						MD	OR	PA	PHC	3I		
						MD	GN		SIL	3I		
						LT	OR		OXI	3I		
						LT	GN		OXI	4I		
						LT	WH		ARG	3I		
18.60	20.28	1.68	GRD	MG	Zone of strongly silicified phyllic alteration hosts disseminated to blebby black tourmaline. Interval has moderate to strong oxidation along fracture surfaces patchy pervasive moderate oxidation.							
						MD	OR		PHC	3I		
						LT	GN		SIL	4I	To	1
									OXI	3I		
									OXI	4I		
20.28	24.81	4.53	GRD	MG	Silicified moderate phyllic altered granodiorite with a few sporadic patches of moderate argillic alteration. Interval has moderate to strong oxidation along fracture surfaces patchy pervasive moderate oxidation.							
						MD	GN		SIL	3I		
						MD	OR		PHC	3I		
						LT	OR		OXI	3I		
						LT	GN		OXI	4I		
						LT	WH		ARG	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
24.81	27.50	2.69	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite with small patches of oxidized argillic alteration. Moderate oxidation along fracture surfaces.							
						MD	GY		OXI	3I		
						MD	OR		PRO	1I		
									POT	2I		
									POT	1I		
									PRO	2I		
27.50	29.34	1.84	GRD	MG	Silicified moderate phyllic altered granodiorite with a few sporadic patches of moderate argillic alteration Interval has moderate to strong oxidation along fracture surfaces patchy pervasive moderate oxidation.							
						MD	GN		SIL	3I		
						MD	OR		PHC	3I		
						LT	OR		OXI	3I		
						LT	GN		OXI	4I		
						LT	WH		ARG	3I		
29.34	30.73	1.39	GRD	MG	Zone of strongly silicified phyllic alteration hosts disseminated to blebby black tourmaline. Interval has moderate to strong oxidation along fracture surfaces patchy pervasive moderate oxidation.							
						MD	OR		PHC	3I		
						LT	GN		SIL	4I	To	1
									OXI	4I		
									OXI	3I		
30.73	33.34	2.61	GRD	MG	Silicified moderate phyllic altered granodiorite. Interval has moderate to strong oxidation along fracture surfaces patchy pervasive moderate oxidation.							
						MD	GN		SIL	3I		
						MD	OR		PHC	3I		
						LT	GN		OXI	4I		
						LT	OR		OXI	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
33.34	57.10	23.76	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite with weak to moderate oxidation along fracture surfaces. Minor weak phyllic envelopes around sporadic quartz/carbonate veining through out the interval. Oxidation intensity decreases with depth.							
						MD	GY		PRO	1I		
						MD	OR		PRO	2I		
									OXI	3I		
									POT	1I		
									POT	2I		
									OXI	2I		
57.10	60.56	3.46	GRD	MG	Silicified moderate propyllitic altered granodiorite with patchy weak to moderate phyllic alteration around quartz carbonate veining in the center of the interval.							
						MD	GY	PA	SIL	3I		
						MD	GN		PHC	3I		
						DK	GN		SIL	4I		
									PHC	2I		
									PRO	3I		
60.56	62.45	1.89	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite.							
						MD	GY		PRO	1I		
						DK	GN		PRO	2I		
									POT	1I		
									POT	2I		
62.45	66.13	3.68	GRD	MG	Silicified moderate phyllic altered granodiorite with patchy weak propyllitic alteration. Hosts multiple quartz/carbonate/sulphide veins. Has a patch of unaltered granodiorite in the center of the interval.							
						MD	GN		PHC	3I		
						LT	GN		SIL	3I		
						DK	GN		PRO	2I		
66.13	67.97	1.84	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite.							
						MD	GY		PRO	1I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	PK		PRO	2I		
						DK	GN		POT	1I		
									POT	2I		
67.97	73.39	5.42	GRD	MG	Silicified moderate phyllic altered granodiorite with patchy weak propyllitic alteration. Hosts multiple quartz/carbonate/sulphide veins. Has a patch of unaltered granodiorite in the center of the interval.							
						MD	GN		PHC	3I		
						LT	GN		SIL	3I		
						DK	GN		PRO	2I		
73.39	78.45	5.06	QFP	VF	Fractured silicified grey and patchy red quartz feldspar porphyry dyke. Dyke is red/brown proximal to contact with granodiorite.							
						MD	GY	FR	SIL	4I		
						MD	RD					
						MD	BN					
78.45	85.41	6.96	GRD	MG	Silicified moderate phyllic altered granodiorite with patchy weak propyllitic alteration. Hosts few gouge zones and quartz/carbonate/sulphide veins							
						MD	GN		PHC	3I		
						LT	GN		SIL	3I		
						LT	GY					
						DK	GN		PRO	2I		
85.41	86.02	0.61	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite. With moderate phyllic envelopes around minor quartz/carbonate+/-sulphide veins and veinlets.							
						MD	GY		PRO	1I		
						MD	PK		POT	1I		
						DK	GN		PRO	2I		
									POT	2I		
86.02	86.78	0.76	GRD	MG	Moderate phyllic envelope around a quartz/carbonate vein.							
						MD	GN	EN	PHC	3I		
						LT	GN					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
86.78	90.53	3.75	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite. With moderate phyllic envelopes around a few quartz veins.							
						MD	GY		PRO	1I		
						MD	PK		POT	1I		
						DK	GN		PRO	2I		
									POT	2I		
90.53	93.57	3.04	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite. With moderate phyllic envelopes around multiple quartz/carbonate+/-sulphide veins and veinlets.							
						MD	GY		PRO	1I		
						MD	PK		POT	1I		
						LT	GN		POT	2I		
						DK	GN		PRO	2I		
									PHC	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
2.70	10.55	7.85	GRD	MG	Unaltered granodiorite with moderate oxidation along fractured surfaces.							
						MD	OR					
						MD	GY		OXI	3I		
10.55	33.34	22.79	GRD	MG	Silicified moderate phyllic altered granodiorite with a few sporadic patches of moderate argillic alteration and unaltered granodiorite. Zone of strongly silicified phyllic alteration hosts disseminated to blebby black tourmaline. Interval has moderate to strong oxidation along fracture surfaces patchy pervasive moderate oxidation.							
						MD	OR	PA	PHC	3I		
						LT	OR		OXI	3I		
						LT	GN		OXI	4I		
						MD	GN		SIL	3I		
						LT	WH		ARG	3I		
									SIL	4I		
33.34	62.45	29.11	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite with weak to moderate oxidation along fracture surfaces. Minor weak phyllic envelopes around sporadic quartz/carbonate veining through out the interval. Oxidation intensity decreases with depth.							
									OXI	3I		
						MD	GY		PRO	1I		
						MD	OR		PRO	2I		
									POT	1I		
									POT	2I		
									OXI	2I		
62.45	73.39	10.94	GRD	MG	Silicified moderate phyllic altered granodiorite with patchy weak propyllitic alteration. Hosts multiple quartz/carbonate/sulphide veins. Has a patch of unaltered granodiorite in the center of the interval.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GN		PHC	3I		
						DK	GN		PRO	2I		
						LT	GN		SIL	3I		
73.39	78.45	5.06	QFP	VF	Fractured silicified grey and patchy red quartz feldspar porphyry dyke. Dyke is red/brown proximal to contact with granodiorite.							
						MD	GY	FR	SIL	4I		
						MD	BN					
						MD	RD					
78.45	85.41	6.96	GRD	MG	Silicified moderate phyllic altered granodiorite with patchy weak propyllitic alteration. Hosts few gouge zones and quartz/carbonate/sulphide veins							
						LT	GN		SIL	3I		
						MD	GN		PHC	3I		
						DK	GN		PRO	2I		
						LT	GY					
85.41	93.57	8.16	GRD	MG	Trace to weak propyllitic/potassic altered granodiorite. With moderate phyllic envelopes around minor quartz/carbonate+/-sulphide veins and veinlets.							
									POT	2I		
						MD	GY		PRO	1I		
						MD	PK		POT	1I		
						DK	GN		PRO	2I		

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
0.00	2.70	2.70	0	0	0.00	0	--	--	--	Drill Casing
2.70	5.18	2.48	2.48	100	1.51	61	--	5H	2W	
5.18	8.23	3.05	3.05	100	2.83	93	--	5H	1W	
8.23	11.28	3.05	3.05	100	1.85	61	--	5H	1W	
11.28	14.33	3.05	3.05	100	2.57	84	--	3H	2W	
14.33	17.37	3.04	3.04	100	2.40	79	--	3H	2W	
17.37	20.42	3.05	3.05	100	1.65	54	--	3H	2W	
20.42	23.47	3.05	3.05	100	0.82	27	--	3H	2W	
23.47	26.52	3.05	3.05	100	2.62	86	--	3H	2W	
26.52	29.57	3.05	3.05	100	1.56	51	--	3H	2W	
29.57	32.61	3.04	3.04	100	2.33	77	--	4H	2W	
32.61	35.66	3.05	3.05	100	2.66	87	--	4H	2W	
35.66	38.71	3.05	3	98	2.20	72	--	4H	2W	
38.71	41.76	3.05	3.05	100	2.66	87	--	4H	1W	
41.76	44.81	3.05	2.98	98	0.96	31	--	4H	1W	
44.81	47.85	3.04	3.04	100	0.94	31	--	4H	1W	
47.85	50.90	3.05	3.05	100	2.29	75	--	4H	1W	
50.90	53.95	3.05	3	98	2.40	79	--	5H	1W	
53.95	57.00	3.05	3.05	100	1.72	56	--	5H	1W	
57.00	60.05	3.05	3.05	100	1.59	52	--	3H	1W	
60.05	63.09	3.04	3.04	100	1.33	44	--	4H	1W	
63.09	66.14	3.05	3.05	100	2.01	66	--	4H	1W	
66.14	69.19	3.05	3.05	100	2.66	87	--	4H	1W	
69.19	72.24	3.05	3.02	99	2.44	80	--	3H	1W	
72.24	75.29	3.05	3.05	100	1.80	59	--	3H	1W	
75.29	78.33	3.04	3.04	100	0.45	15	--	3H	1W	
78.33	81.38	3.05	3.05	100	0.26	9	--	2H	1W	pervasive gouge
81.38	84.43	3.05	3.05	100	1.13	37	--	3H	1W	
84.43	87.48	3.05	3.05	100	2.39	78	--	3H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
87.48	90.53	3.05	3.05	100	2.12	70	--	4H	1W	
90.53	93.57	3.04	3.04	100	2.55	84	--	4H	1W	

KL-15-284

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
0.00	0.00	0.00	-QC-	0.00	0	K290923	☐	15-128			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K290928	☐	15-128		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K290945	☐	15-129			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K290950	☐	15-129		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K290954	☐	15-129			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K290964	☐	15-129		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K290913	☐	15-128		KL-STD4	☐	☐	☐
10.55	11.92	1.37	GRD, GRD	1.37	100	K290906	☐	15-128			☐	☐	☐
11.92	14.33	2.41	GRD	2.32	96	K290907	☐	15-128			☐	☐	☐
14.33	14.81	0.48	GRD	0.48	100	K290908	☐	15-128			☐	☐	☐
14.33	14.81	0.48	GRD	0.48	100	K290909	☐	15-128			☐	☑	☐
14.81	15.14	0.33	GRD	0.32	97	K290910	☐	15-128			☐	☐	☐
15.14	16.02	0.88	GRD	0.88	100	K290911	☐	15-128			☐	☐	☐
16.02	17.82	1.80	GRD	1.80	100	K290912	☐	15-128			☐	☐	☐
17.82	18.60	0.78	GRD	0.78	100	K290914	☐	15-128			☐	☐	☐
18.60	20.28	1.68	GRD	1.68	100	K290915	☐	15-128			☐	☐	☐
20.28	21.36	1.08	GRD	0.95	88	K290916	☐	15-128			☐	☐	☐
21.36	23.46	2.10	GRD	2.02	96	K290917	☐	15-128			☐	☐	☐
21.36	23.46	2.10	GRD	2.02	96	K290918	☐	15-128			☐	☐	☑
23.46	24.81	1.35	GRD	1.35	100	K290919	☐	15-128			☐	☐	☐
24.81	27.50	2.69	GRD	2.69	100	K290920	☐	15-128			☐	☐	☐
27.50	29.34	1.84	GRD	1.84	100	K290921	☐	15-128			☐	☐	☐
29.34	30.73	1.39	GRD	1.35	97	K290922	☐	15-128			☐	☐	☐
30.73	31.58	0.85	GRD	0.85	100	K290924	☐	15-128			☐	☐	☐
31.58	32.35	0.77	GRD	0.77	100	K290925	☐	15-128			☐	☐	☐
32.35	33.37	1.02	GRD	1.02	100	K290926	☐	15-128			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
57.10	58.24	1.14	GRD	1.12	98	K290927	☐	15-128			☐	☐	☐
58.24	58.90	0.66	GRD	0.66	100	K290929	☐	15-128			☐	☐	☐
58.90	59.73	0.83	GRD	0.83	100	K290930	☐	15-128			☐	☐	☐
59.73	60.56	0.83	GRD	0.83	100	K290931	☐	15-128			☐	☐	☐
60.56	62.49	1.93	GRD	1.93	100	K290932	☐	15-128			☐	☐	☐
62.49	63.53	1.04	GRD	1.04	100	K290933	☐	15-128			☐	☐	☐
63.53	63.84	0.31	GRD	0.31	100	K290934	☐	15-128			☐	☐	☐
63.84	65.45	1.61	GRD	1.61	100	K290935	☐	15-129			☐	☐	☐
65.45	66.13	0.68	GRD	0.57	84	K290936	☐	15-129			☐	☐	☐
66.13	67.97	1.84	GRD	1.84	100	K290937	☐	15-129			☐	☐	☐
67.97	68.92	0.95	GRD	0.93	98	K290938	☐	15-129			☐	☐	☐
68.92	69.24	0.32	GRD	0.30	94	K290939	☐	15-129			☐	☐	☐
69.24	70.08	0.84	GRD	0.79	94	K290940	☐	15-129			☐	☐	☐
69.24	70.08	0.84	GRD	0.79	94	K290941	☐	15-129			☐	☑	☐
70.08	70.44	0.36	GRD	0.36	100	K290942	☐	15-129			☐	☐	☐
70.44	71.71	1.27	GRD	1.27	100	K290943	☐	15-129			☐	☐	☐
71.71	72.39	0.68	GRD	0.68	100	K290944	☐	15-129			☐	☐	☐
72.39	75.29	2.90	GRD	2.90	100	K290946	☐	15-129			☐	☐	☐
75.29	77.74	2.45	QFP	2.45	100	K290947	☐	15-129			☐	☐	☐
77.74	78.45	0.71	QFP	0.71	100	K290948	☐	15-129			☐	☐	☐
78.45	79.38	0.93	GRD, QFP	0.91	98	K290949	☐	15-129			☐	☐	☐
79.38	81.00	1.62	GRD	1.62	100	K290951	☐	15-129			☐	☐	☐
81.00	81.84	0.84	GRD	0.84	100	K290952	☐	15-129			☐	☐	☐
81.84	82.33	0.49	GRD	0.49	100	K290953	☐	15-129			☐	☐	☐
82.33	84.55	2.22	GRD	2.18	98	K290955	☐	15-129			☐	☐	☐
84.55	84.90	0.35	GRD	0.35	100	K290956	☐	15-129			☐	☐	☐
84.90	86.02	1.12	GRD	1.12	100	K290957	☐	15-129			☐	☐	☐
86.02	87.47	1.45	GRD	0.72	50	K290958	☐	15-129			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
87.47	89.60	2.13	GRD	2.09	98	K290959	☐	15-129			☐	☐	☐
89.60	90.53	0.93	GRD	0.93	100	K290960	☐	15-129			☐	☐	☐
89.60	90.53	0.93	GRD	0.93	100	K290961	☐	15-129			☐	☐	☑
90.53	91.66	1.13	GRD	1.11	98	K290962	☐	15-129			☐	☐	☐
91.66	91.96	0.30	GRD	0.30	100	K290963	☐	15-129			☐	☐	☐
91.96	92.70	0.74	GRD	0.71	96	K290965	☐	15-129			☐	☐	☐
92.70	93.08	0.38	GRD	0.38	100	K290966	☐	15-129			☐	☐	☐
93.08	93.57	0.49	GRD	0.49	100	K290967	☐	15-129			☐	☐	☐

Klaza - Klaza Project

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		382658	6889988	1401.1	175.87

ZONE: Central BYG

SECTION:

HOLE: KL-15-285

CLAIM:

Contractor: Platinum

Drill: 2

Core Size: HQ

Casing Depth: 4.57m, In

Drilling Dates: Aug 12 - Aug 13, 2015

Geology Logged By: D. Walsh

SURVEY			
Depth (m)	Azimuth	Dip	Method
8.22	42.1	-49.1	Reflex
175.86	38	-49.2	Reflex

TARGET:

SUMMARY			
From (m)	To (m)	Interval (m)	Rock Type
0	3.68	3.68	CAS
3.68	34.61	30.93	GRD
34.61	36.15	1.54	GRD
36.15	61.58	25.43	QFP
61.58	73.31	11.73	GRD
73.31	76.03	2.72	GRD
76.03	79.08	3.05	GRD
79.08	86.07	6.99	QFP
86.07	88.1	2.03	GRD
88.1	92.07	3.97	GRD
92.07	102.92	10.85	GRD
102.92	115.05	12.13	GRD
115.05	117.89	2.84	QFP
117.89	122.64	4.75	GRD
122.64	124.15	1.51	GRD
124.15	136.28	12.13	GRD

SAMPLES	
Numbers:	K290968 to K291039, R499454 to R499458
Total:	77
Batch:	129, 131, 132, 140
Certificates:	WH15123452, WH15124776, WH15124777, WH15127601, WH15127604, WH15134534

COMMENTS

136.28	147.31	11.03	GRD
147.31	159	11.69	GRD
159	160.91	1.91	GRD
160.91	163.8	2.89	GRD
163.8	175.87	12.07	GRD

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
3.68	13.89	10.21	GRD	MG	Unaltered granodiorite with occasional small patches of argillic alteration throughout. Moderate oxidation along fracture surfaces.							
						MD	OR					
						MD	GY		OXI	3I		
13.89	15.07	1.18	GRD	MG	Patchy moderate phyllic and argillic/potassic/propyllitic. Hosts a few quartz/sulphide veinlets.							
						MD	GN	PA	ARG	3I		
						MD	PK		PRO	3I		
						LT	WH		POT	3I		
						DK	GN		PHC	3I		
15.07	34.61	19.54	GRD	MG	Unaltered granodiorite with occasional small patches of argillic alteration throughout. Moderate oxidation along fracture surfaces.							
						MD	GY		OXI	3I		
						MD	OR					
34.61	36.15	1.54	GRD	MG	Moderate argillic and weak potassic/propyllitic altered granodiorite.							
						MD	PK		PRO	2I		
						LT	WH		ARG	3I		
						DK	GN		POT	2I		
36.15	61.58	25.43	QFP	FG	Medium grey/green quartz feldspar porphyry dyke.							
						MD	GY	PO				
						MD	GN					
61.58	63.20	1.62	GRD	MG	Trace to weak potassic/propyllitic altered granodiorite.							
						MD	GY		PRO	1I		
									PRO	2I		
									POT	1I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
									POT	2I		
63.20	63.83	0.63	GRD	MG	Silicified weak phyllic envelope hosts a carbonate/pyrite/magnetite vein.							
						MD	GY		SIL	3I		
						MD	GN					
						LT	GN	EN	PHC	2I		
63.83	73.31	9.48	GRD	MG	Trace to weak potassic/propyllitic altered granodiorite.							
						MD	GY		PRO	1I		
									PRO	2I		
									POT	2I		
									POT	1I		
73.31	76.03	2.72	GRD	MG	Moderate phyllic envelope around a polymetallic quartz/carbonate/sulphide breccia. Phyllic alteration transitions to argillic/potassic/propyllitic and potassic/propyllitic alteration distally from breccia.							
						MD	GN		ARG	3I		
						MD	PK					
						LT	GN		PHC	3I		
						LT	WH		PRO	2I		
						DK	GN		POT	2I		
76.03	79.08	3.05	GRD	MG	Trace to weak potassic/propyllitic altered granodiorite.							
						MD	GY		PRO	1I		
									POT	2I		
									PRO	2I		
									POT	1I		
79.08	86.07	6.99	QFP	FG	Silicified grey/brown quartz feldspar porphyry dyke.							
						MD	GY	PO	SIL	4I		
						MD	BN					
86.07	88.10	2.03	GRD	MG	Silicified patchy moderate argillic/potassic and potassic/propyllitic altered granodiorite. Contact breccia at dyke contact.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	PK		POT	3I		
						LT	WH		ARG	3I		
						DK	GN		PRO	3I		
88.10	92.07	3.97	GRD	MG	Weak to moderate potassic/propyllitic altered granodiorite with patchy moderate argillic alteration.							
						MD	PK		PRO	3I		
						MD	GY		POT	2I		
						DK	GN		PRO	2I	Py	1
									POT	3I		
									ARG	3I		
92.07	102.92	10.85	GRD	MG	Mineralized fault(?) zone. Silicified moderate phyllic/propyllitic with large moderate to intense patches of gouge alteration. Much of the gouge alteration hosts disseminated pyrite along with a few quartz/sulphide veins. Interval is rubbly. Patchy trace sericite alteration throughout.							
						MD	GN		PRO	3I		
						MD	GY		PHC	3I		
						LT	GN	RB	SIL	3I	Py	1
						LT	GY		SER	1I		
102.92	115.05	12.13	GRD	MG	Weak to moderate propyllitic and weak phyllic altered granodiorite with large patches of strong gouge alteration.							
						MD	GY		PRO	2I		
						MD	GN		PHC	2I		
						LT	GY					
						DK	GN		PRO	3I		
115.05	117.89	2.84	QFP	VF	Gouge altered silicified orange/grey quartz feldspar porphyry dyke. Sporadic rubbly patches.							
						MD	OR	RB	SIL	4I		
						MD	GY					
117.89	122.64	4.75	GRD	MG	Silicified moderate phyllic and weak propyllitic altered granodiorite with patchy moderate to strong gouge alteration. Occasional rubbly patches.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GY		PHC	3I		
						MD	GN					
						LT	GY	RB	SIL	3I		
						LT	GN		PRO	2I		
						DK	GN					
122.64	124.15	1.51	GRD	MG	Faulted(?) mineralized Central BYG vein zone. Strongly gouge altered, silicified strong phyllic altered granodiorite hosting ~3 polymetallic quartz/carbonate/sulphide with disseminated to blebby pyrite in the granodiorite between them. Silicification and gouge alteration obscures rock texture.							
						MD	GN		PHC	4I		
						MD	GY		SIL	4I		
						LT	GN		PHC	3I	Py	1
						LT	GY					
124.15	136.28	12.13	GRD	MG	Silicified moderate phyllic/propyllitic altered granodiorite with the occasional patches of argillic/potassic alteration. Hosts multiple quartz/carbonate/sulphide veins.							
						MD	GY		PRO	3I		
						MD	GN		PHC	3I		
						LT	GN					
						LT	GY		SIL	3I		
						DK	GN					
136.28	147.31	11.03	GRD	MG	Trace to weak potassic/propyllitic altered granodiorite with patchy moderate propyllitic alteration.							
						MD	GY		PRO	1I		
						DK	GN		PRO	2I		
									PRO	3I		
									POT	1I		
									POT	2I		
147.31	159.00	11.69	GRD	MG	Moderate phyllic/propyllitic with patch argillic/potassic alteration. Occasional quartz/carbonate/sulphide veining.							
						MD	PK					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GN		PRO	3I		
						LT	GN		PHC	3I		
						LT	WH		POT	3I		
						DK	GN		ARG	3I		
159.00	160.91	1.91	GRD	MG	Moderate argillic/potassic and weak propyllitic altered granodiorite. Rubbly in patches.							
						MD	PK		POT	3I		
						LT	WH	RB	ARG	3I		
						DK	GN		PRO	2I		
160.91	163.80	2.89	GRD	MG	Strongly gouge altered and rubbly fault zone(?) consisting what appears to be primarily moderate propyllitic/potassic altered granodiorite. Gouge obscures rock texture.							
						MD	GN		POT	3I		
						MD	PK					
						LT	GY	RB	PRO	3I		
						DK	GN					
163.80	175.87	12.07	GRD	MG	Trace to weak potassic/propyllitic altered granodiorite with small propyllitic/phyllic halos around milky white quartz veining.							
						MD	GY		PRO	1I		
						MD	PK		POT	1I		
						DK	GN		PRO	2I		
									POT	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
3.68	34.61	30.93	GRD	MG	Unaltered granodiorite with occasional small patches of argillic alteration throughout. Moderate oxidation along fracture surfaces.							
						MD	GY		OXI	3I		
						MD	OR					
34.61	36.15	1.54	GRD	MG	Moderate argillic and weak potassic/propyllitic altered granodiorite.							
						LT	WH		ARG	3I		
						MD	PK		PRO	2I		
						DK	GN		POT	2I		
36.15	61.58	25.43	QFP	FG	Medium grey/green quartz feldspar porphyry dyke.							
						MD	GN					
						MD	GY	PO				
61.58	73.31	11.73	GRD	MG	Trace to weak potassic/propyllitic altered granodiorite.							
									POT	1I		
									POT	2I		
									PRO	2I		
						MD	GY		PRO	1I		
73.31	76.03	2.72	GRD	MG	Moderate phyllic envelope around a polymetallic quartz/carbonate/sulphide breccia. Phyllic alteration transitions to argillic/potassic/propyllitic and potassic/propyllitic alteration distally from breccia.							
						LT	GN		PHC	3I		
						MD	GN		ARG	3I		
						DK	GN		POT	2I		
						LT	WH		PRO	2I		
						MD	PK					
76.03	79.08	3.05	GRD	MG	Trace to weak potassic/propyllitic altered granodiorite. Conact brecciat at dyke contact.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
									POT	2I		
						MD	GY		PRO	1I		
									PRO	2I		
									POT	1I		
79.08	86.07	6.99	QFP	FG	Silicified grey/brown quartz feldspar porphyry dyke.							
						MD	BN					
						MD	GY	PO	SIL	4I		
86.07	88.10	2.03	GRD	MG	Silicified patchy moderate argillic/potassic and potassic/propyllitic altered granodiorite. Contact breccia at dyke contact.							
						LT	WH		ARG	3I		
						MD	PK		POT	3I		
						DK	GN		PRO	3I		
88.10	92.07	3.97	GRD	MG	Weak to moderate potassic/propyllitic altered granodiorite with patchy moderate argillic alteration.							
									ARG	3I		
						DK	GN		PRO	2I	Py	1
						MD	PK		PRO	3I		
						MD	GY		POT	2I		
									POT	3I		
92.07	102.92	10.85	GRD	MG	Mineralized fault(?) zone. Silicified moderate phyllic/propyllitic with large moderate to intense patches of gouge alteration. Much of the gouge alteration hosts disseminated pyrite along with a few quartz/sulphide veins. Interval is rubbly. Patchy trace sericite alteration throughout.							
						LT	GN	RB	SIL	3I	Py	1
						MD	GY		PHC	3I		
						LT	GY		SER	1I		
						MD	GN		PRO	3I		
102.92	115.05	12.13	GRD	MG	Weak to moderate propyllitic and weak phyllic altered granodiorite with large patches of strong gouge alteration.							
						DK	GN		PRO	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GY		PRO	2I		
						LT	GY					
						MD	GN		PHC	2I		
115.05	117.89	2.84	QFP	VF	Gouge altered silicified orange/grey quartz feldspar porphyry dyke. Sporadic rubbly patches.							
						MD	OR	RB	SIL	4I		
						MD	GY					
117.89	122.64	4.75	GRD	MG	Silicified moderate phyllic and weak propyllitic altered granodiorite with patchy moderate to strong gouge alteration. Occasional rubbly patches.							
						DK	GN					
						LT	GY	RB	SIL	3I		
						MD	GY		PHC	3I		
						LT	GN		PRO	2I		
						MD	GN					
122.64	124.15	1.51	GRD	MG	Faulted(?) mineralized Central BYG vein zone. Strongly gouge altered, silicified strong phyllic altered granodiorite hosting ~3 polymetallic quartz/carbonate/sulphide with disseminated to blebby pyrite in the granodiorite between them. Silicification and gouge alteration obscures rock texture.							
						MD	GN		PHC	4I		
						MD	GY		SIL	4I		
						LT	GY					
						LT	GN		PHC	3I	Py	1
124.15	136.28	12.13	GRD	MG	Silicified moderate phyllic/propyllitic altered granodiorite with the occasional patches of argillic/potassic alteration. Hosts multiple quartz/carbonate/sulphide veins.							
						LT	GY		SIL	3I		
						LT	GN					
						DK	GN					
						MD	GN		PHC	3I		
						MD	GY		PRO	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
136.28	147.31	11.03	GRD	MG	Trace to weak potassic/propyllitic altered granodiorite with patchy moderate propyllitic alteration.							
									POT	2I		
									POT	1I		
									PRO	3I		
						DK	GN		PRO	2I		
						MD	GY		PRO	1I		
147.31	159.00	11.69	GRD	MG	Moderate phyllic/propyllitic with patch argillic/potassic alteration. Hosts occasional quartz/carbonate/sulphide veining and alarge zone of gouge alteration.							
						LT	WH		POT	3I		
						MD	PK					
						MD	GN		PRO	3I		
						DK	GN		ARG	3I		
						LT	GN		PHC	3I		
159.00	160.91	1.91	GRD	MG	Moderate argillic/potassic and weak propyllitic altered granodiorite. Rubbly in patches.							
						LT	WH	RB	ARG	3I		
						DK	GN		PRO	2I		
						MD	PK		POT	3I		
160.91	163.80	2.89	GRD	MG	Strongly gouge altered and rubbly fault zone(?) consisting what appears to be primarily moderate propyllitic/potassic altered granodiorite. Gouge obscures rock texture.							
						MD	PK					
						DK	GN					
						MD	GN		POT	3I		
						LT	GY	RB	PRO	3I		
163.80	175.87	12.07	GRD	MG	Trace to weak potassic/propyllitic altered granodiorite with small propyllitic/phyllic halos around milky white quartz veining.							
									POT	2I		
						MD	PK		POT	1I		
						DK	GN		PRO	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GY		PRO	1I		

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
0.00	3.68	3.68	0	0	0.00	0	--	--	--	
3.68	5.18	1.50	1.5	100	0.78	52	--	3H	3W	
5.18	8.23	3.05	2.9	95	2.19	72	--	2H	2W	
8.23	11.28	3.05	3.03	99	2.70	89	--	4H	1W	
11.28	14.33	3.05	3.05	100	2.54	83	--	3H	1W	
14.33	17.37	3.04	3.04	100	2.20	72	--	3H	1W	
17.37	20.42	3.05	3.05	100	2.46	81	--	4H	1W	
20.42	23.47	3.05	3.02	99	2.50	82	--	3H	1W	
23.47	26.52	3.05	2.98	98	2.90	95	--	4H	1W	
26.52	29.57	3.05	3.05	100	1.74	57	--	4H	1W	
29.57	32.61	3.04	3.04	100	2.34	77	--	3H	1W	
32.61	35.66	3.05	3.03	99	2.10	69	--	3H	1W	
35.66	38.71	3.05	3.05	100	0.14	5	--	3H	1W	
38.71	41.76	3.05	3.02	99	1.97	65	--	3H	1W	
41.76	44.81	3.05	3.05	100	2.41	79	--	3H	1W	
44.81	47.85	3.04	3.04	100	2.69	88	--	3H	1W	
47.85	50.90	3.05	3.05	100	2.27	74	--	3H	1W	
50.90	53.95	3.05	3.01	99	2.15	70	--	3H	1W	
53.95	57.00	3.05	3.05	100	1.80	59	--	3H	1W	
57.00	60.05	3.05	3.05	100	1.56	51	--	3H	1W	
60.05	63.09	3.04	3.04	100	2.51	83	--	3H	1W	
63.09	66.14	3.05	3.05	100	2.40	79	--	4H	1W	
66.14	69.19	3.05	2.81	92	1.79	59	--	4H	1W	
69.19	72.24	3.05	3.05	100	2.22	73	--	4H	1W	
72.24	75.29	3.05	3.04	100	2.24	73	--	3H	1W	
75.29	78.33	3.04	3.04	100	2.24	74	--	3H	1W	
78.33	81.38	3.05	2.86	94	0.73	24	--	2H	1W	
81.38	84.43	3.05	2.99	98	1.68	55	--	3H	1W	
84.43	87.48	3.05	3.03	99	1.93	63	--	3H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
87.48	90.53	3.05	3.05	100	2.55	84	--	4H	1W	
90.53	93.57	3.04	3.04	100	2.88	95	--	3H	1W	
93.57	96.62	3.05	3.05	100	1.57	51	--	3H	1W	
96.62	99.67	3.05	3.05	100	0.47	15	--	3H	1W	
99.67	102.72	3.05	3.05	100	1.44	47	--	3H	1W	
102.72	105.77	3.05	3.05	100	1.23	40	--	3H	1W	
105.77	108.81	3.04	3.04	100	2.31	76	--	3H	1W	
108.81	111.86	3.05	3.05	100	2.49	82	--	3H	1W	
111.86	114.91	3.05	3.05	100	2.25	74	--	3H	1W	
114.91	117.96	3.05	3	98	2.49	82	--	3H	1W	
117.96	121.01	3.05	3.05	100	1.72	56	--	3H	1W	
121.01	124.05	3.04	3	99	1.47	48	--	3H	1W	
124.05	127.10	3.05	3.05	100	2.52	83	--	3H	1W	
127.10	130.15	3.05	3.05	100	0.89	29	--	4H	1W	
130.15	133.20	3.05	3.05	100	1.75	57	--	3H	1W	
133.20	136.25	3.05	3.05	100	1.61	53	--	3H	1W	
136.25	139.29	3.04	3.04	100	1.75	58	--	4H	1W	
139.29	142.34	3.05	3.05	100	2.70	89	--	4H	1W	
142.34	145.39	3.05	3.05	100	1.85	61	--	4H	1W	
145.39	148.44	3.05	3.05	100	2.29	75	--	3H	1W	
148.44	151.49	3.05	3.05	100	0.48	16	--	3H	1W	
151.49	154.53	3.04	3.04	100	2.19	72	--	4H	1W	
154.53	157.58	3.05	3.05	100	2.12	70	--	3H	1W	
157.58	160.63	3.05	3.05	100	1.88	62	--	3H	1W	
160.63	163.68	3.05	3.05	100	0.35	11	--	3H	1W	
163.68	166.73	3.05	3.05	100	0.90	30	--	3H	1W	
166.73	169.77	3.04	3.04	100	1.76	58	--	4H	1W	
169.77	172.82	3.05	3.05	100	2.19	72	--	4H	1W	
172.82	175.87	3.05	3.05	100	1.86	61	--	4H	1W	

KL-15-285

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
0.00	0.00	0.00	-QC-	0.00	0	R499458	☐	15-140			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K290979	☐	15-131		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K290989	☐	15-131			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K290994	☐	15-131		KL-STD6	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K291016	☐	15-132			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K291022	☐	15-132		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K291028	☐	15-132			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K291036	☐	15-132		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K290974	☐	15-131			☑	☐	☐
73.00	73.58	0.58	GRD	0.58	100	K290968	☐	15-129			☐	☐	☐
73.58	73.93	0.35	GRD	0.35	100	K290969	☐	15-129			☐	☐	☐
73.93	74.68	0.75	GRD	0.75	100	K290970	☐	15-129			☐	☐	☐
74.68	74.99	0.31	GRD	0.31	100	K290971	☐	15-131			☐	☐	☐
74.99	76.60	1.61	GRD	1.61	100	K290972	☐	15-131			☐	☐	☐
76.60	76.90	0.30	GRD	0.30	100	K290973	☐	15-131			☐	☐	☐
76.90	78.78	1.88	GRD	1.88	100	K290975	☐	15-131			☐	☐	☐
78.78	79.08	0.30	GRD	0.30	100	K290976	☐	15-131			☐	☐	☐
79.08	81.38	2.30	QFP, GRD	2.15	93	K290977	☐	15-131			☐	☐	☐
81.38	84.43	3.05	QFP	3.05	100	K290978	☐	15-131			☐	☐	☐
84.43	86.08	1.65	QFP	1.64	99	K290980	☐	15-131			☐	☐	☐
86.08	86.39	0.31	GRD	0.31	100	K290981	☐	15-131			☐	☐	☐
86.39	86.91	0.52	GRD	0.42	81	K290982	☐	15-131			☐	☐	☐
86.91	88.48	1.57	GRD	1.57	100	K290983	☐	15-131			☐	☐	☐
88.48	90.53	2.05	GRD	1.96	96	K290984	☐	15-131			☐	☐	☐
88.48	90.53	2.05	GRD	1.96	96	K290985	☐	15-131			☐	☑	☐
90.53	91.80	1.27	GRD	1.27	100	K290986	☐	15-131			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
91.80	92.31	0.51	GRD	0.51	100	K290987	☐	15-131			☐	☐	☐
92.31	92.85	0.54	GRD	0.54	100	K290988	☐	15-131			☐	☐	☐
92.85	93.39	0.54	GRD	0.54	100	K290990	☐	15-131			☐	☐	☐
93.39	94.06	0.67	GRD	0.67	100	K290991	☐	15-131			☐	☐	☐
94.06	95.25	1.19	GRD	1.19	100	K290992	☐	15-131			☐	☐	☐
95.25	95.74	0.49	GRD	0.49	100	K290993	☐	15-131			☐	☐	☐
95.74	97.64	1.90	GRD	1.84	97	K290995	☐	15-131			☐	☐	☐
97.64	98.30	0.66	GRD	0.66	100	K290996	☐	15-131			☐	☐	☐
98.30	98.90	0.60	GRD	0.60	100	R499454	☐	15-140			☐	☐	☐
98.90	99.82	0.92	GRD	0.92	100	K290997	☐	15-131			☐	☐	☐
99.82	100.30	0.48	GRD	0.48	100	R499455	☐	15-140			☐	☐	☐
100.30	101.96	1.66	GRD	1.46	88	K290998	☐	15-131			☐	☐	☐
101.96	102.29	0.33	GRD	0.33	100	K290999	☐	15-131			☐	☐	☐
102.29	103.15	0.86	GRD	0.86	100	K291000	☐	15-131			☐	☐	☐
102.29	103.15	0.86	GRD	0.86	100	K291001	☐	15-131			☐	☐	☑
103.15	104.74	1.59	GRD	1.39	87	K291002	☐	15-131			☐	☐	☐
104.74	105.37	0.63	GRD	0.62	98	K291003	☐	15-131			☐	☐	☐
105.37	106.49	1.12	GRD	1.07	96	K291004	☐	15-131			☐	☐	☐
106.49	107.96	1.47	GRD	1.47	100	K291005	☐	15-131			☐	☐	☐
107.96	108.81	0.85	GRD	0.82	96	K291006	☐	15-131			☐	☐	☐
108.81	109.64	0.83	GRD	0.83	100	K291007	☐	15-132			☐	☐	☐
109.64	111.77	2.13	GRD	2.13	100	K291008	☐	15-132			☐	☐	☐
111.77	112.20	0.43	GRD	0.42	98	K291009	☐	15-132			☐	☐	☐
112.20	113.76	1.56	GRD	1.55	99	K291010	☐	15-132			☐	☐	☐
113.76	115.03	1.27	GRD	1.17	92	K291011	☐	15-132			☐	☐	☐
113.76	115.03	1.27	GRD	1.17	92	K291012	☐	15-132			☐	☐	☑
115.03	117.89	2.86	GRD	2.71	95	K291013	☐	15-132			☐	☐	☐
117.89	118.20	0.31	GRD, QFP	0.30	97	K291014	☐	15-132			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
118.20	119.15	0.95	GRD	0.95	100	K291015	☐	15-132			☐	☐	☐
119.15	121.01	1.86	GRD	1.84	99	K291017	☐	15-132			☐	☐	☐
121.01	122.07	1.06	GRD	0.95	90	K291018	☐	15-132			☐	☐	☐
122.07	122.53	0.46	GRD	0.44	96	K291019	☐	15-132			☐	☐	☐
122.53	123.33	0.80	GRD	0.78	98	R499456	☐	15-140			☐	☐	☐
123.33	124.05	0.72	GRD	0.69	96	R499457	☐	15-140			☐	☐	☐
124.05	124.82	0.77	GRD	0.77	100	K291020	☐	15-132			☐	☐	☐
124.82	127.10	2.28	GRD	2.18	96	K291021	☐	15-132			☐	☐	☐
127.10	128.06	0.96	GRD	0.96	100	K291023	☐	15-132			☐	☐	☐
128.06	128.42	0.36	GRD	0.36	100	K291024	☐	15-132			☐	☐	☐
128.42	129.42	1.00	GRD	1.00	100	K291025	☐	15-132			☐	☐	☐
129.42	130.71	1.29	GRD	1.18	91	K291026	☐	15-132			☐	☐	☐
130.71	131.12	0.41	GRD	0.41	100	K291027	☐	15-132			☐	☐	☐
131.12	132.21	1.09	GRD	1.09	100	K291029	☐	15-132			☐	☐	☐
146.85	147.30	0.45	GRD	0.45	100	K291030	☐	15-132			☐	☐	☐
147.30	147.86	0.56	GRD	0.56	100	K291031	☐	15-132			☐	☐	☐
147.30	147.86	0.56	GRD	0.56	100	K291032	☐	15-132			☐	☑	☐
147.86	150.70	2.84	GRD	2.55	90	K291033	☐	15-132			☐	☐	☐
150.70	151.39	0.69	GRD	0.69	100	K291034	☐	15-132			☐	☐	☐
151.39	153.72	2.33	GRD	2.26	97	K291035	☐	15-132			☐	☐	☐
153.72	156.18	2.46	GRD	2.46	100	K291037	☐	15-132			☐	☐	☐
156.18	157.74	1.56	GRD	1.53	98	K291038	☐	15-132			☐	☐	☐
157.74	159.10	1.36	GRD	1.36	100	K291039	☐	15-132			☐	☐	☐

Klaza - Klaza Project

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		381554	6889912	1281.6	377.04

ZONE: Western BRX

SECTION: BRX 9+350

HOLE: KL-15-286

CLAIM:

Contractor: Platinum

Drill: 1

Core Size: HQ-NQ2

Casing Depth: 3.7m, Out

Drilling Dates: Aug 12 - Aug 16, 2015

Geology Logged By: T. Cruz

SURVEY			
Depth (m)	Azimuth	Dip	Method
11.27	32.9	-50.1	Reflex
377.03	42.2	-47.9	Reflex

TARGET:

SUMMARY			
From (m)	To (m)	Interval (m)	Rock Type
0	3.7	3.7	CAS
3.7	64.06	60.36	GRD
64.06	68.15	4.09	GRD
68.15	78.84	10.69	GRD
78.84	81.15	2.31	GRD
81.15	185.96	104.81	GRD
185.96	189.79	3.83	GRD
189.79	215.97	26.18	GRD
215.97	222.92	6.95	GRD
222.92	226.05	3.13	GRD
226.05	227.79	1.74	GRD
227.79	240.7	12.91	GRD
240.7	251.68	10.98	GRD
251.68	327.54	75.86	GRD
327.54	350.72	23.18	GRD
350.72	352.35	1.63	BXA

SAMPLES	
Numbers:	K289862 to K289900, K291251 to K291272, R499459 to R499462
Total:	65
Batch:	122, 126, 134, 140
Certificates:	WH15123407, WH15124775, WH15127538, WH15127601, WH15127604

COMMENTS
Reduced at 119.79m

352.35	353.49	1.14	QFP
353.49	353.95	0.46	BXA
353.95	355.33	1.38	QFP
355.33	355.63	0.3	BXA
355.63	355.74	0.11	QFP
355.74	355.89	0.15	VEN
355.89	356.94	1.05	GRD
356.94	377.04	20.1	GRD

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
3.70	16.01	12.31	GRD	MG	Very fractured granodiorite with poor recovery. Blocked several times during drilling. Semi-pervasive oxide staining is strongest on fractures and where fracture density is high. Patchy silicification and argillic alteration.							
						MD	GY	RB	OXI	2I	Li	2
						MD	BN	FR	ARG	2I		
						LT	OR		CLY	1I		
16.01	17.21	1.20	GRD	MG	Strong pervasive oxide stained gouge seam along former veining. Bright orange.							
						MD	OR		CLY	3I		
									OXI	4I		
17.21	39.10	21.89	GRD	MG	Very fractured granodiorite with poor recovery. Blocked several times during drilling. Semi-pervasive oxide staining is strongest on fractures and where fracture density is high. Patchy silicification and argillic alteration.							
						MD	GY	RB	OXI	3I	Li	3
						MD	BN	FR	SIL	2I		
						LT	OR	PA	ARG	2I		
39.10	39.85	0.75	GRD	MG	Bright orange oxide stained zone with weak clay alteration along veining.							
						MD	OR		OXI	4I		
39.85	53.95	14.10	GRD	MG	Very fractured granodiorite with poor recovery. Blocked several times during drilling. Semi-pervasive oxide staining is strongest on fractures and where fracture density is high. Patchy silicification and argillic alteration.							
						MD	GY	RB	OXI	3I		
						MD	BN	FR	ARG	2I		
								PA	SIL	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
53.95	55.22	1.27	GRD	MG	Proximal phyllic and distal argillic halo around quartz-carbonate veining. Argillic alteration is crumbled and gouged, with pervasive oxide staining. Veining is banded quartz-carbonate-rhodochrosite hosting blebby pyrite.							
						MD	BN		ARG	3I		
						LT	GN	ZO	PHC	3I	Py	0.5
									OXI	3I		
55.22	64.06	8.84	GRD	MG	Silicified, rubbly, fractured granodiorite with fracture-limited oxide staining.							
						MD	GY	RB				
						MD	BN	FR				
64.06	68.15	4.09	GRD	MG	Moderately phyllic altered granodiorite cut by several quartz-carbonate-pyrite veins. There is clay on most fractures.							
						MD	GY		CLY	2I	Py	0.1
						LT	GN	FR	PHC	3I	Py	0.1
68.15	78.84	10.69	GRD	MG	Silicified granodiorite with patches of weak-trace propylitic alteration.							
						MD	GY		SIL	2I		
									PRO	1I		
78.84	81.15	2.31	GRD	MG	Fractured patch of argillic and weak propylitic alteration, cut by aplite dykelets and rare quartz-carbonate veins.							
						LT	WH	FR	ARG	3I	Py	0.1
						LT	GN		PRO	2I		
81.15	112.50	31.35	GRD	MG	Silicified granodiorite, with clay on some fractures, cut by aplite dykelets.							
						MD	GY	FR	SIL	2I		
112.50	114.59	2.09	GRD	MG	Argillic altered granodiorite with weak propylitic/potassic overprint. Cut by white carbonate veining.							
						MD	GN		POT	2I		
						LT	GN	MO	ARG	3I		
						LT	PK		PRO	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
114.59	134.57	19.98	GRD	MG	Silicified gran owith patches of propylitic alteration. Cut by aplite dykelets.							
						MD	GY		SIL	2I		
						MD	GN		PRO	1I		
134.57	136.05	1.48	GRD	MG	Argillic halo around quartz-carbonate veinlets with a weak-moderate propylitic and trace potassic overprint. Fine blebby pyrite is hosted in veins.							
						MD	GN		ARG	3I		
						LT	GN	MO	PRO	3I	Py	0.1
						LT	PK		POT	1I		
136.05	137.52	1.47	GRD	MG	Fractured granodiorite with silicification and propylitic alteration.							
						MD	GY	FR	PRO	2I		
						MD	GN		POT	1I		
137.52	141.90	4.38	GRD	MG	Overlapping proximal phyllic and distal argillic halos on white quartz-carbonate veins, some of which host pyrite/hematite. Patchy propylitic, potassic, and hematite overprints.							
						MD	GN		PRO	2I		
						MD	RD		PHC	2I		
						LT	GN	ZO	HEM	2I		
						LT	WH	PA	ARG	3I		
						LT	PK	MO	POT	2I		
141.90	143.96	2.06	GRD	MG	Silicified granodiorite with patchy propylitic alteration.							
						MD	GY		SIL	2I		
						MD	GN		PRO	1I		
143.96	147.07	3.11	GRD	MG	Overlapping proximal phyllic and distal argillic halos on white quartz-carbonate veins, some of which host pyrite/hematite. Patchy propylitic, potassic, and hematite overprints.							
						MD	RD		PHC	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GN		PRO	2I		
						LT	GN	ZO	HEM	2I		
						LT	WH	PA	ARG	3I		
						LT	PK	MO	POT	2I		
147.07	158.22	11.15	GRD	MG	Silicified granodiorite with patchy propylitic.							
						MD	GY	PA	SIL	2I		
						MD	GN		PRO	1I		
158.22	159.96	1.74	GRD	MG	Proximal phyllic and distal argillic halos around quartz-carbonate-pyrite veining.							
						MD	GN		PRO	2I		
						LT	GN		PHC	2I	Py	0.5
159.96	185.96	26.00	GRD	MG	Silicified granodiorite with patchy propylitic, cut by cholite-calcite veinlets and aplite dyklets.							
						MD	GY	PA	SIL	2I		
						MD	GN		PRO	2I		
185.96	186.38	0.42	GRD	MG	Overlapping argillic-propylitic halos on white calcite-dominated veining. Narrower quartz-carbonate veins have blebby pyrite. Some hematite/potassic overprinting of argillic halos.							
						MD	RD		HEM	2I		
						MD	GN					
						LT	PK	ZO	POT	2I		
						LT	GN	PA	ARG	3I	Py	0.1
						LT	WH	MO	PRO	3I		
186.38	186.90	0.52	VEN	CG	Massive white calcite vein with bands of chlorite and hematite along its selvedges.							
						LT	WH	XL				
								MA				
186.90	189.79	2.89	GRD	MG	Overlapping argillic-propylitic halos on white calcite-dominated veining. Narrower quartz-carbonate veins have blebby pyrite. Some hematite/potassic overprinting of argillic halos.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	RD		HEM	2I		
						MD	GN					
						LT	PK	ZO	POT	2I		
						LT	GN	PA	ARG	3I		
						LT	WH	MO	PRO	3I		
189.79	215.97	26.18	GRD	MG	Silicified granodiorite with patchy propylitic alteration.							
						MD	GY	PA	SIL	2I		
						MD	GN		PRO	2I		
215.97	222.92	6.95	GRD	MG	Overlapping argillic-propylitic halos on white-smoky quartz-carbonate veins with fine blebby pyrite. Some veins also carry earthy hematite. Patchy silicification throughout.							
						MD	GN	PA	ARG	2I	Py	0.5
						MD	RD		HEM	2I		
						LT	GN	ZO	SIL	2I		
						LT	WH	MO	PRO	3I	He	0.5
222.92	226.05	3.13	GRD	MG	Moderately propylitic altered fault with semi pervasive gouge. Cut by some chloritic and hematite-bearing veining, most of which is gouged. Recovery is fractured and crumbled. Some fracture surfaces have hematite/chlorite slickensides.							
						MD	GN	RB	CLY	3I	He	1
						MD	RD	FR	PRO	3I		
								SH	HEM	2I		
									CHL	2I		
226.05	227.79	1.74	GRD	MG	Zoned proximal phyllic and distal argillic halo around banded quartz-carbonate-pyrite veining. Outer halos have propylitic/silicified overprints.							
						MD	GN	ZO	SIL	2I	Py	0.1
						LT	GN	PA	PHC	2I		
									ARG	2I		
									PRO	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
227.79	236.23	8.44	GRD	MG	Silicified granodiorite with proximal phyllic and distal argillic halos on few quartz-carbonate veins.							
						MD	GY	PA	SIL	2I		
						LT	WH		PHC	1I		
						LT	GN		ARG	2I		
236.23	237.60	1.37	GRD	MG	Overlapping proximal phyllic and distal argillic halos on quartz-carbonate veins, with trace potassic overprints.							
						LT	WH	PA	ARG	3I	Py	0.1
						LT	GN	MO	PHC	3I		
						LT	PK		POT	1I		
237.60	240.70	3.10	GRD	MG	Silicified granodiorite with proximal phyllic and distal argillic halos on few quartz-carbonate veins.							
						MD	GY		SIL	2I		
						MD	GN		PHC	1I		
240.70	246.05	5.35	GRD	MG	Overlapping proximal phyllic and distal argillic halos on vuggy siliceous/calcareous breccias. Patchy propylitic and potassic overprints.							
						MD	GY	PA	SIL	2I		
						MD	GN		PRO	2I		
						LT	WH	ZO	PHC	3I		
						LT	PK	MO	ARG	3I		
						LT	GN		POT	2I		
246.05	249.47	3.42	GRD	MG	Silicified granodiorite with weak propylitic overprint.							
						MD	GY		SIL	2I		
						MD	GN		POT	1I		
									PRO	1I		
249.47	251.68	2.21	GRD	MG	Overlapping proximal phyllic and distal argillic halos on white quartz-carbonate veinlets. Patchy propylitic and potassic overprints.							
						MD	GY	PA	SIL	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GN		PRO	2I		
						LT	PK	ZO	ARG	3I		
						LT	WH	MO	PHC	3I		
						LT	GN		POT	2I		
251.68	263.38	11.70	GRD	MG	Silicified granodiorite with patchy propylitic and potassic alterations, cu tby quartz-carbonate veining with proxpy halos.							
						MD	GY	PA	SIL	2I		
						MD	GN		PRO	2I		
						LT	PK		POT	1I		
263.38	266.42	3.04	GRD	MG	Overlapping patches of proximal phyllic and distal argillic halos on quartz-carbonate veins with weak patchy potassic overprints.							
						MD	GN		ARG	2I		
						LT	GN	PA	PHC	3I		
						LT	PK		POT	1I		
266.42	271.20	4.78	GRD	MG	Silicified granodiorite with quartz-carbonate-chlorite veining with narrow propylitic halos.							
						MD	GY		PRO	2I		
						MD	GN		SIL	2I		
271.20	274.09	2.89	GRD	MG	Overlapping patches of proximal phyllic and distal argillic halos on quartz-carbonate veins with weak patchy potassic overprints.							
						MD	GN	PA	PHC	3I		
						LT	GN		ARG	2I		
						LT	PK		POT	2I		
274.09	288.40	14.31	GRD	MG	Fractured silicified granodiorite with significant crumbled clay on many fractures.							
						MD	GY	FR	SIL	2I		
						MD	GN		CLY	2I		
									PRO	1I		
288.40	289.93	1.53	GRD	MG	Patchy propylitic and argillic alteration around thin quartz-carbonate veinlets.							
						MD	GN		ARG	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	WH	PA	PRO	2I		
									POT	1I		
289.93	291.37	1.44	GRD	MG	Fractured granodiorite with patchy propylitic alteration.							
						MD	GY	PA	PRO	2I		
						MD	GN		POT	1I		
291.37	297.20	5.83	GRD	MG	Fractured, rubbly granodiorite with patchy argillic/propylitic/phyllic alteration and semi pervasive clay alteration. Cut by few quartz-carbonate veinlets.							
						MD	GN	PA	POT	2I		
						LT	WH	RB	ARG	3I	Py	0.1
						LT	PK	FR	PRO	2I		
									CLY	2I		
297.20	306.25	9.05	GRD	MG	Granodiorite with patchy propylitic and occasional quartz-carbonate veining with propylitic/argillic halos. These veins host trace blebby pyrite.							
						MD	GN	PA	SIL	1I	Py	0.1
						MD	GY		PRO	2I		
						LT	GN		ARG	2I		
306.25	308.17	1.92	GRD	MG	Crumbled granodiorite with clay alteration. Possible fault.							
						MD	GY	RB				
						LT	GY	FR	CLY	3I		
308.17	320.30	12.13	GRD	MG	Silicified granodiorite with patchy propylitic, cut by quartz-carbonate veining with narrow proximal phyllic and distal argillic halos. These veins host blebby pyrite.							
						MD	GY	PA	SIL	2I	Py	0.1
						MD	GN		PHC	2I		
						LT	GN		ARG	2I		
320.30	322.48	2.18	GRD	MG	Overlapping proximal phyllic and distal argillic halos on quartz-carbonate veinlets, with patchy propylitic/potassic overprints.							
						LT	PK	ZO	PRO	1I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	WH	PA	PHC	2I	Py	0.5
						LT	GN	MO	ARG	3I		
									POT	2I		
322.48	327.54	5.06	GRD	MG	Silicified granodiorite with patch propylitic and clay on some fractures.							
						MD	GY	PA	PRO	2I		
						MD	GN		SIL	2I		
327.54	350.72	23.18	GRD	MG	Granodiorite with many overlapping proximal phyllic and distal argillic vein halos, with patchy weak-moderate propylitic/silicification and weak potassic alteration. Cut by many quartz-carbonate-pyrite veins and few aplite dykelets.							
						MD	GN		PHC	3I		
						LT	GN	PA	PRO	3I	Py	0.5
						LT	WH		ARG	2I		
						LT	PK		SIL	3I		
350.72	352.35	1.63	BXA	MG	Brecciated phyllic granodiorite and quartz feldspar porphyry dyke with smoky quartz-carbonate-pyrite veining and a crumbled clay/gouge matrix.							
						LT	GY	FR	HYD	2I		
						LT	GN	BX	PHC	3I	Py	0.5
									CLY	3I		
352.35	353.49	1.14	QFP	FG	Strongly hydrothermally altered light grey-tan quartz feldspar porphyry dyke, cut by carbonate stringers.							
						LT	GY	PO	HYD	4I		
						LT	TN					
353.49	353.95	0.46	BXA	MG	Mineralized mid-dyke multiphase breccia, with a dark grey-black siliceous breccia cut along its centre by a light grey-white quartz-carbonate breccia. Outermost dark grey breccia contains angular clasts of quartz feldspar porphyry dyke and granodiorite, hosting blebby to semi-massive pyrite in its cement. The inner light grey-white quartz-carbonate breccia contains clasts of quartz feldspar porphyry dyke, granodiorite, and dark grey siliceous breccia.							
						LT	GY					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	GN				Sp	0.1
						DK	GY	BX	SIL	3I	Py	1
353.95	355.33	1.38	QFP	FG	Light grey-tan-green hydrothermally altered quartz feldspar porphyry dyke, with patches of weak clay alteration. Cut by gouged quartz-carbonate veining with blebby pyrite and honey brown sphalerite.							
						LT	GN	PO	HYD	4I	Py	0.1
						LT	TN					
						LT	GY		CLY	2I	Sp	0.1
355.33	355.63	0.30	BXA	MG	Mineralized multiphase breccia. Phase One is smoky quartz-carbonate-tan ankerite veining hosting blebby pyrite, honey brown sphalerite, arsenopyrite, and galena. Carbonates in this phase are banded. Later brecciation by dark grey-black siliceous cement incorporates clasts of phyllic granodiorite, Phase One veining, and quartz feldspar porphyry dyke.							
						MD	BR				Gn	0.5
						LT	GN		PHC	2I	Sp	1
						LT	GY				As	1
						DK	GY	BX	HYD	2I	Py	3
355.63	355.74	0.11	QFP	FG	Intermediate dyke phase containing 3 clasts of the surrounding mineralized breccia.							
						LT	GY	BX	HYD	4I	Py	0.5
								PO			As	0.1
											Sp	0.1
355.74	355.89	0.15	VEN	MG	BRX Footwall vein. Massive white quartz-carbonate vein hosting blebby-massive pyrite and blebby arsenopyrite, with trace blebby honey brown sphalerite.							
						MD	BR				As	1
						LT	WH	MA			Py	10
											Gn	0.1
											Sp	0.5
355.89	356.94	1.05	GRD	MG	Phyllic granodiorite cut by quartz-carbonate veining hosting pyrite, honey brown sphalerite, and galena.							
						LT	GN		PHC	4I	Py	0.5
									SIL	2I	Sp	0.1
											Gn	0.1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
356.94	358.21	1.27	GRD	MG	Silicified granodiorite with patchy propylitic and potassic alteration.							
						MD	GY	PA	SIL	2I		
						MD	GN		PRO	2I		
						LT	PK		POT	1I		
358.21	361.31	3.10	GRD	MG	Overlapping patches of phyllic, argillic, and propylitic alteration related to few quartz-carbonate-sulphide veinlets. Patchy trace potassic overprints.							
						MD	GN	PA	PRO	2I	Py	0.1
						LT	PK		PHC	2I		
						LT	GN		ARG	2I	Sp	0.1
									SIL	1I		
									POT	1I		
361.31	366.53	5.22	GRD	MG	Silicified granodiorite with patchy propylitic and potassic alteration.							
						MD	GY	PA	SIL	2I		
						MD	GN		PRO	2I		
						LT	PK		POT	1I		
366.53	368.92	2.39	GRD	MG	Overlapping patches of phyllic, argillic, and propylitic alteration related to few quartz-carbonate-pyrite veinlets. Patchy trace potassic overprints.							
						MD	GN		PHC	3I		
						LT	GN	PA	SIL	2I	Py	0.1
						LT	PK		PRO	2I		
									POT	1I		
368.92	377.04	8.12	GRD	MG	Silicified granodiorite with patchy propylitic and potassic alteration. EOH							
						MD	GY	PA	SIL	2I		
						MD	GN		PRO	2I		
						LT	PK		POT	1I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
3.70	64.06	60.36	GRD	MG	Very fractured granodiorite with poor recovery. Blocked several times during drilling. Semi-pervasive oxide staining is strongest on fractures and where fracture density is high. Cut by few gouge seams, some of which are bright orange indicating veining. Patchy silicification and argillic alteration.							
						LT	OR		CLY	2I		
						MD	GY	RB	OXI	2I	Li	2
						MD	BN	FR	ARG	2I		
64.06	68.15	4.09	GRD	MG	Moderately phyllic altered granodiorite cut by several quartz-carbonate-pyrite veins. There is clay on most fractures.							
						MD	GY		CLY	2I	Py	0.1
						LT	GN	FR	PHC	3I	Py	0.1
68.15	78.84	10.69	GRD	MG	Silicified granodiorite with patches of weak-trace propylitic alteration.							
						MD	GY		SIL	2I		
									PRO	1I		
78.84	81.15	2.31	GRD	MG	Fractured patch of argillic and weak propylitic alteration, cut by aplite dykelets and rare quartz-carbonate veins.							
						LT	GN		PRO	2I		
						LT	WH	FR	ARG	3I	Py	0.1
81.15	185.96	104.81	GRD	MG	Silicified granodiorite, with clay on some fractures, cut by aplite dykelets.							
						MD	GY	FR	SIL	2I		
185.96	189.79	3.83	GRD	MG	Overlapping argillic-propylitic halos on white calcite-dominated veining. One vein has over 50cm of massive calcite. Narrower quartz-carbonate veins have blebby pyrite. Some hematite/potassic overprinting of argillic halos.							
						LT	GN	PA	ARG	3I	Py	0.1
						LT	WH	MO	PRO	3I		
						MD	GN					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	RD		HEM	2I		
						LT	PK	ZO	POT	2I		
189.79	215.97	26.18	GRD	MG	Silicified granodiorite with patchy propylitic alteration.							
						MD	GY	PA	SIL	2I		
						MD	GN		PRO	2I		
215.97	222.92	6.95	GRD	MG	Overlapping argillic-propylitic halos on white-smoky quartz-carbonate veins with fine blebby pyrite. Some veins also carry earthy hematite. Patchy silicification throughout.							
						MD	RD		HEM	2I		
						MD	GN	PA	ARG	2I	Py	0.5
						LT	WH	MO	PRO	3I	He	0.5
						LT	GN	ZO	SIL	2I		
222.92	226.05	3.13	GRD	MG	Moderately propylitic altered fault with semi pervasive gouge. Cut by some chloritic and hematite-bearing veining, most of which is gouged. Recovery is fractured and crumbled. Some fracture surfaces have hematite/chlorite slickensides.							
						MD	GN	RB	CLY	3I	He	1
						MD	RD	FR	PRO	3I		
								SH	HEM	2I		
									CHL	2I		
226.05	227.79	1.74	GRD	MG	Zoned proximal phyllic and distal argillic halo around banded quartz-carbonate-pyrite veining. Outer halos have propylitic/silicified overprints.							
						MD	GN	ZO	SIL	2I	Py	0.1
									ARG	2I		
									PRO	2I		
						LT	GN	PA	PHC	2I		
227.79	240.70	12.91	GRD	MG	Silicified granodiorite with proximal phyllic and distal argillic halos on few quartz-carbonate veins.							
						MD	GY	PA	SIL	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	WH		PHC	1I		
						LT	GN		ARG	2I		
240.70	251.68	10.98	GRD	MG	Overlapping proximal phyllic and distal argillic halos on vuggy siliceous/calcareous breccias. Patchy propylitic and potassic overprints.							
						MD	GN		PRO	2I		
						LT	GN		POT	2I		
						MD	GY	PA	SIL	2I		
						LT	WH	ZO	PHC	3I		
						LT	PK	MO	ARG	3I		
251.68	327.54	75.86	GRD	MG	Silicified granodiorite with patchy propylitic and potassic alterations, cu tby quartz-carbonate veining with proxpy halos.							
						MD	GN		PRO	2I		
						LT	PK		POT	1I		
						MD	GY	PA	SIL	2I		
327.54	350.72	23.18	GRD	MG	Granodiorite with many overlapping proximal phyllic and distal argillic vein halos, with patchy weak-moderate propylitic/silicification and weak potassic alteration. Cut by many quartz-carbonate-pyrite veins and few aplite dykelets.							
						LT	PK		SIL	3I		
						LT	WH		ARG	2I		
						LT	GN	PA	PRO	3I	Py	0.5
						MD	GN		PHC	3I		
350.72	352.35	1.63	BXA	MG	Brecciated phyllic granodiorite and quartz feldspar porphyry dyke with smoky quartz-carbonate-pyrite veining and a crumbled clay/gouge matrix.							
						LT	GY	FR	HYD	2I		
									CLY	3I		
						LT	GN	BX	PHC	3I	Py	0.5
352.35	353.49	1.14	QFP	FG	Strongly hydrothermally altered light grey-tan quartz feldspar porphyry dyke, cut by carbonate stringers.							
						LT	GY	PO	HYD	4I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	TN					
353.49	353.95	0.46	BXA	MG	Mineralized mid-dyke multiphase breccia, with a dark grey-black siliceous breccia cut along its centre by a light grey-white quartz-carbonate breccia. Outermost dark grey breccia contains angular clasts of quartz feldspar porphyry dyke and granodiorite, hosting blebby to semi-massive pyrite in its cement. The inner light grey-white quartz-carbonate breccia contains clasts of quartz feldspar porphyry dyke, granodiorite, and dark grey siliceous breccia.							
						LT	GY				Sp	0.1
						LT	GN				Py	1
						DK	GY	BX	SIL	3I	Gn	0.1
353.95	355.33	1.38	QFP	FG	Light grey-tan-green hydrothermally altered quartz feldspar porphyry dyke, with patches of weak clay alteration. Cut by gouged quartz-carbonate veining with blebby pyrite and honey brown sphalerite.							
						LT	TN					
						LT	GY		CLY	2I	Sp	0.1
						LT	GN	PO	HYD	4I	Py	0.1
355.33	355.63	0.30	BXA	MG	Mineralized multiphase breccia. Phase One is smoky quartz-carbonate-tan ankerite veining hosting blebby pyrite, honey brown sphalerite, arsenopyrite, and galena. Carbonates in this phase are banded. Later brecciation by dark grey-black siliceous cement incorporates clasts of phyllic granodiorite, Phase One veining, and quartz feldspar porphyry dyke.							
						LT	GN		PHC	2I	Sp	1
						LT	GY				As	1
						MD	BR				Gn	0.5
						DK	GY	BX	HYD	2I	Py	3
355.63	355.74	0.11	QFP	FG	Intermediate dyke phase containing 3 clasts of the surrounding mineralized breccia.							
						LT	GY	BX	HYD	4I	Py	0.5
								PO			As	0.1
											Sp	0.1
355.74	355.89	0.15	VEN	MG	BRX Footwall vein. Massive white quartz-carbonate vein hosting blebby-massive pyrite and blebby arsenopyrite, with trace blebby honey brown sphalerite.							
											Gn	0.1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	WH	MA			Py	10
						MD	BR				As	1
											Sp	0.5
355.89	356.94	1.05	GRD	MG	Phyllic granodiorite cut by quartz-carbonate veining hosting pyrite, honey brown sphalerite, and galena.							
									SIL	2I	Sp	0.1
											Gn	0.1
						LT	GN		PHC	4I	Py	0.5
356.94	377.04	20.10	GRD	MG	Silicified granodiorite with proximal phyllic and distal argillic/propylitic halos on quartz-carbonate veining. Most veining carries fine blebby pyrite. Patchy weak propylitic and potassic alteration is common.							
						MD	GY	PA	PHC	2I	Py	0.1
						MD	GN		PRO	2I		
						LT	GN		POT	1I		
						LT	PK		ARG	2I		

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
0.00	3.70	3.70	0	0	0.00	0	--	--	--	Drill Casing
3.70	5.18	1.48	1.47	99	0.00	0	--	4H	2W	
5.18	8.23	3.05	3	98	1.39	46	--	4H	1W	
8.23	11.28	3.05	3.05	100	2.11	69	--	5H	1W	
11.28	14.33	3.05	3.03	99	1.69	55	--	4H	2W	
14.33	17.37	3.04	2.96	97	0.30	10	--	2H	4W	
17.37	20.42	3.05	3.05	100	1.13	37	--	3H	2W	
20.42	23.47	3.05	2.9	95	0.22	7	--	3H	2W	
23.47	26.52	3.05	2.86	94	0.25	8	--	3H	2W	
26.52	29.57	3.05	2.84	93	0.72	24	--	3H	2W	
29.57	32.61	3.04	2.8	92	0.23	8	--	3H	1W	
32.61	35.66	3.05	2.76	90	0.14	5	--	3H	1W	
35.66	38.71	3.05	2.9	95	0.65	21	--	4H	1W	
38.71	41.76	3.05	2.55	84	0.86	28	--	3H	2W	
41.76	44.81	3.05	3.02	99	1.33	44	--	4H	1W	
44.81	47.85	3.04	2.89	95	0.78	26	--	3H	3W	
47.85	50.90	3.05	2.76	90	0.51	17	--	4H	2W	
50.90	53.95	3.05	3.02	99	1.31	43	--	4H	2W	
53.95	57.00	3.05	2.52	83	0.68	22	--	3H	2W	
57.00	60.05	3.05	3.05	100	2.52	83	--	4H	1W	
60.05	63.09	3.04	2.7	89	1.35	44	--	4H	1W	
63.09	66.14	3.05	2.74	90	1.77	58	--	4H	1W	
66.14	69.19	3.05	2.72	89	0.64	21	--	4H	1W	
69.19	72.24	3.05	2.83	93	1.28	42	--	4H	1W	
72.24	75.29	3.05	2.76	90	1.60	52	--	4H	1W	
75.29	78.33	3.04	2.67	88	1.59	52	--	4H	1W	
78.33	81.38	3.05	2.43	80	0.91	30	--	3H	1W	
81.38	84.43	3.05	2.61	86	1.39	46	--	4H	1W	
84.43	87.48	3.05	2.68	88	1.42	47	--	4H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
87.48	90.53	3.05	2.87	94	1.25	41	--	4H	1W	
90.53	93.57	3.04	2.91	96	2.58	85	--	4H	1W	
93.57	96.62	3.05	2.75	90	1.85	61	--	4H	1W	
96.62	99.67	3.05	3.05	100	2.54	83	--	5H	1W	
99.67	102.72	3.05	3.05	100	1.98	65	--	5H	1W	
102.72	105.77	3.05	3.05	100	2.41	79	--	5H	1W	
105.77	108.81	3.04	3.04	100	1.42	47	--	4H	1W	
108.81	111.86	3.05	3.05	100	1.54	50	--	4H	1W	
111.86	114.91	3.05	3.05	100	2.16	71	--	4H	1W	
114.91	117.96	3.05	3.02	99	2.43	80	--	4H	1W	
117.96	119.79	1.83	1.7	93	1.21	66	--	5H	1W	
119.79	121.01	1.22	1.08	89	0.96	79	--	5H	1W	reduced
121.01	124.05	3.04	3.04	100	1.65	54	--	5H	1W	
124.05	127.10	3.05	3.05	100	1.10	36	--	5H	1W	
127.10	130.15	3.05	3.05	100	2.29	75	--	5H	1W	
130.15	133.20	3.05	3.05	100	1.41	46	--	5H	1W	
133.20	136.25	3.05	3.05	100	1.56	51	--	5H	1W	
136.25	139.29	3.04	3.04	100	0.93	31	--	5H	1W	
139.29	142.34	3.05	3.05	100	2.00	66	--	4H	1W	
142.34	145.39	3.05	3.05	100	1.62	53	--	4H	1W	
145.39	148.44	3.05	3.05	100	1.84	60	--	5H	1W	
148.44	151.49	3.05	3.05	100	2.00	66	--	5H	1W	
151.49	154.53	3.04	3.04	100	2.22	73	--	5H	1W	
154.53	157.58	3.05	2.99	98	2.12	70	--	5H	1W	
157.58	160.63	3.05	3.05	100	1.65	54	--	4H	1W	
160.63	163.68	3.05	3.05	100	3.03	99	--	5H	1W	
163.68	166.73	3.05	3.05	100	1.79	59	--	5H	1W	
166.73	169.77	3.04	3.04	100	2.11	69	--	5H	1W	
169.77	172.82	3.05	3.02	99	1.87	61	--	5H	1W	
172.82	175.87	3.05	3.05	100	1.81	59	--	3H	1W	
175.87	178.92	3.05	3.05	100	2.15	70	--	4H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
178.92	181.97	3.05	3.05	100	1.94	64	--	5H	1W	
181.97	185.01	3.04	3.04	100	1.64	54	--	5H	1W	
185.01	188.06	3.05	3.05	100	2.29	75	--	4H	1W	
188.06	191.11	3.05	3.05	100	1.83	60	--	4H	1W	
191.11	194.16	3.05	3.05	100	1.78	58	--	5H	1W	
194.16	197.21	3.05	3.05	100	2.15	70	--	5H	1W	
197.21	200.25	3.04	3.04	100	2.16	71	--	5H	1W	
200.25	203.30	3.05	3.05	100	2.54	83	--	5H	1W	
203.30	206.35	3.05	3.05	100	2.16	71	--	5H	1W	
206.35	209.40	3.05	3.05	100	2.01	66	--	5H	1W	
209.40	212.45	3.05	3.05	100	1.92	63	--	4H	1W	
212.45	215.49	3.04	3.04	100	1.72	57	--	5H	1W	
215.49	218.54	3.05	3.05	100	2.11	69	--	3H	1W	
218.54	221.59	3.05	3.05	100	2.41	79	--	4H	1W	
221.59	224.64	3.05	3.05	100	0.60	20	--	2H	1W	
224.64	227.69	3.05	3.05	100	0.72	24	--	2H	1W	
227.69	230.73	3.04	3.04	100	2.26	74	--	4H	1W	
230.73	233.78	3.05	3.05	100	2.71	89	--	5H	1W	
233.78	236.83	3.05	3.05	100	2.23	73	--	5H	1W	
236.83	239.88	3.05	3.05	100	2.62	86	--	5H	1W	
239.88	242.93	3.05	3.05	100	2.47	81	--	4H	1W	
242.93	245.97	3.04	3.04	100	1.81	60	--	4H	1W	
245.97	249.02	3.05	3.05	100	2.17	71	--	5H	1W	
249.02	252.07	3.05	3.05	100	2.75	90	--	4H	1W	
252.07	255.12	3.05	3.05	100	1.36	45	--	5H	1W	
255.12	258.17	3.05	3.05	100	1.71	56	--	5H	1W	
258.17	261.21	3.04	3.04	100	1.84	61	--	5H	1W	
261.21	264.26	3.05	3.05	100	2.88	94	--	5H	1W	
264.26	267.31	3.05	3.05	100	2.66	87	--	3H	1W	
267.31	270.36	3.05	3.05	100	2.27	74	--	5H	1W	
270.36	273.41	3.05	3.05	100	1.77	58	--	4H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
273.41	276.45	3.04	3.04	100	1.54	51	--	4H	1W	
276.45	279.50	3.05	3.05	100	0.53	17	--	4H	1W	
279.50	282.55	3.05	3.05	100	1.07	35	--	4H	1W	
282.55	285.60	3.05	3.05	100	0.80	26	--	4H	1W	
285.60	288.65	3.05	3.05	100	1.51	50	--	4H	1W	
288.65	291.69	3.04	3.04	100	1.42	47	--	4H	1W	
291.69	294.74	3.05	3.05	100	2.17	71	--	3H	1W	
294.74	297.79	3.05	3.04	100	0.66	22	--	4H	1W	
297.79	300.84	3.05	3	98	1.61	53	--	4H	1W	
300.84	303.89	3.05	3.05	100	0.93	30	--	4H	1W	
303.89	306.93	3.04	3.04	100	1.73	57	--	4H	1W	
306.93	309.98	3.05	2.74	90	1.05	34	--	4H	1W	
309.98	313.03	3.05	3	98	1.98	65	--	4H	1W	
313.03	316.08	3.05	3.05	100	2.07	68	--	4H	1W	
316.08	319.13	3.05	3.05	100	2.52	83	--	4H	1W	
319.13	322.17	3.04	3.04	100	2.17	71	--	3H	1W	
322.17	325.22	3.05	3.01	99	2.36	77	--	4H	1W	
325.22	328.27	3.05	3.05	100	1.65	54	--	4H	1W	
328.27	331.32	3.05	3.05	100	2.54	83	--	3H	1W	
331.32	334.37	3.05	3.05	100	2.55	84	--	3H	1W	
334.37	337.41	3.04	3.04	100	2.34	77	--	3H	1W	
337.41	340.46	3.05	3.05	100	1.75	57	--	3H	1W	
340.46	343.51	3.05	3.05	100	2.03	67	--	3H	1W	
343.51	346.56	3.05	3.05	100	2.04	67	--	3H	1W	
346.56	349.61	3.05	3.04	100	3.01	99	--	4H	1W	
349.61	352.65	3.04	3.04	100	0.81	27	--	3H	1W	
352.65	355.70	3.05	3.05	100	1.29	42	--	3H	1W	
355.70	358.75	3.05	3.05	100	2.57	84	--	3H	1W	
358.75	361.80	3.05	3	98	2.57	84	--	3H	1W	
361.80	364.85	3.05	3.05	100	2.84	93	--	4H	1W	
364.85	367.89	3.04	3.02	99	2.70	89	--	4H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
367.89	370.94	3.05	3.05	100	2.74	90	--	4H	1W	
370.94	373.99	3.05	3.05	100	3.05	100	--	5H	1W	
373.99	377.04	3.05	3.05	100	2.92	96	--	4H	1W	

KL-15-286

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
0.00	0.00	0.00	-QC-	0.00	0	K289872	☐	15-126		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K289877	☐	15-126			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K289886	☐	15-126		KL-STD6	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K289900	☐	15-134		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K291259	☐	15-134			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R499462	☐	15-140			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K289869	☐	15-126			☑	☐	☐
16.01	17.21	1.20	GRD	0.62	52	K289862	☐	15-122			☐	☐	☐
39.10	39.85	0.75	GRD	0.68	91	K289863	☐	15-126			☐	☐	☐
53.95	54.47	0.52	GRD	0.48	92	K289864	☐	15-126			☐	☐	☐
54.47	54.94	0.47	GRD	0.45	96	K289865	☐	15-126			☐	☐	☐
54.94	55.24	0.30	GRD	0.30	100	K289866	☐	15-126			☐	☐	☐
59.68	60.23	0.55	GRD	0.55	100	K289867	☐	15-126			☐	☐	☐
60.23	60.58	0.35	GRD	0.32	91	K289868	☐	15-126			☐	☐	☐
60.58	62.33	1.75	GRD	1.56	89	K289870	☐	15-126			☐	☐	☐
62.33	62.86	0.53	GRD	0.51	96	K289871	☐	15-126			☐	☐	☐
62.86	64.61	1.75	GRD	1.73	99	K289873	☐	15-126			☐	☐	☐
62.86	64.61	1.75	GRD	1.73	99	K289874	☐	15-126			☐	☑	☐
64.61	66.29	1.68	GRD	1.35	80	K289875	☐	15-126			☐	☐	☐
66.29	66.91	0.62	GRD	0.48	77	K289876	☐	15-126			☐	☐	☐
66.91	68.15	1.24	GRD	0.93	75	K289878	☐	15-126			☐	☐	☐
185.01	186.37	1.36	GRD	1.34	99	K289879	☐	15-126			☐	☐	☐
186.37	187.02	0.65	GRD	0.62	95	K289880	☐	15-126			☐	☐	☐
187.02	188.06	1.04	GRD	1.02	98	K289881	☐	15-126			☐	☐	☐
188.06	189.79	1.73	GRD	1.66	96	K289882	☐	15-126			☐	☐	☐
189.79	191.49	1.70	GRD, GRD	1.63	96	K289883	☐	15-126			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
191.49	192.04	0.55	GRD	0.55	100	K289884	☐	15-126			☐	☐	☐
215.97	217.59	1.62	GRD, GRD	1.54	95	K289885	☐	15-126			☐	☐	☐
217.59	220.42	2.83	GRD	2.83	100	K289887	☐	15-126			☐	☐	☐
220.42	221.17	0.75	GRD	0.75	100	K289888	☐	15-126			☐	☐	☐
221.17	222.47	1.30	GRD	1.30	100	K289889	☐	15-126			☐	☐	☐
222.47	222.92	0.45	GRD	0.42	93	K289890	☐	15-126			☐	☐	☐
222.92	224.03	1.11	GRD, GRD	1.07	96	K289891	☐	15-126			☐	☐	☐
224.03	225.98	1.95	GRD	1.29	66	K289892	☐	15-126			☐	☐	☐
224.03	225.98	1.95	GRD	1.29	66	K289893	☐	15-126			☐	☐	☑
225.98	227.03	1.05	GRD	1.01	96	K289894	☐	15-126			☐	☐	☐
227.03	227.42	0.39	GRD	0.38	97	K289895	☐	15-126			☐	☐	☐
315.61	317.10	1.49	GRD	1.44	97	K289896	☐	15-126			☐	☐	☐
317.10	317.40	0.30	GRD	0.30	100	K289897	☐	15-126			☐	☐	☐
317.40	318.53	1.13	GRD	1.13	100	K289898	☐	15-126			☐	☐	☐
327.86	328.81	0.95	GRD	0.95	100	K289899	☐	15-134			☐	☐	☐
328.81	329.11	0.30	GRD	0.30	100	K291251	☐	15-134			☐	☐	☐
329.11	332.00	2.89	GRD	2.81	97	K291252	☐	15-134			☐	☐	☐
332.00	333.04	1.04	GRD	1.02	98	K291253	☐	15-134			☐	☐	☐
333.04	335.78	2.74	GRD	2.70	99	K291254	☐	15-134			☐	☐	☐
333.04	335.78	2.74	GRD	2.70	99	K291255	☐	15-134			☐	☐	☑
335.78	336.41	0.63	GRD	0.62	98	K291256	☐	15-134			☐	☐	☐
336.41	338.87	2.46	GRD	2.30	93	K291257	☐	15-134			☐	☐	☐
338.87	340.40	1.53	GRD	1.53	100	K291258	☐	15-134			☐	☐	☐
340.40	343.40	3.00	GRD	2.89	96	K291260	☐	15-134			☐	☐	☐
343.40	346.27	2.87	GRD	2.87	100	K291261	☐	15-134			☐	☐	☐
346.27	348.94	2.67	GRD	2.63	99	K291262	☐	15-134			☐	☐	☐
348.94	349.47	0.53	GRD	0.51	96	K291263	☐	15-134			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
349.47	350.72	1.25	GRD	1.22	98	K291264	☐	15-134			☐	☐	☐
350.72	352.35	1.63	BXA, GRD	1.49	91	K291265	☐	15-134			☐	☐	☐
352.35	353.49	1.14	QFP, BXA	1.03	90	K291266	☐	15-134			☐	☐	☐
353.49	353.95	0.46	BXA, QFP	0.43	93	R499459	☐	15-140			☐	☐	☐
353.95	354.86	0.91	QFP, BXA	0.91	100	K291267	☐	15-134			☐	☐	☐
354.86	355.33	0.47	QFP	0.44	94	K291268	☐	15-134			☐	☐	☐
355.33	355.63	0.30	QFP, BXA	0.30	100	R499460	☐	15-140			☐	☐	☐
355.63	355.93	0.30	BXA, QFP	0.30	100	R499461	☐	15-140			☐	☐	☐
355.93	356.44	0.51	GRD	0.51	100	K291269	☐	15-134			☐	☐	☐
355.93	356.44	0.51	GRD	0.51	100	K291270	☐	15-134			☐	☑	☐
356.44	356.74	0.30	GRD	0.30	100	K291271	☐	15-134			☐	☐	☐
356.74	357.93	1.19	GRD	1.19	100	K291272	☐	15-134			☐	☐	☐

Klaza - Klaza Project

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		382581	6890116	1385.1	108.81

ZONE: Central BYG

SECTION:

HOLE: KL-15-287

CLAIM:

Contractor: Platinum

Drill: 2

Core Size: HQ

Casing Depth: 3.9m, Out

Drilling Dates: Aug 13 - Aug 14, 2015

Geology Logged By: D. Walsh

SURVEY			
Depth (m)	Azimuth	Dip	Method
17.37	33.4	-50.1	Reflex
108.81	34.7	-50.5	Reflex

TARGET:

SUMMARY			
From (m)	To (m)	Interval (m)	Rock Type
0	3.9	3.9	CAS
3.9	7.36	3.46	GRD
7.36	24.92	17.56	GRD
24.92	34.58	9.66	GRD
34.58	41.54	6.96	GRD
41.54	42.67	1.13	GRD
42.67	43.12	0.45	BXA
43.12	48.53	5.41	QFP
48.53	49.35	0.82	BXA
49.35	51.83	2.48	GRD
51.83	52.5	0.67	GRD
52.5	56.91	4.41	GRD
56.91	59.12	2.21	GRD
59.12	78.83	19.71	GRD
78.83	85.88	7.05	GRD
85.88	91.09	5.21	GRD

SAMPLES	
Numbers:	K291040 to K291095
Total:	56
Batch:	132, 133, 135
Certificates:	WH15124777, WH15124778, WH15127543, WH15134534

COMMENTS

91.09	94.95	3.86	GRD
94.95	96.43	1.48	GRD
96.43	98.62	2.19	GRD
98.62	108.81	10.19	GRD

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
3.90	7.36	3.46	GRD	MG	Pervasively strongly oxidized patchy argillic and phyllic altered granodiorite. Interval is rubbly and oxidation obscures rock textures. Patchy goethite staining along fracture surfaces.							
						MD	OR	RB	PRO	3I		
						DK	OR		ARG	3I		
									OXI	4I		
7.36	16.72	9.36	GRD	MG	Primarily unaltered granodiorite with moderate oxidation along fracture surfaces.							
						MD	GY		OXI	3I		
						MD	OR					
16.72	18.58	1.86	GRD	MG	Pervasively oxidized weak phyllic altered granodiorite hosting an abundance of white carbonate veinlets.							
						MD	OR	EN	OXI	3I		
									PHC	2I		
18.58	24.92	6.34	GRD	MG	Primarily unaltered granodiorite with moderate oxidation along fracture surfaces.							
						MD	GY		OXI	3I		
						MD	OR					
24.92	29.93	5.01	GRD	MG	Pervasively oxidized weak to moderately phyllic altered granodiorite with occasional patches of moderate argillic alteration. Pervasive oxidation obscures rock texture.							
						MD	OR		PHC	3I		
						MD	GN		PHC	2I		
						LT	GN		OXI	3I		
									OXI	4I		
29.93	31.05	1.12	GRD	MG	Patch of oxidized unaltered granodiorite.							
						MD	GY		OXI	3I		
						MD	OR					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
31.05	34.58	3.53	GRD	MG	Pervasively oxidized weak to moderately phyllic altered granodiorite with occasional patches of moderate argillic alteration. Pervasive oxidation obscures rock texture.							
						MD	OR		PHC	3I		
						MD	GN		PHC	2I		
						LT	GN		OXI	3I		
									OXI	4I		
34.58	41.54	6.96	GRD	MG	Unaltered granodiorite with large patches of weak phyllic alteration. Patchy weak pervasive oxidation throughout.							
						MD	GY		OXI	2I		
						MD	OR					
						LT	GN		PHC	2I		
41.54	42.67	1.13	GRD	MG	Pervasively oxidized moderate phyllic altered granodiorite.							
						MD	OR		PHC	3I		
						MD	GN		OXI	3I		
42.67	43.12	0.45	BXA	MG	Contact breccia at upper dyke contact. Siliceous dark grey quartz matrix with granule sized sub-angular clasts of quartz feldspar porphyry dyke, phyllic granodiorite and quartz vein that hosts galena and pyrite. Breccia is patchily pervasively oxidized and has goethite staining along fracture surfaces.							
						MD	GY	BX	OXI	3I	Py	0.1
						MD	OR				Go	1
						DK	GY				Gn	1
43.12	48.53	5.41	QFP	FG	Siliceous light grey to tan quartz feldspar porphyry dyke with patchy pervasive oxidation and goethite staining along fractures. Dyke is brecciated by siliceous matrix a contains pebble sized clasts of silicified granodiorite along with granule to cobble size clasts of silicified dyke.							
						MD	OR		OXI	3I		
						LT	GY	BX	OXI	2I		
						LT	TN					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
48.53	49.35	0.82	BXA	--	Contact breccia at lower dyke contact. Strongly gouge altered siliceous dark grey quartz matrix with granule sized sub-angular clasts of quartz feldspar porphyry dyke, phyllic granodiorite and quartz vein that hosts galena and pyrite. Breccia is patchily pervasively oxidized.							
						MD	OR	BX	OXI	3I	Gn	3
						DK	GY				Py	1
49.35	51.83	2.48	GRD	MG	Pervasively oxidized, silicified moderate phyllic altered granodiorite with patchy minor gouge alteration.							
						MD	GY		SIL	3I		
						MD	GN		PHC	3I		
						MD	OR		OXI	3I		
51.83	52.50	0.67	GRD	MG	Silicified strongly phyllic altered granodiorite with pervasive disseminated pyrite mineralization. Has patchy pervasive oxidation.							
						MD	GN		SIL	3I	Py	2
						MD	GY					
						MD	OR					
						LT	GN		PHC	4I		
52.50	56.91	4.41	GRD	MG	Silicified moderate phyllic/weak propyllitic altered granodiorite with an abundance of quartz+/- sulphide veining/brecciating. Moderate oxidation along fracture surfaces.							
						MD	GN		SIL	3I		
						MD	OR		OXI	3I		
						LT	GN		PRO	2I		
						DK	GN		PHC	3I		
56.91	59.12	2.21	GRD	MG	Weak to moderate argillic/potassic/propyllitic altered granodiorite with patchy moderate oxidation.							
						MD	PK		PRO	3I		
						MD	OR		ARG	2I		
						LT	WH		PRO	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						DK	GN		ARG	3I		
									POT	2I		
									POT	3I		
									OXI	3I		
59.12	78.83	19.71	GRD	MG	Trace to weak potassic/propyllitic altered granodiorite with minor patchy argillic/potassic alteration and small weak phyllic envelopes around occasional carbonate veinlets. Weak oxidation along fracture surfaces. Oxidation intensity decreases with depth.							
						MD	GY		OXI	2I		
						MD	OR					
78.83	85.88	7.05	GRD	MG	Moderate phyllic altered granodiorite with patchy argillic/potassic/propyllitic altered granodiorite.							
						MD	GN		PRO	3I		
						MD	PK					
						LT	GN	PA	PHC	3I		
						LT	WH		POT	3I		
						DK	GN		ARG	3I		
85.88	91.09	5.21	GRD	MG	Trace to weak potassic/propyllitic altered granodiorite with minor patchy argillic/potassic alteration.							
						MD	GY		PRO	1I		
						MD	PK		PRO	2I		
						DK	GN		POT	1I		
									POT	2I		
91.09	94.95	3.86	GRD	MG	Moderate argillic/potassic altered granodiorite with patchy weak propyllitic alteration.							
						LT	WH		POT	3I		
						LT	PK		ARG	3I		
						DK	GN		PRO	2I		
94.95	96.43	1.48	GRD	MG	Silicified moderate phyllic weak propyllitic envelope around a large polymetallic quartz/carbonate/sulphide vein breccia.							
						MD	GN		PRO	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	GN	EN	PHC	3I		
									SIL	3I		
96.43	98.62	2.19	GRD	MG	Patchy weak to moderate argillic/potassic/propyllitic alteration with a moderate phyllic envelope around a quartz/carbonate/sulphide vein.							
						MD	PK		PRO	2I		
						LT	WH	PA	ARG	2I		
						LT	GN		PRO	3I		
						DK	GN		ARG	3I		
									POT	2I		
									POT	3I		
98.62	103.27	4.65	GRD	MG	Trace to weak potassic/propyllitic altered granodiorite.							
						MD	GY		PRO	1I		
									PRO	2I		
									POT	1I		
									POT	2I		
104.36	108.81	4.45	GRD	MG	Trace to weak potassic/propyllitic altered granodiorite.							
						MD	GY		PRO	1I		
									POT	2I		
									PRO	2I		
									POT	1I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
3.90	7.36	3.46	GRD	MG	Pervasively strongly oxidized patchy argillic and phyllic altered granodiorite. Interval is rubbly and oxidation obscures rock textures. Patchy goethite staining along fracture surfaces.							
						DK	OR		ARG	3I		
									OXI	4I		
						MD	OR	RB	PRO	3I		
7.36	24.92	17.56	GRD	MG	Primarily unaltered granodiorite with moderate oxidation along fracture surfaces.							
						MD	GY		OXI	3I		
						MD	OR					
24.92	34.58	9.66	GRD	MG	Pervasively oxidized weak to moderately phyllic altered granodiorite with occasional patches of moderate argillic alteration. Pervasive oxidation obscures rock texture.							
						LT	GN		OXI	3I		
									OXI	4I		
						MD	GN		PHC	2I		
						MD	OR		PHC	3I		
34.58	41.54	6.96	GRD	MG	Unaltered granodiorite with large patches of weak phyllic alteration. Patchy weak pervasive oxidation throughout.							
						LT	GN		PHC	2I		
						MD	OR					
						MD	GY		OXI	2I		
41.54	42.67	1.13	GRD	MG	Pervasively oxidized moderate phyllic altered granodiorite.							
						MD	OR		PHC	3I		
						MD	GN		OXI	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
42.67	43.12	0.45	BXA	--	Contact breccia at upper dyke contact. Siliceous dark grey quartz matrix with granule sized sub-angular clasts of quartz feldspar porphyry dyke, phyllic granodiorite and quartz vein that hosts galena and pyrite. Breccia is patchily pervasively oxidized and has goethite staining along fracture surfaces.							
						DK	GY				Gn	1
						MD	OR				Go	1
						MD	GY	BX	OXI	3I	Py	0.1
43.12	48.53	5.41	QFP	FG	Siliceous light grey to tan quartz feldspar porphyry dyke with patchy pervasive oxidation and goethite staining along fractures. Dyke is brecciated by siliceous matrix a contains pebble sized clasts of silicified granodiorite along with granule to cobble size clasts of silicified dyke.							
						MD	OR		OXI	3I		
						LT	TN					
						LT	GY	BX	OXI	2I		
48.53	49.35	0.82	BXA	--	Contact breccia at lower dyke contact. Strongly gouge altered siliceous dark grey quartz matrix with granule sized sub-angular clasts of quartz feldspar porphyry dyke, phyllic granodiorite and quartz vein that hosts galena and pyrite. Breccia is patchily pervasively oxidized.							
						MD	OR	BX	OXI	3I	Gn	3
						DK	GY				Py	1
49.35	51.83	2.48	GRD	MG	Pervasively oxidized, silicified moderate phyllic altered granodiorite with patchy minor gouge alteration.							
						MD	GN		PHC	3I		
						MD	OR		OXI	3I		
						MD	GY		SIL	3I		
51.83	52.50	0.67	GRD	MG	Silicified strongly phyllic altered granodiorite with pervasive disseminated pyrite mineralization. Has patchy pervasive oxidation.							
						LT	GN		PHC	4I		
						MD	GY					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	OR					
						MD	GN		SIL	3I	Py	2
52.50	56.91	4.41	GRD	MG	Silicified moderate phyllic/weak propyllitic altered granodiorite with an abundance of quartz+/-sulphide veining/brecciating. Moderate oxidation along fracture surfaces.							
						MD	OR		OXI	3I		
						MD	GN		SIL	3I		
						LT	GN		PRO	2I		
						DK	GN		PHC	3I		
56.91	59.12	2.21	GRD	MG	Weak to moderate argillic/potassic/propyllitic altered granodiorite with patchy moderate oxidation.							
						LT	WH		PRO	2I		
						DK	GN		ARG	3I		
						MD	OR		ARG	2I		
									POT	2I		
									POT	3I		
									OXI	3I		
						MD	PK		PRO	3I		
59.12	78.83	19.71	GRD	MG	Trace to weak potassic/propyllitic altered granodiorite with minor patchy argillic/potassic alteration and small weak phyllic envelopes around occasional carbonate veinlets. Weak oxidation along fracture surfaces. Oxidation intensity decreases with depth.							
						MD	GY		OXI	2I		
						MD	OR					
78.83	85.88	7.05	GRD	MG	Moderate phyllic altered granodiorite with patchy argillic/potassic/propyllitic altered granodiorite.							
						MD	GN		PRO	3I		
						DK	GN		ARG	3I		
						LT	WH		POT	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	PK					
						LT	GN	PA	PHC	3I		
85.88	91.09	5.21	GRD	MG	Trace to weak potassic/propyllitic altered granodiorite with minor patchy argillic/potassic alteration.							
						DK	GN		POT	1I		
									POT	2I		
						MD	GY		PRO	1I		
						MD	PK		PRO	2I		
91.09	94.95	3.86	GRD	MG	Moderate argillic/potassic altered granodiorite with patchy weak propyllitic alteration.							
						LT	WH		POT	3I		
						DK	GN		PRO	2I		
						LT	PK		ARG	3I		
94.95	96.43	1.48	GRD	MG	Silicified moderate phyllic weak propyllitic envelope around a large polymetallic quartz/carbonate/sulphide vein breccia.							
						LT	GN	EN	PHC	3I		
						MD	GN		PRO	2I		
									SIL	3I		
96.43	98.62	2.19	GRD	MG	Patchy weak to moderate argillic/potassic/propyllitic alteration with a moderate phyllic envelope around a quartz/carbonate/sulphide vein.							
						LT	WH	PA	ARG	2I		
									POT	3I		
									POT	2I		
						LT	GN		PRO	3I		
						DK	GN		ARG	3I		
						MD	PK		PRO	2I		
98.62	108.81	10.19	GRD	MG	Trace to weak potassic/propyllitic altered granodiorite. Has a moderate phyllic envelope around a quartz/carbonate/sulphide vein.							
									POT	2I		
						MD	GY		PRO	1I		
									PRO	2I		
									POT	1I		

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
0.00	5.18	5.18	0	0	0.00	0	--	--	--	Drill Casing
5.18	8.23	3.05	3.05	100	1.96	64	--	3H	3W	
8.23	11.28	3.05	2.87	94	2.22	73	--	3H	2W	
11.28	14.33	3.05	3.05	100	2.90	95	--	4H	2W	
14.33	17.37	3.04	3.04	100	2.54	84	--	4H	2W	
17.37	20.42	3.05	3.05	100	2.95	97	--	4H	2W	
20.42	23.47	3.05	3.05	100	2.93	96	--	4H	2W	
23.47	26.52	3.05	3.05	100	1.94	64	--	3H	3W	
26.52	29.57	3.05	3.04	100	2.97	97	--	3H	1W	
29.57	32.61	3.04	3.04	100	1.80	59	--	3H	2W	
32.61	35.66	3.05	3	98	2.58	85	--	3H	2W	
35.66	38.71	3.05	3.05	100	2.79	91	--	3H	2W	
38.71	41.76	3.05	3.05	100	2.53	83	--	3H	2W	
41.76	44.81	3.05	3.05	100	1.84	60	--	3H	2W	
44.81	47.85	3.04	3.04	100	2.17	71	--	4H	2W	
47.85	50.90	3.05	3.05	100	1.97	65	--	3H	2W	
50.90	53.95	3.05	3.05	100	2.23	73	--	3H	1W	
53.95	57.00	3.05	3.02	99	2.28	75	--	4H	4W	
57.00	60.05	3.05	3	98	1.82	60	--	4H	2W	
60.05	63.09	3.04	3.04	100	1.88	62	--	4H	1W	
63.09	66.14	3.05	3.05	100	2.76	90	--	4H	1W	
66.14	69.19	3.05	3.05	100	1.31	43	--	4H	1W	
69.19	72.24	3.05	3.05	100	2.29	75	--	4H	1W	
72.24	75.29	3.05	3.05	100	1.94	64	--	4H	1W	
75.29	78.33	3.04	3.04	100	2.64	87	--	5H	1W	
78.33	81.38	3.05	3.05	100	1.65	54	--	4H	1W	
81.38	84.43	3.05	3.05	100	2.65	87	--	3H	1W	
84.43	87.48	3.05	2.94	96	1.94	64	--	3H	1W	
87.48	90.53	3.05	3.05	100	2.28	75	--	4H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
90.53	93.57	3.04	2.93	96	2.38	78	--	3H	1W	
93.57	96.62	3.05	3.05	100	2.75	90	--	3H	1W	
96.62	99.67	3.05	3.05	100	2.67	88	--	3H	1W	
99.67	102.72	3.05	3.05	100	1.77	58	--	3H	1W	
102.72	105.77	3.05	2.97	97	2.40	79	--	4H	1W	
105.77	108.81	3.04	3.04	100	2.67	88	--	5H	1W	

KL-15-287

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
0.00	0.00	0.00	-QC-	0.00	0	K291060	☐	15-133			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K291069	☐	15-133			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K291074	☐	15-133		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K291084	☐	15-135			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K291092	☐	15-135		KL-STD6	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K291054	☐	15-133		KL-STD6	☐	☐	☐
30.61	31.11	0.50	GRD	0.50	100	K291040	☐	15-132			☐	☐	☐
31.11	31.53	0.42	GRD	0.42	100	K291041	☐	15-132			☐	☐	☐
31.53	33.70	2.17	GRD	2.14	99	K291042	☐	15-132			☐	☐	☐
33.70	34.26	0.56	GRD	0.56	100	K291043	☐	15-133			☐	☐	☐
34.26	36.00	1.74	GRD	1.74	100	K291044	☐	15-133			☐	☐	☐
36.00	36.56	0.56	GRD	0.56	100	K291045	☐	15-133			☐	☐	☐
36.56	37.21	0.65	GRD	0.65	100	K291046	☐	15-133			☐	☐	☐
37.21	38.42	1.21	GRD	1.18	98	K291047	☐	15-133			☐	☐	☐
37.21	38.42	1.21	GRD	1.18	98	K291048	☐	15-133			☐	☑	☐
38.42	41.42	3.00	GRD	3.00	100	K291049	☐	15-133			☐	☐	☐
41.42	42.66	1.24	GRD	1.24	100	K291050	☐	15-133			☐	☐	☐
42.66	43.12	0.46	GRD	0.46	100	K291051	☐	15-133			☐	☐	☐
43.12	44.81	1.69	BXA, QFP	1.69	100	K291052	☐	15-133			☐	☐	☐
44.81	47.18	2.37	QFP	2.25	95	K291053	☐	15-133			☐	☐	☐
47.18	48.53	1.35	QFP	1.33	99	K291055	☐	15-133			☐	☐	☐
48.53	49.35	0.82	BXA, QFP	0.72	88	K291056	☐	15-133			☐	☐	☐
49.35	50.67	1.32	GRD, BXA	1.29	98	K291057	☐	15-133			☐	☐	☐
50.67	51.77	1.10	GRD	1.10	100	K291058	☐	15-133			☐	☐	☐
51.77	52.44	0.67	GRD	0.67	100	K291059	☐	15-133			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
52.44	53.95	1.51	GRD	1.44	95	K291061	☐	15-133			☐	☐	☐
53.95	54.67	0.72	GRD	0.67	93	K291062	☐	15-133			☐	☐	☐
54.67	56.43	1.76	GRD	1.75	99	K291063	☐	15-133			☐	☐	☐
56.43	58.58	2.15	GRD	2.11	98	K291064	☐	15-133			☐	☐	☐
56.43	58.58	2.15	GRD	2.11	98	K291065	☐	15-133			☐	☐	☑
58.58	59.18	0.60	GRD	0.58	97	K291066	☐	15-133			☐	☐	☐
78.47	78.99	0.52	GRD	0.52	100	K291067	☐	15-133			☐	☐	☐
78.99	79.44	0.45	GRD	0.44	98	K291068	☐	15-133			☐	☐	☐
79.44	79.95	0.51	GRD	0.51	100	K291070	☐	15-133			☐	☐	☐
79.95	81.60	1.65	GRD	1.60	97	K291071	☐	15-133			☐	☐	☐
81.60	82.06	0.46	GRD	0.46	100	K291072	☐	15-133			☐	☐	☐
82.06	83.60	1.54	GRD	1.54	100	K291073	☐	15-133			☐	☐	☐
83.60	84.79	1.19	GRD	1.19	100	K291075	☐	15-133			☐	☐	☐
84.79	85.10	0.31	GRD	0.31	100	K291076	☐	15-133			☐	☐	☐
85.10	87.48	2.38	GRD	2.19	92	K291077	☐	15-133			☐	☐	☐
87.48	89.67	2.19	GRD	2.19	100	K291078	☐	15-133			☐	☐	☐
89.67	91.07	1.40	GRD	1.40	100	K291079	☐	15-135			☐	☐	☐
91.07	92.37	1.30	GRD	1.18	91	K291080	☐	15-135			☐	☐	☐
92.37	94.95	2.58	GRD	2.58	100	K291081	☐	15-135			☐	☐	☐
94.95	95.40	0.45	GRD, GRD	0.45	100	K291082	☐	15-135			☐	☐	☐
95.40	95.70	0.30	GRD	0.30	100	K291083	☐	15-135			☐	☐	☐
95.70	96.41	0.71	GRD	0.71	100	K291085	☐	15-135			☐	☐	☐
96.41	97.52	1.11	GRD	1.11	100	K291086	☐	15-135			☐	☐	☐
97.52	97.83	0.31	GRD	0.31	100	K291087	☐	15-135			☐	☐	☐
97.83	99.30	1.47	GRD	1.47	100	K291088	☐	15-135			☐	☐	☐
97.83	99.30	1.47	GRD	1.47	100	K291089	☐	15-135			☐	☑	☐
99.30	100.80	1.50	GRD	1.50	100	K291090	☐	15-135			☐	☐	☐
100.80	103.23	2.43	GRD	2.43	100	K291091	☐	15-135			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
103.23	103.84	0.61	GRD	0.58	95	K291093	☐	15-135			☐	☐	☐
103.84	104.14	0.30	GRD	0.30	100	K291094	☐	15-135			☐	☐	☐
104.14	104.83	0.69	GRD	0.69	100	K291095	☐	15-135			☐	☐	☐

Klaza - Klaza Project

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		382607	6890671	1329.18	169.77

ZONE: Central Klaza

SECTION:

HOLE: KL-15-288

CLAIM:

Contractor: Platinum

Drill: 2

Core Size: HQ

Casing Depth: 4.66m, Out

Drilling Dates: Aug 14 - Aug 15, 2015

Geology Logged By: D. Walsh

SURVEY			
Depth (m)	Azimuth	Dip	Method
17.37	34.3	-47.5	Reflex
169.77	38.3	-48	Reflex

TARGET:

SUMMARY			
From (m)	To (m)	Interval (m)	Rock Type
0	4.66	4.66	CAS
4.66	8.56	3.9	GRD
8.56	30.84	22.28	GRD
30.84	55.09	24.25	GRD
55.09	55.81	0.72	MAF
55.81	56.77	0.96	GRD
56.77	60.79	4.02	GRD
60.79	66.41	5.62	GRD
66.41	71.1	4.69	GRD
71.1	106.18	35.08	GRD
106.18	113.25	7.07	GRD
113.25	142.04	28.79	GRD
142.04	142.34	0.3	BXA
142.34	169.77	27.43	GRD

SAMPLES	
Numbers:	K291096 to K291148, R499463 to R499472
Total:	63
Batch:	135, 136, 140
Certificates:	WH15127543, WH15127546, WH15127601, WH15127604

COMMENTS

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
4.66	8.56	3.90	GRD	MG	Rubbly alternating patches of unaltered granodiorite and argillic alteration. Patchy pervasive oxidation throughout.							
						MD	GY	PA	ARG	3I		
						MD	OR		OXI	4I		
						LT	WH	RB	OXI	3I		
8.56	21.75	13.19	GRD	MG	Unaltered granodiorite with occasional patches of moderate argillic alteration. Moderate oxidation along fracture surfaces.							
						MD	GY	PA	ARG	3I		
						MD	OR		OXI	3I		
21.75	23.95	2.20	GRD	MG	Pervasively oxidized moderate phyllic altered granodiorite. Hosts a few quartz/carbonate veins.							
						MD	GN		PHC	3I		
						MD	OR		OXI	3I		
23.95	25.50	1.55	GRD	MG	Unaltered granodiorite. Moderate oxidation along fracture surfaces.							
						MD	GY		OXI	3I		
						MD	OR					
25.50	29.05	3.55	GRD	MG	Primarily unaltered granodiorite with patchy weak phyllic alteration. Patchy pervasive oxidation and moderate oxidation along fracture surfaces.							
						MD	GN	PA	OXI	3I		
						MD	OR		PHC	2I		
						MD	GY					
29.05	30.84	1.79	GRD	MG	Unaltered granodiorite with occasional patches of moderate argillic alteration. Moderate oxidation along fracture surfaces.							
						MD	OR					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GY		OXI	3I		
30.84	55.09	24.25	GRD	MG	Alternating patches of unaltered granodiorite and weak to moderate argillic/potassic/propyllitic alteration. Moderate to strong hematite staining along fracture surfaces. Occasional minor patches of weak chloritization proximal to concentrated hematite staining.							
						MD	GY	PA	PRO	2I	He	3
						MD	PK		ARG	3I		
						LT	WH		POT	3I		
						DK	RD		PRO	3I		
						DK	GN		POT	2I		
									CHL	2I		
55.09	55.81	0.72	MAF	VF	Dark grey weakly magnetic (Stealth Fighter(?)) dyke.							
						DK	GY					
55.81	56.77	0.96	GRD	MG	Moderate phyllic envelope around a quartz/carbonate/sulphide vein.							
						MD	GN					
						LT	GN	EN	PHC	3I		
56.77	60.79	4.02	GRD	MG	Alternating patches of unaltered granodiorite and weak to moderate argillic/potassic/propyllitic alteration. Moderate to strong hematite staining along fracture surfaces. Occasional minor patches of weak chloritization proximal to concentrated hematite staining.							
						MD	GY	PA	PRO	2I		
						MD	PK		ARG	3I		
						LT	WH		POT	3I		
						DK	RD		PRO	3I		
						DK	GN		POT	2I		
									CHL	2I		
60.79	66.41	5.62	GRD	MG	Alternating patches of moderate phyllic/propyllitic and weak potassic/argillic alteration.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	PK		POT	3I		
						MD	GN		PRO	3I		
						LT	GN	PA	PHC	3I		
						LT	WH					
						DK	GN		ARG	3I		
66.41	71.10	4.69	GRD	MG	Moderate to strong phyllic altered granodiorite vein zone with patchy weak propyllitic alteration. Hosts multiple medium to large polymetallic quartz/carbonate/sulphide Central Klaza veins. Trace disseminated pyrite throughout interval.							
						MD	GN		PHC	4I		
						LT	GN	EN	PHC	3I	Py	0.1
						DK	GN		PRO	2I		
71.10	93.86	22.76	GRD	MG	Alternating patches of unaltered granodiorite and weak to moderate argillic/potassic/propyllitic alteration. Minor phyllic envelopes around occasional quartz/carbonate veins/veinlets. Moderate to strong hematite staining along fracture surfaces. Occasional minor patches of weak chloritization proximal to concentrated hematite staining.							
						MD	GY	PA	PRO	2I		
						MD	PK		ARG	3I		
						LT	WH		POT	3I		
						DK	RD		PRO	3I		
						DK	GN		POT	2I		
									CHL	2I		
93.86	94.49	0.63	GRD	MG	Partially gouge altered siliceous breccia. Grey quartz brecciates phyllic/propyllitic altered granodiorite.							
						MD	GY	BX	SIL	3I		
						MD	GN		PRO	3I		
						LT	GN		PHC	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
94.49	106.18	11.69	GRD	MG	Alternating patches of unaltered granodiorite and weak to moderate argillic/potassic/propyllitic alteration. Minor phyllic envelopes around occasional quartz/carbonate veins/veinlets.							
						MD	GY		PRO	2I		
						LT	WH		POT	2I		
						DK	GN		PRO	3I		
									POT	3I		
									ARG	3I		
106.18	113.25	7.07	GRD	MG	Moderate to strong phyllic altered granodiorite vein zone with patchy weak propyllitic alteration. Hosts a large polymetallic quartz/carbonate/sulphide breccia, disseminated tourmaline and pyrite and an abundance of quartz/pyrite/tourmaline veins.							
											Py	0.1
											To	1
113.25	123.25	10.00	GRD	MG	Trace to weak potassic/propyllitic altered granodiorite with patchy moderate potassic alteration and argillic/potassic alteration. Occasional weak hematite staining along fracture surfaces. Occasional carbonate veining throughout.							
						MD	GY	PA	PRO	1I		
						MD	PK		PRO	2I		
						LT	WH		POT	2I		
						DK	GN		POT	1I		
									ARG	3I		
									POT	3I		
123.25	126.15	2.90	GRD	MG	Moderate argillic/potassic and weak propyllitic altered granodiorite.							
						MD	PK		POT	3I		
						LT	WH		PRO	2I		
						DK	GN		ARG	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
126.15	133.16	7.01	GRD	MG	Trace to weak potassic/propyllitic altered granodiorite with patchy moderate potassic alteration and argillic/potassic alteration. Occasional weak hematite staining along fracture surfaces. Occasional carbonate veining throughout.							
						MD	GY		PRO	1I		
						MD	PK		PRO	2I		
						LT	WH		POT	2I		
						DK	GN		POT	1I		
									POT	3I		
									ARG	3I		
133.16	137.09	3.93	GRD	MG	Silicified alternating patches of argillic/potassic, propyllitic/phyllic and moderate potassic alteration.							
						MD	GN	PA	POT	3I		
						MD	PK		PHC	3I		
						LT	WH		ARG	3I		
						DK	GN		PRO	3I		
137.09	142.04	4.95	GRD	MG	Trace to weak potassic/propyllitic altered granodiorite with patchy moderate potassic alteration and argillic/potassic alteration. Occasional carbonate veining throughout.							
						MD	GY		PRO	1I		
						MD	PK		PRO	2I		
						LT	WH		POT	2I		
						DK	GN		POT	1I		
									ARG	3I		
									POT	3I		
142.04	142.34	0.30	BXA	--	Siliceous grey polymictic breccia with sub-angular to sub-rounded granule to cobble sized clasts of quartz feldspar porphyry dyke, siliceous quartz feldspar porphyry dyke, phyllic altered granodiorite, polymetallic smoky quartz/sulphide vein and polymetallic quartz/carbonate/sulphide vein. The vein sulphides are comprised of pyrite, galena, honey brown sphalerite and arsenopyrite.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GY				Gn	1
						MD	GN				Sp	0.1
						LT	GY	BX			Py	2
											As	0.1
142.34	169.77	27.43	GRD	MG	Trace to weak potassic/propyllitic altered granodiorite with sporadic patches of moderate potassic alteration and argillic/potassic alteration. Occasional carbonate veining throughout.							
						MD	GY		PRO	1I		
						MD	PK		PRO	2I		
						LT	WH		POT	2I		
						DK	GN		POT	1I		
									POT	3I		
									ARG	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
4.66	8.56	3.90	GRD	MG	Rubbly alternating patches of unaltered granodiorite and argillic alteration. Patchy pervasive oxidation throughout.							
						LT	WH	RB	OXI	3I		
						MD	OR		OXI	4I		
						MD	GY	PA	ARG	3I		
8.56	30.84	22.28	GRD	MG	Unaltered granodiorite with occasional patches of moderate argillic alteration. Moderate oxidation along fracture surfaces.							
						MD	GY	PA	ARG	3I		
						MD	OR		OXI	3I		
30.84	55.09	24.25	GRD	MG	Alternating patches of unaltered granodiorite and weak to moderate argillic/potassic/propyllitic alteration. Moderate to strong hematite staining along fracture surfaces. Occasional minor patches of weak chloritization proximal to concentrated hematite staining.							
									CHL	2I		
						MD	GY	PA	PRO	2I	He	3
						DK	RD		PRO	3I		
						DK	GN		POT	2I		
						MD	PK		ARG	3I		
						LT	WH		POT	3I		
55.09	55.81	0.72	MAF	VF	Dark grey weakly magnetic (Stealth Fighter(?)) dyke.							
						DK	GY					
55.81	56.77	0.96	GRD	MG	Moderate phyllic envelope around a quartz/carbonate/sulphide vein.							
						MD	GN					
						LT	GN	EN	PHC	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
56.77	60.79	4.02	GRD	MG	Alternating patches of unaltered granodiorite and weak to moderate argillic/potassic/propyllitic alteration. Moderate to strong hematite staining along fracture surfaces. Occasional minor patches of weak chloritization proximal to concentrated hematite staining.							
						DK	GN		POT	2I		
									CHL	2I		
						MD	PK		ARG	3I		
						LT	WH		POT	3I		
						DK	RD		PRO	3I		
						MD	GY	PA	PRO	2I		
60.79	66.41	5.62	GRD	MG	Alternating patches of moderate phyllic/propyllitic and weak potassic/argillic alteration.							
						LT	GN	PA	PHC	3I		
						MD	GN		PRO	3I		
						DK	GN		ARG	3I		
						MD	PK		POT	3I		
						LT	WH					
66.41	71.10	4.69	GRD	MG	Moderate to strong phyllic altered granodiorite vein zone with patchy weak propyllitic alteration. Hosts multiple medium to large polymetallic quartz/carbonate/sulphide Central Klaza veins. Trace disseminated pyrite throughout interval.							
						MD	GN		PHC	4I		
						LT	GN	EN	PHC	3I	Py	0.1
						DK	GN		PRO	2I		
71.10	106.18	35.08	GRD	MG	Alternating patches of unaltered granodiorite and weak to moderate argillic/potassic/propyllitic alteration. Minor phyllic envelopes around occasional quartz/carbonate veins/veinlets. Moderate to strong hematite staining along fracture surfaces. Occasional minor patches of weak chloritization proximal to concentrated hematite staining.							
						DK	GN		POT	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						DK	RD		PRO	3I		
						LT	WH		POT	3I		
						MD	PK		ARG	3I		
									CHL	2I		
						MD	GY	PA	PRO	2I		
106.18	113.25	7.07	GRD	MG	Moderate to strong phyllic altered granodiorite vein zone with patchy weak propyllitic alteration. Hosts a large polymetallic quartz/carbonate/sulphide breccia, disseminated tourmaline and pyrite and an abundance of quartz/pyrite/tourmaline veins.							
											Py	0.1
											To	1
113.25	142.04	28.79	GRD	MG	Trace to weak potassic/propyllitic altered granodiorite with patchy moderate potassic alteration and argillic/potassic alteration. Occasional weak hematite staining along fracture surfaces. Occasional carbonate veining throughout.							
									ARG	3I		
						LT	WH		POT	2I		
						DK	GN		POT	1I		
						MD	PK		PRO	2I		
									POT	3I		
						MD	GY	PA	PRO	1I		
142.04	142.34	0.30	BXA	--	Siliceous grey polymictic breccia with sub-angular to sub-rounded granule to cobble sized clasts of quartz feldspar porphyry dyke, siliceous quartz feldspar porphyry dyke, phyllic altered granodiorite, polymetallic smoky quartz/sulphide vein and polymetallic quartz/carbonate/sulphide vein. The vein sulphides are comprised of pyrite, galena, honey brown sphalerite and arsenopyrite.							
						LT	GY	BX			Py	2
						MD	GY				Gn	1
						MD	GN				Sp	0.1
											As	0.1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
142.34	169.77	27.43	GRD	MG	Trace to weak potassic/propyllitic altered granodiorite with sporadic patches of moderate potassic alteration and argillic/potassic alteration. Occasional carbonate veining throughout.							
						MD	GY		PRO	1I		
						MD	PK		PRO	2I		
						DK	GN		POT	1I		
						LT	WH		POT	2I		
									POT	3I		
									ARG	3I		

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
0.00	4.66	4.66	0	0	0.00	0	--	--	--	Drill Casing
4.66	5.18	0.52	0.52	100	0.00	0	--	3H	2W	
5.18	8.23	3.05	2.37	78	0.11	4	--	3H	2W	
8.23	11.28	3.05	2.91	95	2.32	76	--	4H	2W	
11.28	14.33	3.05	2.19	72	0.99	32	--	4H	3W	
14.33	17.37	3.04	2.57	85	0.38	13	--	4H	2W	
17.37	20.42	3.05	3.05	100	1.49	49	--	3H	1W	
20.42	23.47	3.05	3.05	100	1.80	59	--	3H	2W	
23.47	26.52	3.05	2.89	95	1.14	37	--	3H	2W	
26.52	29.57	3.05	3.05	100	2.02	66	--	3H	1W	
29.57	32.61	3.04	3.04	100	1.81	60	--	3H	1W	
32.61	35.66	3.05	3.05	100	2.37	78	--	3H	1W	
35.66	38.71	3.05	3.05	100	1.83	60	--	3H	1W	
38.71	41.76	3.05	3.05	100	2.15	70	--	4H	1W	
41.76	44.81	3.05	3.05	100	1.38	45	--	3H	1W	1 join visible (spacing - 11, attitude - 50) but the 90% rubble so given a 5.
44.81	47.85	3.04	3.04	100	1.34	44	--	4H	1W	
47.85	50.90	3.05	3.05	100	1.34	44	--	4H	1W	
50.90	53.95	3.05	3.05	100	1.57	51	--	4H	1W	
53.95	57.00	3.05	3.05	100	1.40	46	--	4H	1W	
57.00	60.05	3.05	3.05	100	0.74	24	--	4H	1W	
60.05	63.09	3.04	3.04	100	1.96	64	--	3H	1W	
63.09	66.14	3.05	3.05	100	0.67	22	--	3H	1W	
66.14	69.19	3.05	3.05	100	2.41	79	--	3H	1W	
69.19	72.24	3.05	3.03	99	1.85	61	--	3H	1W	
72.24	75.29	3.05	3.05	100	2.41	79	--	3H	1W	
75.29	78.33	3.04	3.04	100	2.22	73	--	4H	1W	
78.33	81.38	3.05	3.05	100	1.98	65	--	3H	1W	
81.38	84.43	3.05	3.05	100	1.09	36	--	3H	1W	
84.43	87.48	3.05	3.05	100	2.44	80	--	4H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
87.48	90.53	3.05	3.05	100	2.34	77	--	3H	1W	
90.53	93.57	3.04	3	99	1.10	36	--	3H	1W	
93.57	96.62	3.05	3.05	100	2.03	67	--	3H	1W	
96.62	99.67	3.05	3.05	100	2.10	69	--	4H	1W	
99.67	102.72	3.05	3.05	100	2.36	77	--	4H	1W	
102.72	105.77	3.05	3.05	100	2.35	77	--	4H	1W	
105.77	108.81	3.04	3.04	100	2.07	68	--	3H	1W	
108.81	111.86	3.05	3.05	100	1.87	61	--	3H	1W	
111.86	114.91	3.05	3.05	100	2.79	91	--	3H	1W	
114.91	117.96	3.05	3.05	100	2.32	76	--	4H	1W	
117.96	121.01	3.05	3.05	100	2.54	83	--	4H	1W	
121.01	124.05	3.04	3.04	100	2.15	71	--	3H	1W	
124.05	127.10	3.05	3.05	100	1.65	54	--	3H	1W	
127.10	130.15	3.05	3.05	100	2.12	70	--	4H	1W	
130.15	133.20	3.05	3.05	100	1.99	65	--	4H	1W	
133.20	136.25	3.05	2.97	97	2.41	79	--	4H	1W	
136.25	139.29	3.04	3	99	1.75	58	--	4H	1W	
139.29	142.34	3.05	2.93	96	1.66	54	--	4H	1W	
142.34	145.39	3.05	2.94	96	2.57	84	--	4H	1W	
145.39	148.44	3.05	2.96	97	2.26	74	--	4H	1W	
148.44	151.49	3.05	3	98	2.27	74	0R	4H	1W	
151.49	154.53	3.04	2.95	97	2.30	76	--	4H	1W	
154.53	157.58	3.05	3.05	100	2.84	93	--	5H	1W	
157.58	160.63	3.05	2.98	98	2.64	87	--	5H	1W	
160.63	163.68	3.05	3.05	100	2.48	81	--	5H	1W	
163.68	166.73	3.05	3	98	2.62	86	--	5H	1W	
166.73	169.77	3.04	3.04	100	2.61	86	--	4H	1W	

KL-15-288

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
0.00	0.00	0.00	-QC-	0.00	0	K291107	15-135		KL-ST	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K291134	15-136		KL-ST	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K291139	15-136			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K291142	15-136			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K291145	15-136		KL-ST	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R499467	15-140		KL-ST	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K291098	15-135			☑	☐	☐
35.66	36.55	0.89	GRD	0.89	100	K291096	15-135			☐	☐	☐
36.55	37.10	0.55	GRD	0.52	95	K291097	15-135			☐	☐	☐
37.10	37.42	0.32	GRD	0.32	100	K291099	15-135			☐	☐	☐
37.42	38.85	1.43	GRD	1.41	99	K291100	15-135			☐	☐	☐
38.85	39.22	0.37	GRD	0.37	100	K291101	15-135			☐	☐	☐
39.22	42.00	2.78	GRD	2.71	97	K291102	15-135			☐	☐	☐
39.22	42.00	2.78	GRD	2.71	97	K291103	15-135			☐	☐	☑
42.00	42.32	0.32	GRD	0.32	100	K291104	15-135			☐	☐	☐
42.32	42.90	0.58	GRD	0.53	91	K291105	15-135			☐	☐	☐
55.18	55.84	0.66	MAF	0.66	100	K291106	15-135			☐	☐	☐
55.84	56.19	0.35	GRD	0.35	100	K291108	15-135			☐	☐	☐
56.19	56.59	0.40	GRD	0.40	100	K291109	15-135			☐	☐	☐
56.59	56.89	0.30	GRD	0.30	100	K291110	15-135			☐	☐	☐
56.89	58.90	2.01	GRD	1.94	97	K291111	15-135			☐	☐	☐
58.90	61.09	2.19	GRD	2.08	95	K291112	15-135			☐	☐	☐
61.09	61.96	0.87	GRD	0.81	93	K291113	15-135			☐	☐	☐
61.96	62.55	0.59	GRD	0.59	100	K291114	15-135			☐	☐	☐
62.55	62.95	0.40	GRD	0.40	100	K291115	15-136			☐	☐	☐
62.95	64.17	1.22	GRD	1.22	100	K291116	15-136			☐	☐	☐
64.17	64.50	0.33	GRD	0.32	97	K291117	15-136			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
64.50	66.34	1.84	GRD	1.78	97	K291118	15-136			☐	☐	☐
66.34	66.68	0.34	GRD	0.34	100	K291119	15-136			☐	☐	☐
66.68	66.99	0.31	GRD	0.31	100	R499463	15-140			☐	☐	☐
66.99	67.42	0.43	GRD	0.43	100	K291120	15-136			☐	☐	☐
67.42	68.81	1.39	GRD	1.38	99	K291121	15-136			☐	☐	☐
68.81	69.14	0.33	GRD	0.33	100	R499464	15-140			☐	☐	☐
69.14	69.51	0.37	GRD	0.37	100	R499465	15-140			☐	☐	☐
69.51	69.82	0.31	GRD	0.31	100	R499466	15-140			☐	☐	☐
69.82	70.21	0.39	GRD	0.39	100	K291122	15-136			☐	☐	☐
70.21	71.14	0.93	GRD	0.93	100	K291123	15-136			☐	☐	☐
70.21	71.14	0.93	GRD	0.93	100	K291124	15-136			☐	☐	☑
71.14	72.72	1.58	GRD	0.58	37	K291125	15-136			☐	☐	☐
93.42	93.92	0.50	GRD	0.50	100	K291126	15-136			☐	☐	☐
93.92	94.50	0.58	GRD	0.58	100	K291127	15-136			☐	☐	☐
94.50	96.62	2.12	GRD	2.12	100	K291128	15-136			☐	☐	☐
94.50	96.62	2.12	GRD	2.12	100	K291129	15-136			☐	☑	☐
96.62	99.67	3.05	GRD	3.05	100	K291130	15-136			☐	☐	☐
99.67	102.72	3.05	GRD	3.05	100	K291131	15-136			☐	☐	☐
102.72	104.72	2.00	GRD	2.00	100	K291132	15-136			☐	☐	☐
104.72	106.16	1.44	GRD	1.42	99	K291133	15-136			☐	☐	☐
106.16	106.90	0.74	GRD	0.73	99	K291135	15-136			☐	☐	☐
106.90	107.22	0.32	GRD	0.32	100	K291136	15-136			☐	☐	☐
107.22	107.87	0.65	GRD	0.64	98	R499468	15-140			☐	☐	☐
107.87	108.43	0.56	GRD	0.53	95	R499469	15-140			☐	☐	☐
108.43	109.11	0.68	GRD	0.68	100	R499470	15-140			☐	☐	☐
109.11	110.11	1.00	GRD	1.00	100	R499471	15-140			☐	☐	☐
109.11	110.11	1.00	GRD	1.00	100	R499472	15-140			☐	☐	☑
110.11	110.86	0.75	GRD	0.75	100	K291137	15-136			☐	☐	☐
110.86	111.24	0.38	GRD	0.38	100	K291138	15-136			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
111.24	111.92	0.68	GRD	0.66	97	K291140	15-136			☐	☐	☐
111.92	112.24	0.32	GRD	0.32	100	K291141	15-136			☐	☐	☐
112.24	113.25	1.01	GRD	1.01	100	K291143	15-136			☐	☐	☐
113.25	113.75	0.50	GRD, GRD	0.50	100	K291144	15-136			☐	☐	☐
141.53	142.03	0.50	GRD	0.50	100	K291146	15-136			☐	☐	☐
142.03	142.34	0.31	GRD	0.31	100	K291147	15-136			☐	☐	☐
142.34	142.84	0.50	GRD, BXA	0.50	100	K291148	15-136			☐	☐	☐

Klaza - Klaza Project

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		382484	6891020	1277.38	84.43

ZONE: Tech

SECTION:

HOLE: KL-15-289

CLAIM:

Contractor: Platinum

Drill: 2

Core Size: HQ

Casing Depth:

Drilling Dates: Aug 15 - Aug 16, 2015

Geology Logged By: D. Walsh

SURVEY			
Depth (m)	Azimuth	Dip	Method

TARGET:

SUMMARY			
From (m)	To (m)	Interval (m)	Rock Type
0	1.4	1.4	CAS
1.4	4.46	3.06	BXA
4.46	31.46	27	QFP
31.46	76.76	45.3	QFP
76.76	77.66	0.9	GRD
77.66	84.43	6.77	QFP

SAMPLES	
Numbers:	
Total:	0
Batch:	
Certificates:	

COMMENTS
Water hole

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
1.40	4.46	3.06	BXA	--	Intermixed breccia(?) of silicified quartz feldspar porphyry dyke and argillic altered granodiorite. Interval is rubbly and has weak oxidation along fracture surfaces.							
						MD	GY	BX	OXI	2I		
						MD	OR		ARG	3I		
						LT	WH		OXI	3I		
4.46	30.32	25.86	QFP	VF	Silicified light to medium grey quartz feldspar porphyry dyke. Weak oxidation along fracture surfaces and patchy pervasive oxidation. Dendritic goethite along fracture surfaces. The clay phenos have been weathered out of the dyke. The dyke is pitted at the top of the interval.							
						MD	GY					
						MD	OR					
						LT	OR	PO	SIL	4I		
						LT	GY	FR	OXI	2I		
30.32	31.46	1.14	QFP	VF	Strong to intensely silicified dark grey quartz feldspar porphyry dyke. Moderate oxidation along fractures.							
						DK	GY	FR	SIL	4I		
									OXI	3I		
									SIL	5I		
31.46	76.76	45.30	QFP	FG	alternating patches of a light grey/purple and dark grey/purple quartz feldspar porphyry dyke. High abundance of white clay phenos in light portions of the dyke. Weak to strong oxidation along fracture surfaces. Oxidation intensity decreases with depth. The first ~50 of interval are bleached and gouge altered.							
						LT	GY	PO	OXI	3I		
						LT	PU		OXI	2I		
						DK	GY					
						DK	PU					
76.76	77.66	0.90	GRD	MG	Silicified moderate potassic/propyllitic altered granodiorite.							
						MD	GY		SIL	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	PK		POT	3I		
						DK	GN		PRO	3I		
77.66	84.43	6.77	QFP	VF	Strong to intensely silicified grey quartz feldspar porphyry dyke with patches of red. Highly fractures. Patchy weak gouge alteration throughout.							
						MD	GY	FR	SIL	4I		
						MD	RD		SIL	5I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
1.40	4.46	3.06	BXA	--	Intermixed breccia(?) of silicified quartz feldspar porphyry dyke and argillic altered granodiorite. Interval is rubbly and has weak oxidation along fracture surfaces.							
						MD	OR		ARG	3I		
						LT	WH		OXI	3I		
						MD	GY	BX	OXI	2I		
4.46	31.46	27.00	QFP	VF	Silicified light to medium grey quartz feldspar porphyry dyke. Weak oxidation along fracture surfaces and patchy pervasive oxidation. Dendritic goethite along fracture surfaces. The clay phenos have been weathered out of the dyke. The dyke is pitted at the top of the interval.							
						MD	OR					
						LT	GY	FR	OXI	2I		
						LT	OR	PO	SIL	4I		
						MD	GY					
31.46	76.76	45.30	QFP	FG	Alternating patches of a light grey/purple and dark grey/purple quartz feldspar porphyry dyke. High abundance of white clay phenos in light portions of the dyke. Weak to strong oxidation along fracture surfaces. Oxidation intensity decreases with depth. The first ~50 of interval are bleached and gouge altered.							
						LT	PU		OXI	2I		
						DK	GY					
						DK	PU					
						LT	GY	PO	OXI	3I		
76.76	77.66	0.90	GRD	MG	Silicified moderate potassic/propyllitic altered granodiorite.							
						MD	GY		SIL	3I		
						DK	GN		PRO	3I		
						MD	PK		POT	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
77.66	84.43	6.77	QFP	VF	Strong to intensely silicified grey quartz feldspar porphyry dyke with patches of red. Highly fractures. Patchy weak gouge alteration throughout.							
						MD	RD		SIL	5I		
						MD	GY	FR	SIL	4I		

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
0.00	1.40	1.40	0	0	0.00	0	--	--	--	
1.40	2.13	0.73	0.7	96	0.00	0	--	1H	3W	
2.13	5.18	3.05	2.77	91	0.86	28	--	3H	3W	
5.18	8.23	3.05	2.61	86	1.35	44	--	3H	2W	
8.23	11.28	3.05	2.64	87	1.36	45	--	3H	3W	
11.28	14.33	3.05	2.71	89	1.63	53	--	3H	2W	
14.33	17.37	3.04	2.54	84	1.25	41	--	3H	2W	
17.37	20.42	3.05	2.7	89	1.51	50	--	3H	2W	
20.42	23.47	3.05	2.75	90	1.68	55	--	3H	2W	
23.47	26.52	3.05	2.9	95	2.30	75	--	3H	2W	
26.52	29.57	3.05	3.05	100	2.46	81	--	3H	2W	
29.57	32.61	3.04	3.04	100	1.37	45	--	3H	2W	
32.61	35.66	3.05	3.05	100	2.15	70	--	3H	2W	
35.66	38.71	3.05	3.05	100	1.97	65	--	3H	2W	
38.71	41.76	3.05	3.05	100	1.95	64	--	3H	1W	
41.76	44.81	3.05	3.05	100	2.78	91	--	3H	2W	
44.81	47.85	3.04	3.04	100	2.16	71	--	3H	2W	
47.85	50.90	3.05	3.05	100	2.52	83	--	4H	1W	
50.90	53.95	3.05	3.05	100	2.85	93	--	4H	1W	
53.95	57.00	3.05	3.05	100	3.01	99	--	4H	1W	
57.00	60.05	3.05	3.02	99	2.45	80	--	3H	1W	
60.05	63.09	3.04	3.04	100	2.85	94	--	4H	1W	
63.09	66.14	3.05	3.02	99	2.90	95	--	3H	1W	
66.14	69.19	3.05	3.05	100	2.70	89	--	3H	1W	
69.19	72.24	3.05	3.05	100	3.02	99	--	4H	1W	
72.24	75.29	3.05	3.05	100	3.02	99	--	3H	1W	
75.29	78.33	3.04	3.04	100	2.19	72	--	3H	1W	
78.33	81.38	3.05	3.05	100	1.21	40	--	3H	1W	
81.38	84.43	3.05	3.05	100	1.40	46	--	3H	1W	

Klaza - Klaza Project

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		383059	6890592	1301.86	33.22

ZONE: Tech

SECTION:

HOLE: KL-15-290

CLAIM:

Contractor: Platinum

Drill: 2

Core Size: HQ

Casing Depth:

Drilling Dates: Aug 16 - Aug 17, 2015

Geology Logged By: D. Walsh

SURVEY			
Depth (m)	Azimuth	Dip	Method

TARGET:

SUMMARY			
From (m)	To (m)	Interval (m)	Rock Type
0	4.36	4.36	CAS
4.36	14.6	10.24	GRD
14.6	26.71	12.11	GRD
26.71	33.22	6.51	GRD

SAMPLES	
Numbers:	
Total:	0
Batch:	
Certificates:	

COMMENTS
Water Hole

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
4.36	14.60	10.24	GRD	MG	Pervasively oxidized alternating patches of moderate phyllic alteration and moderate argillic alteration. Argillic patches are rubbly and broken up.							
						MD	OR	PA	PHC	3I		
						MD	GN					
						LT	GN	RB	ARG	3I		
14.60	26.71	12.11	GRD	MG	Moderate phyllic altered granodiorite with patchy weak to moderate propyllitic alteration. Moderate oxidation along fracture surfaces and patchy pervasive oxidation.							
						MD	GN	PA	OXI	3I		
						MD	OR		PRO	2I		
						DK	GN		PHC	3I		
									PRO	3I		
26.71	33.22	6.51	GRD	MG	Trace to weak potassic/propyllitic altered granodiorite.							
						MD	PK		POT	2I		
						MD	GY		PRO	1I		
						DK	GN		PRO	2I		
									POT	1I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
4.36	14.60	10.24	GRD	MG	Pervasively oxidized alternating patches of moderate phyllic alteration and moderate argillic alteration. Argillic patches are rubbly and broken up.							
						MD	GN					
						LT	GN	RB	ARG	3I		
						MD	OR	PA	PHC	3I		
14.60	26.71	12.11	GRD	MG	Moderate phyllic altered granodiorite with patchy weak to moderate propyllitic alteration. Moderate oxidation along fracture surfaces and patchy pervasive oxidation.							
									PRO	3I		
						MD	OR		PRO	2I		
						DK	GN		PHC	3I		
						MD	GN	PA	OXI	3I		
26.71	33.22	6.51	GRD	MG	Trace to weak potassic/propyllitic altered granodiorite.							
									POT	1I		
						MD	PK		POT	2I		
						DK	GN		PRO	2I		
						MD	GY		PRO	1I		

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
0.00	4.36	4.36	0	0	0.00	0	--	--	--	Drill Casing
4.36	5.18	0.82	0.82	100	0.20	24	--	3H	3W	
5.18	8.22	3.04	2.05	67	0.56	18	--	3H	3W	
8.22	11.89	3.67	2.68	73	1.41	38	--	3H	3W	
11.89	14.94	3.05	2.62	86	1.42	47	--	3H	2W	
14.94	17.98	3.04	3.04	100	2.29	75	--	3H	2W	
17.98	21.03	3.05	2.94	96	2.30	75	--	3H	2W	
21.03	24.08	3.05	3.05	100	2.33	76	--	3H	2W	
24.08	27.13	3.05	3.02	99	2.68	88	--	4H	2W	
27.13	30.18	3.05	3.05	100	2.31	76	--	4H	1W	
30.18	33.22	3.04	3.04	100	2.78	91	--	5H	1W	

Klaza - Klaza Project

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		381483	6889977	1271.2	404.47

ZONE: Western BRX

SECTION: BRX 9+250

HOLE: KL-15-291

CLAIM:

Contractor: Platinum

Drill: 1

Core Size: HQ-NQ2

Casing Depth: 4.5m, Out

Drilling Dates: Aug 16 - Aug 20, 2015

Geology Logged By: T. Cruz

SURVEY			
Depth (m)	Azimuth	Dip	Method
2.13	28.4	-51.1	Reflex
404.46	42.8	-48.8	Reflex

TARGET:

SUMMARY			
From (m)	To (m)	Interval (m)	Rock Type
0	4.5	4.5	CAS
4.5	5.18	0.68	VOL
5.18	53.7	48.52	GRD
53.7	60.05	6.35	GRD
60.05	70.79	10.74	GRD
70.79	75.44	4.65	GRD
75.44	115.28	39.84	GRD
115.28	122	6.72	GRD
122	214.82	92.82	GRD
214.82	220.5	5.68	GRD
220.5	281.2	60.7	GRD
281.2	298.75	17.55	GRD
298.75	322.51	23.76	GRD
322.51	333.58	11.07	GRD
333.58	363.1	29.52	GRD
363.1	373.45	10.35	GRD

SAMPLES	
Numbers:	K291273 to K291350, R499473 to R499476
Total:	82
Batch:	134, 137, 139, 140
Certificates:	WH15127538, WH15127591, WH15127599, WH15127601, WH15127604

COMMENTS
Reduced 140.14m

373.45	381.42	7.97	GRD
381.42	386.12	4.7	GRD
386.12	387.54	1.42	QFP
387.54	388.04	0.5	BXA
388.04	388.3	0.26	QFP
388.3	389.05	0.75	BXA
389.05	390	0.95	GRD
390	392.15	2.15	QFP
392.15	404.47	12.32	GRD

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
4.50	5.18	0.68	VOL	FG	Mafic magnetic dyke. Highly fractured with oxidation occuring along fracture/joing faces.							
						LT	BK	RB				
						DK	GY	AN				
5.18	33.08	27.90	GRD	MG	Extremely rubbly alternating patches of highly weathered unaltered granodiorite to argillic altered granodiorite. Both types of granodiorite are very incompetent, and display pervasive oxidation throughout much of the interval. Occasional goethite staining is present along both fracture/joint faces, and within rubble zones. Colour varies from deep orange (extremely weathered+rubbly) to brown.							
						MD	OR	FR	ARG	3I		
						MD	BN					
						LT	OR		OXI	4I		
						LT	BN					
						DK	OR	RB	ARG	2I	Go	2
						DK	BN		OXI	5I		
33.08	43.28	10.20	GRD	MG	Intensely weathered and highly fractured rubble zone of pervasively oxidized argillic +- phyllic? Altered granodiorite. Deep orange colour along with goethite staining potentially indicate an oxidized/weathered zone of alteration.							
						MD	OR	FR	OXI	5I		
						MD	BN		ARG	2I		
						LT	OR	RB	OXI	4I		
									ARG	3I		
43.28	53.70	10.42	GRD	MG	Highly fractured rubbly zone of unaltered to argillic altered granodiorite. Interval displays moderate to high oxidation with pervasive oxidation occuring in rubbly sections of interval. Goethite staining is present within both rubbly and competent core. Core is ~40% competent, with the rest highly fractured and rubbly.							
						MD	OR	RB	ARG	2I	Go	2
						MD	BN		OXI	4I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	OR	FR	ARG	3I		
						LT	BN					
53.70	60.05	6.35	GRD	MG	Unaltered granodiorite with brown patches weathered rubble. Granodiorite is highly fractured and broken up. Trace to weak oxidation along fracture surfaces.							
						MD	GY	RB	OXI	1I		
						MD	BN		OXI	2I		
60.05	70.79	10.74	GRD	MG	Unaltered granodiorite with weak to moderate oxidation along fractures.							
						MD	GY		OXI	2I		
						MD	OR		OXI	3I		
70.79	75.44	4.65	GRD	MG	Moderate phyllic and weakly propyllitic altered granodiorite. Hosts a few quartz/sulphide+/- sulphide veins. Patches of minor gouge alteration.							
						MD	GN		PRO	2I		
						LT	GN		PHC	3I		
75.44	79.64	4.20	GRD	MG	Trace to weak potassic/propyllitic altered granodiorite with minor phyllic/propyllitic envelopes around occasional quartz/carbonate veining.							
						MD	GY		PRO	1I		
						MD	GN		PRO	2I		
						MD	PK		POT	1I		
						DK	GN		POT	2I		
79.64	85.27	5.63	GRD	MG	Alternating patches of potassic/argillic/propyllitic alteration and phyllic alteration hosting a few carbonate veins.							
						MD	PK		POT	3I		
						LT	WH	PA	ARG	3I		
						LT	GN		PHC	3I		
						DK	GN		PRO	3I		
85.27	102.09	16.82	GRD	MG	Trace to weak potassic/propyllitic altered granodiorite with minor phyllic/propyllitic envelopes around occasional quartz/carbonate veining.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GY		PRO	1I		
						MD	GN		PRO	2I		
						MD	PK		POT	1I		
						DK	GN		POT	2I		
102.09	102.72	0.63	GRD	MG	Moderate phyllic envelope around a banded quartz/carbonate/sulphide vein.							
						MD	GN	EN	PHC	3I		
						LT	GN					
102.72	115.28	12.56	GRD	MG	Trace to weak potassic/propyllitic altered granodiorite with minor phyllic/propyllitic envelopes around occasional quartz/carbonate veining.							
						MD	GY		PRO	1I		
						MD	GN		PRO	2I		
						MD	PK		POT	1I		
						DK	GN		POT	2I		
115.28	122.00	6.72	GRD	MG	Silicified weak phyllic/argillic altered granodiorite.							
						MD	GN		PHC	2I		
						LT	GN		SIL	3I		
									ARG	2I		
122.00	145.00	23.00	GRD	MG	Unaltered granodiorite with minor phyllic/propyllitic envelopes around occasional quartz/carbonate veining.							
						MD	GY					
145.00	146.29	1.29	GRD	MG	Moderate phyllic altered granodiorite with patchy weak propyllitic alteration. Hosts multiple carbonate+/-quartz veins/veinlets.							
						MD	GN	EN	PHC	3I		
						LT	GN		PRO	2I		
						DK	GN					
146.29	150.28	3.99	GRD	MG	Unaltered granodiorite.							
						MD	GY					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
150.28	151.45	1.17	GRD	MG	Moderate propyllitic altered granodiorite.							
						DK	GN		PRO	3I		
151.45	174.66	23.21	GRD	MG	Unaltered granodiorite with minor phyllic/propyllitic envelopes around occasional quartz/carbonate veining.							
						MD	GY					
174.66	175.83	1.17	GRD	MG	Moderate argillic/potassic altered granodiorite with minor weak phyllic envelopes around quartz/carbonate veining.							
						MD	PK		POT	3I		
						LT	GN		PHC	2I		
						LT	WH		ARG	3I		
175.83	179.45	3.62	GRD	MG	Unaltered granodiorite.							
						MD	GY					
179.45	187.00	7.55	GRD	MG	Moderate phyllic/propyllitic altered granodiorite with patchy argillic/potassic. Hosts a large quartz/carbonate/sulphide vein multiple quartz/carbonate veins throughout.							
						MD	GN		PHC	3I		
						MD	PK					
						LT	GN		PRO	3I		
						LT	WH		POT	3I		
						DK	GN		ARG	3I		
187.00	214.82	27.82	GRD	MG	Unaltered granodiorite with minor phyllic/propyllitic envelopes around occasional quartz/carbonate veining.							
						MD	GY					
214.82	220.50	5.68	GRD	MG	Moderate phyllic/propyllitic altered granodiorite. Hosts multiple quartz/carbonate/sulphide veins.							
						MD	GN		PRO	3I		
						LT	GN		PHC	3I		
						DK	GN					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
220.50	225.64	5.14	GRD	MG	Trace to weak potassic/propyllitic altered granodiorite with occasional patches of argillic/potassic alteration throughout.							
						MD	GY		PRO	2I		
						MD	PK		PRO	1I		
						DK	GN		POT	1I		
									POT	2I		
225.64	226.29	0.65	GRD	MG	Moderate phyllic/propyllitic envelope hosting a quartz/carbonate/sulphide vein							
						MD	GN	EN	PRO	3I		
						DK	GN		PHC	3I		
226.29	239.76	13.47	GRD	MG	Trace to weak potassic/propyllitic altered granodiorite with occasional patches of argillic/potassic alteration throughout.							
						MD	PK		PRO	1I		
						MD	GY		PRO	2I		
						DK	GN		POT	1I		
									POT	2I		
239.76	242.85	3.09	GRD	MG	Moderate phyllic/weak propyllitic alteration around quartz/carbonate veining. Transitions to distal argillic/potassic/propyllitic alteration away from veining.							
						MD	GN	EN	PHC	3I		
						MD	PK					
						LT	WH		POT	3I		
						LT	GN		PRO	2I		
						DK	GN		ARG	3I		
242.85	253.95	11.10	GRD	MG	Trace to weak potassic/propyllitic altered granodiorite with occasional patches of argillic/potassic alteration throughout.							
						MD	PK		PRO	1I		
						MD	GY		PRO	2I		
						DK	GN		POT	1I		
									POT	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
253.95	255.12	1.17	GRD	MG	Proximal phyllic/propyllitic envelope around a quartz/carbonate vein with a distal potassic argillic halo.							
						MD	GN		PHC	3I		
						MD	PK					
						LT	GN	EN	PRO	3I		
						LT	WH		POT	3I		
						DK	GN		ARG	3I		
255.12	259.50	4.38	GRD	MG	Trace to weak potassic/propyllitic altered granodiorite.							
						MD	PK		PRO	1I		
						MD	GY		PRO	2I		
						DK	GN		POT	1I		
									POT	2I		
259.50	264.50	5.00	GRD	MG	Silicified moderately phyllic/propyllitic altered granodiorite. Hosts patchy gouge alteration and a few quartz/carbonate veins.							
						MD	GN		PHC	3I		
						LT	GN		PRO	3I		
						DK	GN					
264.50	274.09	9.59	GRD	MG	Trace to weak potassic/propyllitic altered granodiorite.							
						MD	PK		PRO	1I		
						MD	GY		PRO	2I		
						DK	GN		POT	1I		
									POT	2I		
274.09	281.20	7.11	GRD	MG	Weak to moderate argillic/potassic altered granodiorite with a patchy weak propyllitic overprint. Has small patches of trace to weak potassic/propyllitic altered granodiorite.							
						MD	PK		ARG	2I		
						MD	GY		POT	2I		
						LT	WH	PA	ARG	3I		
						DK	GN		PRO	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
									POT	3I		
281.20	298.75	17.55	GRD	MG	Moderate phyllic/propyllitic altered granodiorite. Hosts multiple patches of gouge alteration and a few quartz/carbonate veins.							
						MD	GN		PRO	3I		
						LT	GN		PHC	3I		
						DK	GN					
298.75	304.86	6.11	GRD	MG	Trace to weak potassic/propyllitic altered granodiorite with minor weak phyllic envelopes around sporadic quartz/carbonate veining.							
						MD	PK		PRO	2I		
						MD	GY		POT	1I		
						DK	GN		PRO	1I		
									POT	2I		
304.86	307.26	2.40	GRD	MG	Moderate argillic/potassic altered granodiorite with small weak phyllic envelopes around quartz/carbonate veinlets.							
						MD	PK		POT	3I		
						MD	GN					
						LT	WH		ARG	3I		
307.26	322.51	15.25	GRD	MG	Trace to weak potassic/propyllitic altered granodiorite with occasional patches of argillic/potassic alteration and minor weak phyllic envelopes around sporadic quartz/carbonate veining.							
						MD	GY		POT	1I		
						MD	PK		PRO	2I		
						DK	GN		PRO	1I		
									POT	2I		
322.51	326.89	4.38	GRD	MG	Moderate phyllic/propyllitic altered granodiorite hosting a few quartz/carbonate veins and a gouge zone. Interval has rubbly patches.							
						MD	GN		PHC	3I		
						LT	GN	RB	PRO	3I		
						DK	GN					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
326.89	329.58	2.69	GRD	MG	Patchy weak to moderate argillic, propyllitic and potassic alterations.							
						MD	PK		PRO	3I		
						LT	WH	PA	PRO	2I		
						DK	GN		POT	2I		
									ARG	3I		
									POT	3I		
									ARG	2I		
333.58	363.10	29.52	GRD	MG	Trace to weak potassic/propyllitic altered granodiorite with many patches of argillic/potassic alteration and minor weak phyllic/propyllitic envelopes around sporadic quartz/carbonate veining. Much of the argillic alteration is broken up and rubbly.							
						MD	GY		POT	1I		
						MD	PK		PRO	2I		
						LT	WH		POT	2I		
						DK	GN	RB	PRO	1I		
									ARG	3I		
363.10	370.55	7.45	GRD	MG	Moderate phyllic altered granodiorite with patchy weak propyllitic alteration and occasional patches of moderate argillic alteration. Hosts multiple quartz/carbonate/pyrite veins.							
						LT	GN	PA	PHC	3I		
						LT	WH		PRO	2I		
						DK	GN		ARG	3I		
371.52	373.45	1.93	GRD	MG	Moderate phyllic altered granodiorite with patchy weak propyllitic alteration and occasional patches of moderate argillic alteration. Hosts multiple quartz/carbonate/pyrite veins.							
						LT	WH		PRO	2I		
						LT	GN		PHC	3I		
						DK	GN		ARG	3I		
373.45	381.42	7.97	GRD	MG	Weak to moderate propyllitic/potassic altered granodiorite with patchy weak argillic alteration and phyllic envelops around quartz/carbonate veining.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	PK		POT	3I		
						MD	GY		PRO	3I		
						LT	WH		POT	2I		
						DK	GN		PRO	2I		
									ARG	2I		
									PHC	3I		
381.42	386.12	4.70	GRD	MG	Western BRX vein zone. Consists of silicified moderate phyllic altered granodiorite with patchy weak propyllitic alteration. Host the bonus veins and the BRX foot wall vein along with multiple polymetallic quartz/carbonate/sulphide vein. Phyllic altered hosts trace disseminated pyrite.							
						MD	GN		PRO	2I		
						LT	GN		PHC	3I	Py	0.1
						DK	GN					
386.12	387.54	1.42	QFP	VF	Light grey/brown quartz feldspar porphyry dyke.							
								PO				
387.54	388.04	0.50	BXA	--	Partially gouge altered siliceous black breccia that brecciate both phyllic altered granodiorite and quartz feldspar porphyry dyke. Hosts disseminated pyrite.							
						MD	GY	BX	SIL	3I	Py	1
						DK	GY					
						DK	BK					
388.04	388.30	0.26	QFP	VF	Light grey/brown quartz feldspar porphyry dyke.							
						LT	GY	PO				
						LT	BN					
388.30	389.05	0.75	BXA	MG	Partially gouge altered gray to dark grey quartz breccia hosting disseminated to blebby pyrite, honey brown sphalerite, galena and arsenopyrite. Has clasts of gouge altered silicified phyllic altered granodiorite.							
						MD	GY				Gn	1
						LT	GY	BX	SIL	3I	Py	2
						DK	GY				Sp	1
											As	1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
389.05	390.00	0.95	GRD	MG	Silicified moderate to strongly phyllic altered granodiorite. Hosts disseminated pyirte and polymetallic quartz/sulphide vein.							
						MD	GY		SIL	3I		
						MD	GN		PHC	4I		
						LT	GY		PHC	3I	Py	1
390.00	392.15	2.15	QFP	VF	Quartz feldspar porphyry dyke with alternating patches of grey/brown and grey/purple color.							
						MD	GY					
						MD	PU					
						MD	BN					
392.15	404.47	12.32	GRD	MG	Alternating patches of weak to moderate propyllitic/potassic and argillic/propyllitic/potassic alteration. Minor phyllic halos around occasional carbonate veinlets.							
						MD	GN		POT	2I		
						MD	PK		POT	3I		
						LT	WH	PA	PRO	2I		
						DK	GN		PRO	3I		
									ARG	2I		
									ARG	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
4.50	5.18	0.68	VOL	FG	Mafic magnetic dyke. Highly fractured with oxidation occuring along fracture/joing faces.							
						DK	GY	AN				
						LT	BK	RB				
5.18	53.70	48.52	GRD	MG	Extremely rubbly alternating patches of highly weathered unaltered granodiorite to argillic altered granodiorite. Both types of granodiorite are very incompetent, and display pervasive oxidation throughout much of the interval. Occasional goethite staining is present along both fracture/joint faces, and within rubble zones. Colour varies from deep orange (extremely weathered+rubbly) to brown.							
						DK	OR	RB	ARG	2I	Go	5
						MD	OR	FR	ARG	3I		
						LT	OR		OXI	4I		
						DK	BN		OXI	5I		
						MD	BN					
						LT	BN					
53.70	60.05	6.35	GRD	MG	Unaltered granodiorite with brown patches weathered rubble. Granodiorite is highly fractured and broken up. Trace to weak oxidation along fracture surfaces.							
						MD	GY	RB	OXI	1I		
						MD	BN		OXI	2I		
60.05	70.79	10.74	GRD	MG	Unaltered granodiorite with weak to moderate oxidation along fractures.							
						MD	OR		OXI	3I		
						MD	GY		OXI	2I		
70.79	75.44	4.65	GRD	MG	Moderate phyllic and weakly propyllitic altered granodiorite. Hosts a few quartz/sulphide+/-sulphide veins. Patches of minor gouge alteration.							
						LT	GN		PHC	3I		
						MD	GN		PRO	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
75.44	115.28	39.84	GRD	MG	Trace to weak potassic/propyllitic altered granodiorite with minor phyllic/propyllitic envelopes around occasional quartz/carbonate veining.							
						MD	GY		PRO	1I		
						MD	GN		PRO	2I		
						MD	PK		POT	1I		
						DK	GN		POT	2I		
115.28	122.00	6.72	GRD	MG	Silicified weak phyllic/argillic altered granodiorite.							
						LT	GN		SIL	3I		
						MD	GN		PHC	2I		
									ARG	2I		
122.00	214.82	92.82	GRD	MG	Unaltered granodiorite with minor phyllic/propyllitic envelopes around occasional quartz/carbonate veining.							
						MD	GY					
214.82	220.50	5.68	GRD	MG	Moderate phyllic/propyllitic altered granodiorite. Hosts multiple quartz/carbonate/sulphide veins.							
						DK	GN					
						MD	GN		PRO	3I		
						LT	GN		PHC	3I		
220.50	281.20	60.70	GRD	MG	Trace to weak potassic/propyllitic altered granodiorite with occasional patches of argillic/potassic alteration throughout.							
									POT	2I		
						MD	GY		PRO	2I		
						DK	GN		POT	1I		
						MD	PK		PRO	1I		
281.20	298.75	17.55	GRD	MG	Moderate phyllic/propyllitic altered granodiorite. Hosts multiple patches of gouge alteration and a few quartz/carbonate veins.							
						MD	GN		PRO	3I		
						LT	GN		PHC	3I		
						DK	GN					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
298.75	322.51	23.76	GRD	MG	Trace to weak potassic/propyllitic altered granodiorite with occasional patches of argillic/potassic alteration and minor weak phyllic envelopes around sporadic quartz/carbonate veining.							
						LT	GN		POT	2I		
						MD	GY		POT	1I		
						MD	PK		PRO	2I		
						DK	GN		PRO	1I		
322.51	333.58	11.07	GRD	MG	Moderate phyllic/propyllitic altered granodiorite hosting a few quartz/carbonate veins and a gouge zone. Interval has rubbly patches.							
						LT	GN	RB	PRO	3I		
						DK	GN					
						MD	GN		PHC	3I		
333.58	363.10	29.52	GRD	MG	Trace to weak potassic/propyllitic altered granodiorite with many patches of argillic/potassic alteration and minor weak phyllic/propyllitic envelopes around sporadic quartz/carbonate veining. Much of the argillic alteration is broken up and rubbly.							
									ARG	3I		
						MD	GY		POT	1I		
						MD	PK		PRO	2I		
						DK	GN	RB	PRO	1I		
						LT	WH		POT	2I		
363.10	373.45	10.35	GRD	MG	Moderate phyllic altered granodiorite with patchy weak propyllitic alteration and occasional patches of moderate argillic alteration. Hosts multiple quartz/carbonate/pyrite veins.							
						LT	WH		PRO	2I		
						LT	GN	PA	PHC	3I		
						DK	GN		ARG	3I		
373.45	381.42	7.97	GRD	MG	Weak to moderate propyllitic/potassic altered granodiorite with patchy weak argillic alteration and phyllic envelops around quartz/carbonate veining.							
									PHC	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
									ARG	2I		
						LT	WH		POT	2I		
						MD	PK		POT	3I		
						DK	GN		PRO	2I		
						MD	GY		PRO	3I		
381.42	386.12	4.70	GRD	MG	Western BRX vein zone. Consists of silicified moderate phyllic altered granodiorite with patchy weak propyllitic alteration. Host the bonus veins and the BRX foot wall vein along with multiple polymetallic quartz/carbonate/sulphide vein. Phyllic altered hosts trace disseminated pyrite.							
						LT	GN		PHC	3I	Py	0.1
						MD	GN		PRO	2I		
						DK	GN					
386.12	387.54	1.42	QFP	VF	Light grey/brown quartz feldspar porphyry dyke.							
						LT	BN					
						LT	GY	PO				
387.54	388.04	0.50	BXA	--	Partially gouge altered siliceous black breccia that brecciate both phyllic altered granodiorite and quartz feldspar porphyry dyke. Hosts disseminated pyrite.							
						DK	BK					
						MD	GY	BX	SIL	3I	Py	1
						DK	GY					
388.04	388.30	0.26	QFP	VF	Light grey/brown quartz feldspar porphyry dyke.							
						LT	GY	PO				
						LT	BN					
388.30	389.05	0.75	BXA	MG	Partially gouge altered gray to dark grey quartz breccia hosting disseminated to blebby pyrite, honey brown sphalerite, galena and arsenopyrite. Has clasts of gouge altered silicified phyllic altered granodiorite.							
											As	1
						LT	GY	BX	SIL	3I	Py	2
						MD	GY				Gn	1
						DK	GY				Sp	1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
389.05	390.00	0.95	GRD	MG	Silicified moderate to strongly phyllic altered granodiorite. Hosts disseminated pyirte and polymetallic quartz/sulphide vein.							
						MD	GN		PHC	4I		
						MD	GY		SIL	3I		
						LT	GY		PHC	3I	Py	1
390.00	392.15	2.15	QFP	VF	Quartz feldspar porphyry dyke with alternating patches of grey/brown and grey/purple color.							
						MD	GY					
						MD	PU					
						MD	BN					
392.15	404.47	12.32	GRD	MG	Alternating patches of weak to moderate propyllitic/potassic and argillic/propyllitic/potassic alteration. Minor phyllic halos around occasional carbonate veinlets.							
						MD	GN		POT	2I		
						DK	GN		PRO	3I		
						MD	PK		POT	3I		
									ARG	3I		
									ARG	2I		
						LT	WH	PA	PRO	2I		

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
0.00	4.50	4.50	0	0	0.00	0	--	--	--	Drill casing
4.50	5.18	0.68	0.68	100	0.00	0	--	4H	2W	
5.18	8.23	3.05	0.7	23	0.00	0	--	2H	4W	
8.23	11.28	3.05	0.77	25	0.00	0	--	2H	4W	
11.28	14.33	3.05	0.79	26	0.00	0	--	2H	4W	
14.33	17.37	3.04	2.13	70	0.00	0	--	2H	2W	
17.37	20.42	3.05	2.6	85	0.43	14	--	3H	3W	
20.42	23.47	3.05	2.38	78	0.16	5	--	2H	3W	
23.47	26.52	3.05	2.36	77	0.10	3	--	2H	3W	
26.52	29.57	3.05	1.67	55	0.11	4	--	2H	3W	
29.57	32.61	3.04	1.95	64	0.12	4	--	2H	4W	
32.61	35.66	3.05	2.17	71	0.00	0	--	2H	4W	
35.66	38.71	3.05	2.6	85	0.13	4	--	2H	4W	
38.71	41.76	3.05	2.6	85	0.00	0	--	3H	3W	
41.76	44.81	3.05	2.64	87	0.24	8	--	2H	4W	
44.81	47.85	3.04	2.57	85	0.52	17	--	3H	3W	
47.85	50.90	3.05	2	66	0.00	0	--	2H	4W	
50.90	53.95	3.05	1.77	58	0.00	0	--	2H	3W	
53.95	57.00	3.05	2.44	80	0.23	8	--	3H	2W	
57.00	60.05	3.05	1.31	43	0.24	8	--	3H	2W	
60.05	63.09	3.04	3.02	99	2.49	82	--	4H	2W	
63.09	66.14	3.05	3	98	1.88	62	--	4H	1W	
66.14	69.19	3.05	3.03	99	1.18	39	--	3H	1W	
69.19	72.24	3.05	2.96	97	1.85	61	--	3H	1W	
72.24	75.29	3.05	3.05	100	0.23	8	--	3H	1W	
75.29	78.33	3.04	3.04	100	2.32	76	--	3H	1W	
78.33	81.38	3.05	3	98	1.51	50	--	3H	1W	
81.38	84.43	3.05	3.05	100	2.37	78	--	3H	1W	
84.43	87.48	3.05	3.05	100	1.96	64	--	3H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
87.48	90.53	3.05	3.05	100	1.85	61	--	4H	1W	
90.53	93.57	3.04	3.04	100	2.11	69	--	4H	1W	
93.57	96.62	3.05	3.05	100	2.74	90	--	4H	1W	
96.62	99.67	3.05	3.05	100	2.05	67	--	4H	1W	
99.67	102.72	3.05	3.05	100	2.77	91	--	4H	1W	
102.72	105.77	3.05	3	98	1.88	62	--	4H	1W	
105.77	108.81	3.04	3.04	100	2.25	74	--	4H	1W	
108.81	111.86	3.05	3.05	100	1.86	61	--	3H	1W	
111.86	114.91	3.05	3.05	100	2.19	72	--	4H	1W	
114.91	117.96	3.05	3.05	100	1.92	63	--	3H	1W	
117.96	121.01	3.05	3	98	2.38	78	--	3H	1W	
121.01	124.05	3.04	3.04	100	2.52	83	--	3H	1W	
124.05	127.10	3.05	3.01	99	0.90	30	--	4H	1W	
127.10	130.15	3.05	3.05	100	0.91	30	--	4H	1W	
130.15	133.20	3.05	3.05	100	2.02	66	--	4H	1W	
133.20	136.25	3.05	2.98	98	2.25	74	--	4H	1W	
136.25	139.29	3.04	3.04	100	2.32	76	--	5H	1W	
139.29	142.34	3.05	2.88	94	2.69	88	--	5H	1W	
142.34	145.39	3.05	3.05	100	2.78	91	--	4H	1W	
145.39	148.44	3.05	3.05	100	2.03	67	--	4H	1W	
148.44	151.49	3.05	3.05	100	1.76	58	--	3H	1W	
151.49	154.53	3.04	3.04	100	0.78	26	--	3H	1W	
154.53	157.58	3.05	3.05	100	2.63	86	--	4H	1W	
157.58	160.63	3.05	3.02	99	2.83	93	--	4H	1W	
160.63	163.68	3.05	3.03	99	2.58	85	--	5H	1W	
163.68	166.73	3.05	3.05	100	2.34	77	--	5H	1W	
166.73	169.77	3.04	3.04	100	2.68	88	--	5H	1W	
169.77	172.82	3.05	3.05	100	2.34	77	--	4H	1W	
172.82	175.87	3.05	3.02	99	2.79	91	--	4H	1W	
175.87	178.92	3.05	3.05	100	2.93	96	--	4H	1W	
178.92	181.97	3.05	3	98	1.46	48	--	3H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
181.97	185.01	3.04	2.85	94	2.37	78	--	3H	1W	
185.01	188.06	3.05	3.05	100	2.94	96	--	3H	1W	
188.06	191.11	3.05	3.05	100	3.00	98	--	4H	1W	
191.11	194.16	3.05	3	98	2.57	84	--	5H	1W	
194.16	197.20	3.04	3.04	100	2.88	95	--	5H	1W	
197.20	200.25	3.05	3.05	100	2.67	88	--	5H	1W	
200.25	203.30	3.05	3.01	99	2.33	76	--	5H	1W	
203.30	206.35	3.05	3.03	99	2.54	83	--	5H	1W	
206.35	209.40	3.05	3.05	100	2.82	92	--	5H	1W	
209.40	212.45	3.05	3.05	100	2.81	92	--	4H	1W	
212.45	215.49	3.04	3.04	100	2.27	75	--	4H	1W	
215.49	218.54	3.05	3.05	100	2.02	66	--	3H	1W	
218.54	221.59	3.05	3.04	100	2.18	71	--	3H	1W	
221.59	224.64	3.05	3.02	99	2.56	84	--	3H	1W	
224.64	227.69	3.05	3.05	100	2.57	84	--	3H	1W	
227.69	230.73	3.04	2.97	98	1.96	64	--	3H	1W	
230.73	233.78	3.05	3	98	0.99	32	--	3H	1W	
233.78	236.83	3.05	3.03	99	2.12	70	--	3H	1W	
236.83	239.88	3.05	2.91	95	2.84	93	--	4H	1W	
239.88	242.93	3.05	3.03	99	2.12	70	--	3H	1W	
242.93	245.97	3.04	3.04	100	1.73	57	--	5H	1W	
245.97	249.02	3.05	3.05	100	1.72	56	--	5H	1W	
249.02	252.07	3.05	3.05	100	2.31	76	--	5H	1W	
252.07	255.12	3.05	3	98	2.70	89	--	4H	1W	
255.12	258.17	3.05	3.05	100	0.95	31	--	4H	1W	
258.17	261.21	3.04	3.04	100	1.94	64	--	3H	1W	
261.21	264.26	3.05	3.05	100	1.99	65	--	3H	1W	
264.26	267.31	3.05	3.05	100	2.74	90	--	4H	1W	
267.31	270.36	3.05	3.04	100	2.33	76	--	3H	1W	
270.36	273.41	3.05	3.05	100	2.44	80	--	4H	1W	
273.41	276.45	3.04	3.04	100	2.64	87	--	3H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
276.45	279.50	3.05	3.05	100	3.05	100	--	3H	1W	
279.50	282.55	3.05	3.05	100	2.49	82	--	3H	1W	
282.55	285.60	3.05	3	98	1.51	50	--	3H	1W	
285.60	288.65	3.05	2.91	95	1.33	44	--	3H	1W	
288.65	291.69	3.04	3.04	100	1.45	48	--	3H	1W	
291.69	294.74	3.05	3.01	99	2.43	80	--	3H	1W	
294.74	297.79	3.05	3.05	100	2.96	97	--	3H	1W	
297.79	300.84	3.05	2.94	96	2.54	83	--	3H	1W	
300.84	303.89	3.05	3.04	100	2.89	95	--	4H	1W	
303.89	306.93	3.04	3.04	100	2.86	94	--	3H	1W	
306.93	309.98	3.05	3.01	99	2.89	95	--	3H	1W	
309.98	313.03	3.05	3.05	100	2.69	88	--	4H	1W	
313.03	316.08	3.05	3.05	100	2.73	90	--	3H	1W	
316.08	319.13	3.05	3.05	100	2.69	88	--	4H	1W	
319.13	322.17	3.04	3.04	100	2.62	86	--	3H	1W	
322.17	325.22	3.05	2.96	97	0.90	30	--	2H	1W	
325.22	328.27	3.05	2.5	82	0.58	19	--	3H	1W	
328.27	331.32	3.05	2.61	86	0.90	30	--	3H	1W	
331.32	334.37	3.05	2.84	93	1.38	45	--	3H	1W	
334.37	337.41	3.04	3.02	99	2.55	84	--	3H	1W	
337.41	340.46	3.05	3.02	99	1.64	54	--	3H	1W	
340.46	343.51	3.05	2.97	97	0.93	30	--	3H	1W	
343.51	346.56	3.05	2.82	92	1.34	44	--	4H	1W	
346.56	349.61	3.05	2.55	84	0.81	27	--	4H	1W	
349.61	352.65	3.04	2.84	93	1.16	38	--	3H	1W	
352.65	355.70	3.05	3.03	99	1.41	46	--	3H	1W	
355.70	358.75	3.05	3.05	100	1.04	34	--	3H	1W	
358.75	361.80	3.05	2.9	95	2.75	90	--	3H	1W	
361.80	364.85	3.05	3.05	100	2.16	71	--	3H	1W	
364.85	367.89	3.04	2.96	97	2.70	89	--	3H	1W	
367.89	370.94	3.05	2.99	98	2.62	86	--	3H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
370.94	373.99	3.05	3.05	100	1.14	37	--	3H	1W	
373.99	377.04	3.05	3.05	100	2.16	71	--	3H	1W	
377.04	380.09	3.05	3.04	100	1.67	55	--	3H	1W	
380.09	383.13	3.04	3	99	2.00	66	--	3H	1W	
383.13	386.18	3.05	2.91	95	1.86	61	--	3H	1W	
386.18	389.23	3.05	3.02	99	2.23	73	--	3H	1W	
389.23	392.28	3.05	3.03	99	1.36	45	--	3H	1W	
392.28	395.33	3.05	3.05	100	2.80	92	--	3H	1W	
395.33	398.37	3.04	3	99	2.92	96	--	4H	1W	
398.37	401.42	3.05	3.05	100	2.90	95	--	3H	1W	
401.42	404.47	3.05	2.94	96	1.98	65	--	3H	1W	

KL-15-288

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
0.00	0.00	0.00	-QC-	0.00	0	K291107	☐	15-135		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K291134	☐	15-136		KL-STD6	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K291139	☐	15-136			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K291142	☐	15-136			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K291145	☐	15-136		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R499467	☐	15-140		KL-STD6	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K291098	☐	15-135			☑	☐	☐
35.66	36.55	0.89	GRD	0.89	100	K291096	☐	15-135			☐	☐	☐
36.55	37.10	0.55	GRD	0.52	95	K291097	☐	15-135			☐	☐	☐
37.10	37.42	0.32	GRD	0.32	100	K291099	☐	15-135			☐	☐	☐
37.42	38.85	1.43	GRD	1.41	99	K291100	☐	15-135			☐	☐	☐
38.85	39.22	0.37	GRD	0.37	100	K291101	☐	15-135			☐	☐	☐
39.22	42.00	2.78	GRD	2.71	97	K291102	☐	15-135			☐	☐	☐
39.22	42.00	2.78	GRD	2.71	97	K291103	☐	15-135			☐	☐	☑
42.00	42.32	0.32	GRD	0.32	100	K291104	☐	15-135			☐	☐	☐
42.32	42.90	0.58	GRD	0.53	91	K291105	☐	15-135			☐	☐	☐
55.18	55.84	0.66	MAF	0.66	100	K291106	☐	15-135			☐	☐	☐
55.84	56.19	0.35	GRD	0.35	100	K291108	☐	15-135			☐	☐	☐
56.19	56.59	0.40	GRD	0.40	100	K291109	☐	15-135			☐	☐	☐
56.59	56.89	0.30	GRD	0.30	100	K291110	☐	15-135			☐	☐	☐
56.89	58.90	2.01	GRD	1.94	97	K291111	☐	15-135			☐	☐	☐
58.90	61.09	2.19	GRD	2.08	95	K291112	☐	15-135			☐	☐	☐
61.09	61.96	0.87	GRD	0.81	93	K291113	☐	15-135			☐	☐	☐
61.96	62.55	0.59	GRD	0.59	100	K291114	☐	15-135			☐	☐	☐
62.55	62.95	0.40	GRD	0.40	100	K291115	☐	15-136			☐	☐	☐
62.95	64.17	1.22	GRD	1.22	100	K291116	☐	15-136			☐	☐	☐
64.17	64.50	0.33	GRD	0.32	97	K291117	☐	15-136			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
64.50	66.34	1.84	GRD	1.78	97	K291118	☐	15-136			☐	☐	☐
66.34	66.68	0.34	GRD	0.34	100	K291119	☐	15-136			☐	☐	☐
66.68	66.99	0.31	GRD	0.31	100	R499463	☐	15-140			☐	☐	☐
66.99	67.42	0.43	GRD	0.43	100	K291120	☐	15-136			☐	☐	☐
67.42	68.81	1.39	GRD	1.38	99	K291121	☐	15-136			☐	☐	☐
68.81	69.14	0.33	GRD	0.33	100	R499464	☐	15-140			☐	☐	☐
69.14	69.51	0.37	GRD	0.37	100	R499465	☐	15-140			☐	☐	☐
69.51	69.82	0.31	GRD	0.31	100	R499466	☐	15-140			☐	☐	☐
69.82	70.21	0.39	GRD	0.39	100	K291122	☐	15-136			☐	☐	☐
70.21	71.14	0.93	GRD	0.93	100	K291123	☐	15-136			☐	☐	☐
70.21	71.14	0.93	GRD	0.93	100	K291124	☐	15-136			☐	☐	☑
71.14	72.72	1.58	GRD	0.58	37	K291125	☐	15-136			☐	☐	☐
93.42	93.92	0.50	GRD	0.50	100	K291126	☐	15-136			☐	☐	☐
93.92	94.50	0.58	GRD	0.58	100	K291127	☐	15-136			☐	☐	☐
94.50	96.62	2.12	GRD	2.12	100	K291128	☐	15-136			☐	☐	☐
94.50	96.62	2.12	GRD	2.12	100	K291129	☐	15-136			☐	☑	☐
96.62	99.67	3.05	GRD	3.05	100	K291130	☐	15-136			☐	☐	☐
99.67	102.72	3.05	GRD	3.05	100	K291131	☐	15-136			☐	☐	☐
102.72	104.72	2.00	GRD	2.00	100	K291132	☐	15-136			☐	☐	☐
104.72	106.16	1.44	GRD	1.42	99	K291133	☐	15-136			☐	☐	☐
106.16	106.90	0.74	GRD	0.73	99	K291135	☐	15-136			☐	☐	☐
106.90	107.22	0.32	GRD	0.32	100	K291136	☐	15-136			☐	☐	☐
107.22	107.87	0.65	GRD	0.64	98	R499468	☐	15-140			☐	☐	☐
107.87	108.43	0.56	GRD	0.53	95	R499469	☐	15-140			☐	☐	☐
108.43	109.11	0.68	GRD	0.68	100	R499470	☐	15-140			☐	☐	☐
109.11	110.11	1.00	GRD	1.00	100	R499471	☐	15-140			☐	☐	☐
109.11	110.11	1.00	GRD	1.00	100	R499472	☐	15-140			☐	☐	☑
110.11	110.86	0.75	GRD	0.75	100	K291137	☐	15-136			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
110.86	111.24	0.38	GRD	0.38	100	K291138	☐	15-136			☐	☐	☐
111.24	111.92	0.68	GRD	0.66	97	K291140	☐	15-136			☐	☐	☐
111.92	112.24	0.32	GRD	0.32	100	K291141	☐	15-136			☐	☐	☐
112.24	113.25	1.01	GRD	1.01	100	K291143	☐	15-136			☐	☐	☐
113.25	113.75	0.50	GRD, GRD	0.50	100	K291144	☐	15-136			☐	☐	☐
141.53	142.03	0.50	GRD	0.50	100	K291146	☐	15-136			☐	☐	☐
142.03	142.34	0.31	GRD	0.31	100	K291147	☐	15-136			☐	☐	☐
142.34	142.84	0.50	GRD, BXA	0.50	100	K291148	☐	15-136			☐	☐	☐

Klaza - Klaza Project

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		382484	6891020	1277.38	84.43

ZONE: Tech

SECTION:

HOLE: KL-15-289

CLAIM:

Contractor: Platinum

Drill: 2

Core Size: HQ

Casing Depth:

Drilling Dates: Aug 15 - Aug 16, 2015

Geology Logged By: D. Walsh

SURVEY			
Depth (m)	Azimuth	Dip	Method

TARGET:

SUMMARY			
From (m)	To (m)	Interval (m)	Rock Type
0	1.4	1.4	CAS
1.4	4.46	3.06	BXA
4.46	31.46	27	QFP
31.46	76.76	45.3	QFP
76.76	77.66	0.9	GRD
77.66	84.43	6.77	QFP

SAMPLES	
Numbers:	
Total:	0
Batch:	
Certificates:	

COMMENTS
Water hole

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
1.40	4.46	3.06	BXA	--	Intermixed breccia(?) of silicified quartz feldspar porphyry dyke and argillic altered granodiorite. Interval is rubbly and has weak oxidation along fracture surfaces.							
						MD	GY	BX	OXI	2I		
						MD	OR		ARG	3I		
						LT	WH		OXI	3I		
4.46	30.32	25.86	QFP	VF	Silicified light to medium grey quartz feldspar porphyry dyke. Weak oxidation along fracture surfaces and patchy pervasive oxidation. Dendritic goethite along fracture surfaces. The clay phenos have been weathered out of the dyke. The dyke is pitted at the top of the interval.							
						MD	GY					
						MD	OR					
						LT	OR	PO	SIL	4I		
						LT	GY	FR	OXI	2I		
30.32	31.46	1.14	QFP	VF	Strong to intensely silicified dark grey quartz feldspar porphyry dyke. Moderate oxidation along fractures.							
						DK	GY	FR	SIL	4I		
									OXI	3I		
									SIL	5I		
31.46	76.76	45.30	QFP	FG	alternating patches of a light grey/purple and dark grey/purple quartz feldspar porphyry dyke. High abundance of white clay phenos in light portions of the dyke. Weak to strong oxidation along fracture surfaces. Oxidation intensity decreases with depth. The first ~50 of interval are bleached and gouge altered.							
						LT	GY	PO	OXI	3I		
						LT	PU		OXI	2I		
						DK	GY					
						DK	PU					
76.76	77.66	0.90	GRD	MG	Silicified moderate potassic/propyllitic altered granodiorite.							
						MD	GY		SIL	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	PK		POT	3I		
						DK	GN		PRO	3I		
77.66	84.43	6.77	QFP	VF	Strong to intensely silicified grey quartz feldspar porphyry dyke with patches of red. Highly fractures. Patchy weak gouge alteration throughout.							
						MD	GY	FR	SIL	4I		
						MD	RD		SIL	5I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
1.40	4.46	3.06	BXA	--	Intermixed breccia(?) of silicified quartz feldspar porphyry dyke and argillic altered granodiorite. Interval is rubbly and has weak oxidation along fracture surfaces.							
						MD	OR		ARG	3I		
						LT	WH		OXI	3I		
						MD	GY	BX	OXI	2I		
4.46	31.46	27.00	QFP	VF	Silicified light to medium grey quartz feldspar porphyry dyke. Weak oxidation along fracture surfaces and patchy pervasive oxidation. Dendritic goethite along fracture surfaces. The clay phenos have been weathered out of the dyke. The dyke is pitted at the top of the interval.							
						MD	OR					
						LT	GY	FR	OXI	2I		
						LT	OR	PO	SIL	4I		
						MD	GY					
31.46	76.76	45.30	QFP	FG	Alternating patches of a light grey/purple and dark grey/purple quartz feldspar porphyry dyke. High abundance of white clay phenos in light portions of the dyke. Weak to strong oxidation along fracture surfaces. Oxidation intensity decreases with depth. The first ~50 of interval are bleached and gouge altered.							
						LT	PU		OXI	2I		
						DK	GY					
						DK	PU					
						LT	GY	PO	OXI	3I		
76.76	77.66	0.90	GRD	MG	Silicified moderate potassic/propyllitic altered granodiorite.							
						MD	GY		SIL	3I		
						DK	GN		PRO	3I		
						MD	PK		POT	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
77.66	84.43	6.77	QFP	VF	Strong to intensely silicified grey quartz feldspar porphyry dyke with patches of red. Highly fractures. Patchy weak gouge alteration throughout.							
						MD	RD		SIL	5I		
						MD	GY	FR	SIL	4I		

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
0.00	1.40	1.40	0	0	0.00	0	--	--	--	
1.40	2.13	0.73	0.7	96	0.00	0	--	1H	3W	
2.13	5.18	3.05	2.77	91	0.86	28	--	3H	3W	
5.18	8.23	3.05	2.61	86	1.35	44	--	3H	2W	
8.23	11.28	3.05	2.64	87	1.36	45	--	3H	3W	
11.28	14.33	3.05	2.71	89	1.63	53	--	3H	2W	
14.33	17.37	3.04	2.54	84	1.25	41	--	3H	2W	
17.37	20.42	3.05	2.7	89	1.51	50	--	3H	2W	
20.42	23.47	3.05	2.75	90	1.68	55	--	3H	2W	
23.47	26.52	3.05	2.9	95	2.30	75	--	3H	2W	
26.52	29.57	3.05	3.05	100	2.46	81	--	3H	2W	
29.57	32.61	3.04	3.04	100	1.37	45	--	3H	2W	
32.61	35.66	3.05	3.05	100	2.15	70	--	3H	2W	
35.66	38.71	3.05	3.05	100	1.97	65	--	3H	2W	
38.71	41.76	3.05	3.05	100	1.95	64	--	3H	1W	
41.76	44.81	3.05	3.05	100	2.78	91	--	3H	2W	
44.81	47.85	3.04	3.04	100	2.16	71	--	3H	2W	
47.85	50.90	3.05	3.05	100	2.52	83	--	4H	1W	
50.90	53.95	3.05	3.05	100	2.85	93	--	4H	1W	
53.95	57.00	3.05	3.05	100	3.01	99	--	4H	1W	
57.00	60.05	3.05	3.02	99	2.45	80	--	3H	1W	
60.05	63.09	3.04	3.04	100	2.85	94	--	4H	1W	
63.09	66.14	3.05	3.02	99	2.90	95	--	3H	1W	
66.14	69.19	3.05	3.05	100	2.70	89	--	3H	1W	
69.19	72.24	3.05	3.05	100	3.02	99	--	4H	1W	
72.24	75.29	3.05	3.05	100	3.02	99	--	3H	1W	
75.29	78.33	3.04	3.04	100	2.19	72	--	3H	1W	
78.33	81.38	3.05	3.05	100	1.21	40	--	3H	1W	
81.38	84.43	3.05	3.05	100	1.40	46	--	3H	1W	

Klaza - Klaza Project

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		383059	6890592	1301.86	33.22

ZONE: Tech

SECTION:

HOLE: KL-15-290

CLAIM:

Contractor: Platinum

Drill: 2

Core Size: HQ

Casing Depth:

Drilling Dates: Aug 16 - Aug 17, 2015

Geology Logged By: D. Walsh

SURVEY			
Depth (m)	Azimuth	Dip	Method

TARGET:

SUMMARY			
From (m)	To (m)	Interval (m)	Rock Type
0	4.36	4.36	CAS
4.36	14.6	10.24	GRD
14.6	26.71	12.11	GRD
26.71	33.22	6.51	GRD

SAMPLES	
Numbers:	
Total:	0
Batch:	
Certificates:	

COMMENTS
Water Hole

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
4.36	14.60	10.24	GRD	MG	Pervasively oxidized alternating patches of moderate phyllic alteration and moderate argillic alteration. Argillic patches are rubbly and broken up.							
						MD	OR	PA	PHC	3I		
						MD	GN					
						LT	GN	RB	ARG	3I		
14.60	26.71	12.11	GRD	MG	Moderate phyllic altered granodiorite with patchy weak to moderate propyllitic alteration. Moderate oxidation along fracture surfaces and patchy pervasive oxidation.							
						MD	GN	PA	OXI	3I		
						MD	OR		PRO	2I		
						DK	GN		PHC	3I		
									PRO	3I		
26.71	33.22	6.51	GRD	MG	Trace to weak potassic/propyllitic altered granodiorite.							
						MD	PK		POT	2I		
						MD	GY		PRO	1I		
						DK	GN		PRO	2I		
									POT	1I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
4.36	14.60	10.24	GRD	MG	Pervasively oxidized alternating patches of moderate phyllic alteration and moderate argillic alteration. Argillic patches are rubbly and broken up.							
						MD	GN					
						LT	GN	RB	ARG	3I		
						MD	OR	PA	PHC	3I		
14.60	26.71	12.11	GRD	MG	Moderate phyllic altered granodiorite with patchy weak to moderate propyllitic alteration. Moderate oxidation along fracture surfaces and patchy pervasive oxidation.							
									PRO	3I		
						MD	OR		PRO	2I		
						DK	GN		PHC	3I		
						MD	GN	PA	OXI	3I		
26.71	33.22	6.51	GRD	MG	Trace to weak potassic/propyllitic altered granodiorite.							
									POT	1I		
						MD	PK		POT	2I		
						DK	GN		PRO	2I		
						MD	GY		PRO	1I		

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
0.00	4.36	4.36	0	0	0.00	0	--	--	--	Drill Casing
4.36	5.18	0.82	0.82	100	0.20	24	--	3H	3W	
5.18	8.22	3.04	2.05	67	0.56	18	--	3H	3W	
8.22	11.89	3.67	2.68	73	1.41	38	--	3H	3W	
11.89	14.94	3.05	2.62	86	1.42	47	--	3H	2W	
14.94	17.98	3.04	3.04	100	2.29	75	--	3H	2W	
17.98	21.03	3.05	2.94	96	2.30	75	--	3H	2W	
21.03	24.08	3.05	3.05	100	2.33	76	--	3H	2W	
24.08	27.13	3.05	3.02	99	2.68	88	--	4H	2W	
27.13	30.18	3.05	3.05	100	2.31	76	--	4H	1W	
30.18	33.22	3.04	3.04	100	2.78	91	--	5H	1W	

Klaza - Klaza Project

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		381483	6889977	1271.2	404.47

ZONE: Western BRX

SECTION: BRX 9+250

HOLE: KL-15-291

CLAIM:

Contractor: Platinum

Drill: 1

Core Size: HQ-NQ2

Casing Depth: 4.5m, Out

Drilling Dates: Aug 16 - Aug 20, 2015

Geology Logged By: T. Cruz

SURVEY			
Depth (m)	Azimuth	Dip	Method
2.13	28.4	-51.1	Reflex
404.46	42.8	-48.8	Reflex

TARGET:

SUMMARY			
From (m)	To (m)	Interval (m)	Rock Type
0	4.5	4.5	CAS
4.5	5.18	0.68	VOL
5.18	53.7	48.52	GRD
53.7	60.05	6.35	GRD
60.05	70.79	10.74	GRD
70.79	75.44	4.65	GRD
75.44	115.28	39.84	GRD
115.28	122	6.72	GRD
122	214.82	92.82	GRD
214.82	220.5	5.68	GRD
220.5	281.2	60.7	GRD
281.2	298.75	17.55	GRD
298.75	322.51	23.76	GRD
322.51	333.58	11.07	GRD
333.58	363.1	29.52	GRD
363.1	373.45	10.35	GRD

SAMPLES	
Numbers:	K291273 to K291350, R499473 to R499476
Total:	82
Batch:	134, 137, 139, 140
Certificates:	WH15127538, WH15127591, WH15127599, WH15127601, WH15127604

COMMENTS
Reduced 140.14m

373.45	381.42	7.97	GRD
381.42	386.12	4.7	GRD
386.12	387.54	1.42	QFP
387.54	388.04	0.5	BXA
388.04	388.3	0.26	QFP
388.3	389.05	0.75	BXA
389.05	390	0.95	GRD
390	392.15	2.15	QFP
392.15	404.47	12.32	GRD

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
4.50	5.18	0.68	VOL	FG	Mafic magnetic dyke. Highly fractured with oxidation occuring along fracture/joing faces.							
						LT	BK	RB				
						DK	GY	AN				
5.18	33.08	27.90	GRD	MG	Extremely rubbly alternating patches of highly weathered unaltered granodiorite to argillic altered granodiorite. Both types of granodiorite are very incompetent, and display pervasive oxidation throughout much of the interval. Occasional goethite staining is present along both fracture/joint faces, and within rubble zones. Colour varies from deep orange (extremely weathered+rubbly) to brown.							
						MD	OR	FR	ARG	3I		
						MD	BN					
						LT	OR		OXI	4I		
						LT	BN					
						DK	OR	RB	ARG	2I	Go	2
						DK	BN		OXI	5I		
33.08	43.28	10.20	GRD	MG	Intensely weathered and highly fractured rubble zone of pervasively oxidized argillic +- phyllic? Altered granodiorite. Deep orange colour along with goethite staining potentially indicate an oxidized/weathered zone of alteration.							
						MD	OR	FR	OXI	5I		
						MD	BN		ARG	2I		
						LT	OR	RB	OXI	4I		
									ARG	3I		
43.28	53.70	10.42	GRD	MG	Highly fractured rubbly zone of unaltered to argillic altered granodiorite. Interval displays moderate to high oxidation with pervasive oxidation occuring in rubbly sections of interval. Goethite staining is present within both rubbly and competent core. Core is ~40% competent, with the rest highly fractured and rubbly.							
						MD	OR	RB	ARG	2I	Go	2
						MD	BN		OXI	4I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	OR	FR	ARG	3I		
						LT	BN					
53.70	60.05	6.35	GRD	MG	Unaltered granodiorite with brown patches weathered rubble. Granodiorite is highly fractured and broken up. Trace to weak oxidation along fracture surfaces.							
						MD	GY	RB	OXI	1I		
						MD	BN		OXI	2I		
60.05	70.79	10.74	GRD	MG	Unaltered granodiorite with weak to moderate oxidation along fractures.							
						MD	GY		OXI	2I		
						MD	OR		OXI	3I		
70.79	75.44	4.65	GRD	MG	Moderate phyllic and weakly propyllitic altered granodiorite. Hosts a few quartz/sulphide+/- sulphide veins. Patches of minor gouge alteration.							
						MD	GN		PRO	2I		
						LT	GN		PHC	3I		
75.44	79.64	4.20	GRD	MG	Trace to weak potassic/propyllitic altered granodiorite with minor phyllic/propyllitic envelopes around occasional quartz/carbonate veining.							
						MD	GY		PRO	1I		
						MD	GN		PRO	2I		
						MD	PK		POT	1I		
						DK	GN		POT	2I		
79.64	85.27	5.63	GRD	MG	Alternating patches of potassic/argillic/propyllitic alteration and phyllic alteration hosting a few carbonate veins.							
						MD	PK		POT	3I		
						LT	WH	PA	ARG	3I		
						LT	GN		PHC	3I		
						DK	GN		PRO	3I		
85.27	102.09	16.82	GRD	MG	Trace to weak potassic/propyllitic altered granodiorite with minor phyllic/propyllitic envelopes around occasional quartz/carbonate veining.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GY		PRO	1I		
						MD	GN		PRO	2I		
						MD	PK		POT	1I		
						DK	GN		POT	2I		
102.09	102.72	0.63	GRD	MG	Moderate phyllic envelope around a banded quartz/carbonate/sulphide vein.							
						MD	GN	EN	PHC	3I		
						LT	GN					
102.72	115.28	12.56	GRD	MG	Trace to weak potassic/propyllitic altered granodiorite with minor phyllic/propyllitic envelopes around occasional quartz/carbonate veining.							
						MD	GY		PRO	1I		
						MD	GN		PRO	2I		
						MD	PK		POT	1I		
						DK	GN		POT	2I		
115.28	122.00	6.72	GRD	MG	Silicified weak phyllic/argillic altered granodiorite.							
						MD	GN		PHC	2I		
						LT	GN		SIL	3I		
									ARG	2I		
122.00	145.00	23.00	GRD	MG	Unaltered granodiorite with minor phyllic/propyllitic envelopes around occasional quartz/carbonate veining.							
						MD	GY					
145.00	146.29	1.29	GRD	MG	Moderate phyllic altered granodiorite with patchy weak propyllitic alteration. Hosts multiple carbonate+/-quartz veins/veinlets.							
						MD	GN	EN	PHC	3I		
						LT	GN		PRO	2I		
						DK	GN					
146.29	150.28	3.99	GRD	MG	Unaltered granodiorite.							
						MD	GY					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
150.28	151.45	1.17	GRD	MG	Moderate propyllitic altered granodiorite.							
						DK	GN		PRO	3I		
151.45	174.66	23.21	GRD	MG	Unaltered granodiorite with minor phyllic/propyllitic envelopes around occasional quartz/carbonate veining.							
						MD	GY					
174.66	175.83	1.17	GRD	MG	Moderate argillic/potassic altered granodiorite with minor weak phyllic envelopes around quartz/carbonate veining.							
						MD	PK		POT	3I		
						LT	GN		PHC	2I		
						LT	WH		ARG	3I		
175.83	179.45	3.62	GRD	MG	Unaltered granodiorite.							
						MD	GY					
179.45	187.00	7.55	GRD	MG	Moderate phyllic/propyllitic altered granodiorite with patchy argillic/potassic. Hosts a large quartz/carbonate/sulphide vein multiple quartz/carbonate veins throughout.							
						MD	GN		PHC	3I		
						MD	PK					
						LT	GN		PRO	3I		
						LT	WH		POT	3I		
						DK	GN		ARG	3I		
187.00	214.82	27.82	GRD	MG	Unaltered granodiorite with minor phyllic/propyllitic envelopes around occasional quartz/carbonate veining.							
						MD	GY					
214.82	220.50	5.68	GRD	MG	Moderate phyllic/propyllitic altered granodiorite. Hosts multiple quartz/carbonate/sulphide veins.							
						MD	GN		PRO	3I		
						LT	GN		PHC	3I		
						DK	GN					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
220.50	225.64	5.14	GRD	MG	Trace to weak potassic/propyllitic altered granodiorite with occasional patches of argillic/potassic alteration throughout.							
						MD	GY		PRO	2I		
						MD	PK		PRO	1I		
						DK	GN		POT	1I		
									POT	2I		
225.64	226.29	0.65	GRD	MG	Moderate phyllic/propyllitic envelope hosting a quartz/carbonate/sulphide vein							
						MD	GN	EN	PRO	3I		
						DK	GN		PHC	3I		
226.29	239.76	13.47	GRD	MG	Trace to weak potassic/propyllitic altered granodiorite with occasional patches of argillic/potassic alteration throughout.							
						MD	PK		PRO	1I		
						MD	GY		PRO	2I		
						DK	GN		POT	1I		
									POT	2I		
239.76	242.85	3.09	GRD	MG	Moderate phyllic/weak propyllitic alteration around quartz/carbonate veining. Transitions to distal argillic/potassic/propyllitic alteration away from veining.							
						MD	GN	EN	PHC	3I		
						MD	PK					
						LT	WH		POT	3I		
						LT	GN		PRO	2I		
						DK	GN		ARG	3I		
242.85	253.95	11.10	GRD	MG	Trace to weak potassic/propyllitic altered granodiorite with occasional patches of argillic/potassic alteration throughout.							
						MD	PK		PRO	1I		
						MD	GY		PRO	2I		
						DK	GN		POT	1I		
									POT	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
253.95	255.12	1.17	GRD	MG	Proximal phyllic/propyllitic envelope around a quartz/carbonate vein with a distal potassic argillic halo.							
						MD	GN		PHC	3I		
						MD	PK					
						LT	GN	EN	PRO	3I		
						LT	WH		POT	3I		
						DK	GN		ARG	3I		
255.12	259.50	4.38	GRD	MG	Trace to weak potassic/propyllitic altered granodiorite.							
						MD	PK		PRO	1I		
						MD	GY		PRO	2I		
						DK	GN		POT	1I		
									POT	2I		
259.50	264.50	5.00	GRD	MG	Silicified moderately phyllic/propyllitic altered granodiorite. Hosts patchy gouge alteration and a few quartz/carbonate veins.							
						MD	GN		PHC	3I		
						LT	GN		PRO	3I		
						DK	GN					
264.50	274.09	9.59	GRD	MG	Trace to weak potassic/propyllitic altered granodiorite.							
						MD	PK		PRO	1I		
						MD	GY		PRO	2I		
						DK	GN		POT	1I		
									POT	2I		
274.09	281.20	7.11	GRD	MG	Weak to moderate argillic/potassic altered granodiorite with a patchy weak propyllitic overprint. Has small patches of trace to weak potassic/propyllitic altered granodiorite.							
						MD	PK		ARG	2I		
						MD	GY		POT	2I		
						LT	WH	PA	ARG	3I		
						DK	GN		PRO	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
									POT	3I		
281.20	298.75	17.55	GRD	MG	Moderate phyllic/propyllitic altered granodiorite. Hosts multiple patches of gouge alteration and a few quartz/carbonate veins.							
						MD	GN		PRO	3I		
						LT	GN		PHC	3I		
						DK	GN					
298.75	304.86	6.11	GRD	MG	Trace to weak potassic/propyllitic altered granodiorite with minor weak phyllic envelopes around sporadic quartz/carbonate veining.							
						MD	PK		PRO	2I		
						MD	GY		POT	1I		
						DK	GN		PRO	1I		
									POT	2I		
304.86	307.26	2.40	GRD	MG	Moderate argillic/potassic altered granodiorite with small weak phyllic envelopes around quartz/carbonate veinlets.							
						MD	PK		POT	3I		
						MD	GN					
						LT	WH		ARG	3I		
307.26	322.51	15.25	GRD	MG	Trace to weak potassic/propyllitic altered granodiorite with occasional patches of argillic/potassic alteration and minor weak phyllic envelopes around sporadic quartz/carbonate veining.							
						MD	GY		POT	1I		
						MD	PK		PRO	2I		
						DK	GN		PRO	1I		
									POT	2I		
322.51	326.89	4.38	GRD	MG	Moderate phyllic/propyllitic altered granodiorite hosting a few quartz/carbonate veins and a gouge zone. Interval has rubbly patches.							
						MD	GN		PHC	3I		
						LT	GN	RB	PRO	3I		
						DK	GN					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
326.89	329.58	2.69	GRD	MG	Patchy weak to moderate argillic, propyllitic and potassic alterations.							
						MD	PK		PRO	3I		
						LT	WH	PA	PRO	2I		
						DK	GN		POT	2I		
									ARG	3I		
									POT	3I		
									ARG	2I		
333.58	363.10	29.52	GRD	MG	Trace to weak potassic/propyllitic altered granodiorite with many patches of argillic/potassic alteration and minor weak phyllic/propyllitic envelopes around sporadic quartz/carbonate veining. Much of the argillic alteration is broken up and rubbly.							
						MD	GY		POT	1I		
						MD	PK		PRO	2I		
						LT	WH		POT	2I		
						DK	GN	RB	PRO	1I		
									ARG	3I		
363.10	370.55	7.45	GRD	MG	Moderate phyllic altered granodiorite with patchy weak propyllitic alteration and occasional patches of moderate argillic alteration. Hosts multiple quartz/carbonate/pyrite veins.							
						LT	GN	PA	PHC	3I		
						LT	WH		PRO	2I		
						DK	GN		ARG	3I		
371.52	373.45	1.93	GRD	MG	Moderate phyllic altered granodiorite with patchy weak propyllitic alteration and occasional patches of moderate argillic alteration. Hosts multiple quartz/carbonate/pyrite veins.							
						LT	WH		PRO	2I		
						LT	GN		PHC	3I		
						DK	GN		ARG	3I		
373.45	381.42	7.97	GRD	MG	Weak to moderate propyllitic/potassic altered granodiorite with patchy weak argillic alteration and phyllic envelops around quartz/carbonate veining.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	PK		POT	3I		
						MD	GY		PRO	3I		
						LT	WH		POT	2I		
						DK	GN		PRO	2I		
									ARG	2I		
									PHC	3I		
381.42	386.12	4.70	GRD	MG	Western BRX vein zone. Consists of silicified moderate phyllic altered granodiorite with patchy weak propyllitic alteration. Host the bonus veins and the BRX foot wall vein along with multiple polymetallic quartz/carbonate/sulphide vein. Phyllic altered hosts trace disseminated pyrite.							
						MD	GN		PRO	2I		
						LT	GN		PHC	3I	Py	0.1
						DK	GN					
386.12	387.54	1.42	QFP	VF	Light grey/brown quartz feldspar porphyry dyke.							
								PO				
387.54	388.04	0.50	BXA	--	Partially gouge altered siliceous black breccia that brecciate both phyllic altered granodiorite and quartz feldspar porphyry dyke. Hosts disseminated pyrite.							
						MD	GY	BX	SIL	3I	Py	1
						DK	GY					
						DK	BK					
388.04	388.30	0.26	QFP	VF	Light grey/brown quartz feldspar porphyry dyke.							
						LT	GY	PO				
						LT	BN					
388.30	389.05	0.75	BXA	MG	Partially gouge altered gray to dark grey quartz breccia hosting disseminated to blebby pyrite, honey brown sphalerite, galena and arsenopyrite. Has clasts of gouge altered silicified phyllic altered granodiorite.							
						MD	GY				Gn	1
						LT	GY	BX	SIL	3I	Py	2
						DK	GY				Sp	1
											As	1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
389.05	390.00	0.95	GRD	MG	Silicified moderate to strongly phyllic altered granodiorite. Hosts disseminated pyirte and polymetallic quartz/sulphide vein.							
						MD	GY		SIL	3I		
						MD	GN		PHC	4I		
						LT	GY		PHC	3I	Py	1
390.00	392.15	2.15	QFP	VF	Quartz feldspar porphyry dyke with alternating patches of grey/brown and grey/purple color.							
						MD	GY					
						MD	PU					
						MD	BN					
392.15	404.47	12.32	GRD	MG	Alternating patches of weak to moderate propyllitic/potassic and argillic/propyllitic/potassic alteration. Minor phyllic halos around occasional carbonate veinlets.							
						MD	GN		POT	2I		
						MD	PK		POT	3I		
						LT	WH	PA	PRO	2I		
						DK	GN		PRO	3I		
									ARG	2I		
									ARG	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
4.50	5.18	0.68	VOL	FG	Mafic magnetic dyke. Highly fractured with oxidation occuring along fracture/joing faces.							
						DK	GY	AN				
						LT	BK	RB				
5.18	53.70	48.52	GRD	MG	Extremely rubbly alternating patches of highly weathered unaltered granodiorite to argillic altered granodiorite. Both types of granodiorite are very incompetent, and display pervasive oxidation throughout much of the interval. Occasional goethite staining is present along both fracture/joint faces, and within rubble zones. Colour varies from deep orange (extremely weathered+rubbly) to brown.							
						DK	OR	RB	ARG	2I	Go	5
						MD	OR	FR	ARG	3I		
						LT	OR		OXI	4I		
						DK	BN		OXI	5I		
						MD	BN					
						LT	BN					
53.70	60.05	6.35	GRD	MG	Unaltered granodiorite with brown patches weathered rubble. Granodiorite is highly fractured and broken up. Trace to weak oxidation along fracture surfaces.							
						MD	GY	RB	OXI	1I		
						MD	BN		OXI	2I		
60.05	70.79	10.74	GRD	MG	Unaltered granodiorite with weak to moderate oxidation along fractures.							
						MD	OR		OXI	3I		
						MD	GY		OXI	2I		
70.79	75.44	4.65	GRD	MG	Moderate phyllic and weakly propyllitic altered granodiorite. Hosts a few quartz/sulphide+/-sulphide veins. Patches of minor gouge alteration.							
						LT	GN		PHC	3I		
						MD	GN		PRO	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
75.44	115.28	39.84	GRD	MG	Trace to weak potassic/propyllitic altered granodiorite with minor phyllic/propyllitic envelopes around occasional quartz/carbonate veining.							
						MD	GY		PRO	1I		
						MD	GN		PRO	2I		
						MD	PK		POT	1I		
						DK	GN		POT	2I		
115.28	122.00	6.72	GRD	MG	Silicified weak phyllic/argillic altered granodiorite.							
						LT	GN		SIL	3I		
						MD	GN		PHC	2I		
									ARG	2I		
122.00	214.82	92.82	GRD	MG	Unaltered granodiorite with minor phyllic/propyllitic envelopes around occasional quartz/carbonate veining.							
						MD	GY					
214.82	220.50	5.68	GRD	MG	Moderate phyllic/propyllitic altered granodiorite. Hosts multiple quartz/carbonate/sulphide veins.							
						DK	GN					
						MD	GN		PRO	3I		
						LT	GN		PHC	3I		
220.50	281.20	60.70	GRD	MG	Trace to weak potassic/propyllitic altered granodiorite with occasional patches of argillic/potassic alteration throughout.							
									POT	2I		
						MD	GY		PRO	2I		
						DK	GN		POT	1I		
						MD	PK		PRO	1I		
281.20	298.75	17.55	GRD	MG	Moderate phyllic/propyllitic altered granodiorite. Hosts multiple patches of gouge alteration and a few quartz/carbonate veins.							
						MD	GN		PRO	3I		
						LT	GN		PHC	3I		
						DK	GN					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
298.75	322.51	23.76	GRD	MG	Trace to weak potassic/propyllitic altered granodiorite with occasional patches of argillic/potassic alteration and minor weak phyllic envelopes around sporadic quartz/carbonate veining.							
						LT	GN		POT	2I		
						MD	GY		POT	1I		
						MD	PK		PRO	2I		
						DK	GN		PRO	1I		
322.51	333.58	11.07	GRD	MG	Moderate phyllic/propyllitic altered granodiorite hosting a few quartz/carbonate veins and a gouge zone. Interval has rubbly patches.							
						LT	GN	RB	PRO	3I		
						DK	GN					
						MD	GN		PHC	3I		
333.58	363.10	29.52	GRD	MG	Trace to weak potassic/propyllitic altered granodiorite with many patches of argillic/potassic alteration and minor weak phyllic/propyllitic envelopes around sporadic quartz/carbonate veining. Much of the argillic alteration is broken up and rubbly.							
									ARG	3I		
						MD	GY		POT	1I		
						MD	PK		PRO	2I		
						DK	GN	RB	PRO	1I		
						LT	WH		POT	2I		
363.10	373.45	10.35	GRD	MG	Moderate phyllic altered granodiorite with patchy weak propyllitic alteration and occasional patches of moderate argillic alteration. Hosts multiple quartz/carbonate/pyrite veins.							
						LT	WH		PRO	2I		
						LT	GN	PA	PHC	3I		
						DK	GN		ARG	3I		
373.45	381.42	7.97	GRD	MG	Weak to moderate propyllitic/potassic altered granodiorite with patchy weak argillic alteration and phyllic envelops around quartz/carbonate veining.							
									PHC	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
									ARG	2I		
						LT	WH		POT	2I		
						MD	PK		POT	3I		
						DK	GN		PRO	2I		
						MD	GY		PRO	3I		
381.42	386.12	4.70	GRD	MG	Western BRX vein zone. Consists of silicified moderate phyllic altered granodiorite with patchy weak propyllitic alteration. Host the bonus veins and the BRX foot wall vein along with multiple polymetallic quartz/carbonate/sulphide vein. Phyllic altered hosts trace disseminated pyrite.							
						LT	GN		PHC	3I	Py	0.1
						MD	GN		PRO	2I		
						DK	GN					
386.12	387.54	1.42	QFP	VF	Light grey/brown quartz feldspar porphyry dyke.							
						LT	BN					
						LT	GY	PO				
387.54	388.04	0.50	BXA	--	Partially gouge altered siliceous black breccia that brecciate both phyllic altered granodiorite and quartz feldspar porphyry dyke. Hosts disseminated pyrite.							
						DK	BK					
						MD	GY	BX	SIL	3I	Py	1
						DK	GY					
388.04	388.30	0.26	QFP	VF	Light grey/brown quartz feldspar porphyry dyke.							
						LT	GY	PO				
						LT	BN					
388.30	389.05	0.75	BXA	MG	Partially gouge altered gray to dark grey quartz breccia hosting disseminated to blebby pyrite, honey brown sphalerite, galena and arsenopyrite. Has clasts of gouge altered silicified phyllic altered granodiorite.							
											As	1
						LT	GY	BX	SIL	3I	Py	2
						MD	GY				Gn	1
						DK	GY				Sp	1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
389.05	390.00	0.95	GRD	MG	Silicified moderate to strongly phyllic altered granodiorite. Hosts disseminated pyirte and polymetallic quartz/sulphide vein.							
						MD	GN		PHC	4I		
						MD	GY		SIL	3I		
						LT	GY		PHC	3I	Py	1
390.00	392.15	2.15	QFP	VF	Quartz feldspar porphyry dyke with alternating patches of grey/brown and grey/purple color.							
						MD	GY					
						MD	PU					
						MD	BN					
392.15	404.47	12.32	GRD	MG	Alternating patches of weak to moderate propyllitic/potassic and argillic/propyllitic/potassic alteration. Minor phyllic halos around occasional carbonate veinlets.							
						MD	GN		POT	2I		
						DK	GN		PRO	3I		
						MD	PK		POT	3I		
									ARG	3I		
									ARG	2I		
						LT	WH	PA	PRO	2I		

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
0.00	4.50	4.50	0	0	0.00	0	--	--	--	Drill casing
4.50	5.18	0.68	0.68	100	0.00	0	--	4H	2W	
5.18	8.23	3.05	0.7	23	0.00	0	--	2H	4W	
8.23	11.28	3.05	0.77	25	0.00	0	--	2H	4W	
11.28	14.33	3.05	0.79	26	0.00	0	--	2H	4W	
14.33	17.37	3.04	2.13	70	0.00	0	--	2H	2W	
17.37	20.42	3.05	2.6	85	0.43	14	--	3H	3W	
20.42	23.47	3.05	2.38	78	0.16	5	--	2H	3W	
23.47	26.52	3.05	2.36	77	0.10	3	--	2H	3W	
26.52	29.57	3.05	1.67	55	0.11	4	--	2H	3W	
29.57	32.61	3.04	1.95	64	0.12	4	--	2H	4W	
32.61	35.66	3.05	2.17	71	0.00	0	--	2H	4W	
35.66	38.71	3.05	2.6	85	0.13	4	--	2H	4W	
38.71	41.76	3.05	2.6	85	0.00	0	--	3H	3W	
41.76	44.81	3.05	2.64	87	0.24	8	--	2H	4W	
44.81	47.85	3.04	2.57	85	0.52	17	--	3H	3W	
47.85	50.90	3.05	2	66	0.00	0	--	2H	4W	
50.90	53.95	3.05	1.77	58	0.00	0	--	2H	3W	
53.95	57.00	3.05	2.44	80	0.23	8	--	3H	2W	
57.00	60.05	3.05	1.31	43	0.24	8	--	3H	2W	
60.05	63.09	3.04	3.02	99	2.49	82	--	4H	2W	
63.09	66.14	3.05	3	98	1.88	62	--	4H	1W	
66.14	69.19	3.05	3.03	99	1.18	39	--	3H	1W	
69.19	72.24	3.05	2.96	97	1.85	61	--	3H	1W	
72.24	75.29	3.05	3.05	100	0.23	8	--	3H	1W	
75.29	78.33	3.04	3.04	100	2.32	76	--	3H	1W	
78.33	81.38	3.05	3	98	1.51	50	--	3H	1W	
81.38	84.43	3.05	3.05	100	2.37	78	--	3H	1W	
84.43	87.48	3.05	3.05	100	1.96	64	--	3H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
87.48	90.53	3.05	3.05	100	1.85	61	--	4H	1W	
90.53	93.57	3.04	3.04	100	2.11	69	--	4H	1W	
93.57	96.62	3.05	3.05	100	2.74	90	--	4H	1W	
96.62	99.67	3.05	3.05	100	2.05	67	--	4H	1W	
99.67	102.72	3.05	3.05	100	2.77	91	--	4H	1W	
102.72	105.77	3.05	3	98	1.88	62	--	4H	1W	
105.77	108.81	3.04	3.04	100	2.25	74	--	4H	1W	
108.81	111.86	3.05	3.05	100	1.86	61	--	3H	1W	
111.86	114.91	3.05	3.05	100	2.19	72	--	4H	1W	
114.91	117.96	3.05	3.05	100	1.92	63	--	3H	1W	
117.96	121.01	3.05	3	98	2.38	78	--	3H	1W	
121.01	124.05	3.04	3.04	100	2.52	83	--	3H	1W	
124.05	127.10	3.05	3.01	99	0.90	30	--	4H	1W	
127.10	130.15	3.05	3.05	100	0.91	30	--	4H	1W	
130.15	133.20	3.05	3.05	100	2.02	66	--	4H	1W	
133.20	136.25	3.05	2.98	98	2.25	74	--	4H	1W	
136.25	139.29	3.04	3.04	100	2.32	76	--	5H	1W	
139.29	142.34	3.05	2.88	94	2.69	88	--	5H	1W	
142.34	145.39	3.05	3.05	100	2.78	91	--	4H	1W	
145.39	148.44	3.05	3.05	100	2.03	67	--	4H	1W	
148.44	151.49	3.05	3.05	100	1.76	58	--	3H	1W	
151.49	154.53	3.04	3.04	100	0.78	26	--	3H	1W	
154.53	157.58	3.05	3.05	100	2.63	86	--	4H	1W	
157.58	160.63	3.05	3.02	99	2.83	93	--	4H	1W	
160.63	163.68	3.05	3.03	99	2.58	85	--	5H	1W	
163.68	166.73	3.05	3.05	100	2.34	77	--	5H	1W	
166.73	169.77	3.04	3.04	100	2.68	88	--	5H	1W	
169.77	172.82	3.05	3.05	100	2.34	77	--	4H	1W	
172.82	175.87	3.05	3.02	99	2.79	91	--	4H	1W	
175.87	178.92	3.05	3.05	100	2.93	96	--	4H	1W	
178.92	181.97	3.05	3	98	1.46	48	--	3H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
181.97	185.01	3.04	2.85	94	2.37	78	--	3H	1W	
185.01	188.06	3.05	3.05	100	2.94	96	--	3H	1W	
188.06	191.11	3.05	3.05	100	3.00	98	--	4H	1W	
191.11	194.16	3.05	3	98	2.57	84	--	5H	1W	
194.16	197.20	3.04	3.04	100	2.88	95	--	5H	1W	
197.20	200.25	3.05	3.05	100	2.67	88	--	5H	1W	
200.25	203.30	3.05	3.01	99	2.33	76	--	5H	1W	
203.30	206.35	3.05	3.03	99	2.54	83	--	5H	1W	
206.35	209.40	3.05	3.05	100	2.82	92	--	5H	1W	
209.40	212.45	3.05	3.05	100	2.81	92	--	4H	1W	
212.45	215.49	3.04	3.04	100	2.27	75	--	4H	1W	
215.49	218.54	3.05	3.05	100	2.02	66	--	3H	1W	
218.54	221.59	3.05	3.04	100	2.18	71	--	3H	1W	
221.59	224.64	3.05	3.02	99	2.56	84	--	3H	1W	
224.64	227.69	3.05	3.05	100	2.57	84	--	3H	1W	
227.69	230.73	3.04	2.97	98	1.96	64	--	3H	1W	
230.73	233.78	3.05	3	98	0.99	32	--	3H	1W	
233.78	236.83	3.05	3.03	99	2.12	70	--	3H	1W	
236.83	239.88	3.05	2.91	95	2.84	93	--	4H	1W	
239.88	242.93	3.05	3.03	99	2.12	70	--	3H	1W	
242.93	245.97	3.04	3.04	100	1.73	57	--	5H	1W	
245.97	249.02	3.05	3.05	100	1.72	56	--	5H	1W	
249.02	252.07	3.05	3.05	100	2.31	76	--	5H	1W	
252.07	255.12	3.05	3	98	2.70	89	--	4H	1W	
255.12	258.17	3.05	3.05	100	0.95	31	--	4H	1W	
258.17	261.21	3.04	3.04	100	1.94	64	--	3H	1W	
261.21	264.26	3.05	3.05	100	1.99	65	--	3H	1W	
264.26	267.31	3.05	3.05	100	2.74	90	--	4H	1W	
267.31	270.36	3.05	3.04	100	2.33	76	--	3H	1W	
270.36	273.41	3.05	3.05	100	2.44	80	--	4H	1W	
273.41	276.45	3.04	3.04	100	2.64	87	--	3H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
276.45	279.50	3.05	3.05	100	3.05	100	--	3H	1W	
279.50	282.55	3.05	3.05	100	2.49	82	--	3H	1W	
282.55	285.60	3.05	3	98	1.51	50	--	3H	1W	
285.60	288.65	3.05	2.91	95	1.33	44	--	3H	1W	
288.65	291.69	3.04	3.04	100	1.45	48	--	3H	1W	
291.69	294.74	3.05	3.01	99	2.43	80	--	3H	1W	
294.74	297.79	3.05	3.05	100	2.96	97	--	3H	1W	
297.79	300.84	3.05	2.94	96	2.54	83	--	3H	1W	
300.84	303.89	3.05	3.04	100	2.89	95	--	4H	1W	
303.89	306.93	3.04	3.04	100	2.86	94	--	3H	1W	
306.93	309.98	3.05	3.01	99	2.89	95	--	3H	1W	
309.98	313.03	3.05	3.05	100	2.69	88	--	4H	1W	
313.03	316.08	3.05	3.05	100	2.73	90	--	3H	1W	
316.08	319.13	3.05	3.05	100	2.69	88	--	4H	1W	
319.13	322.17	3.04	3.04	100	2.62	86	--	3H	1W	
322.17	325.22	3.05	2.96	97	0.90	30	--	2H	1W	
325.22	328.27	3.05	2.5	82	0.58	19	--	3H	1W	
328.27	331.32	3.05	2.61	86	0.90	30	--	3H	1W	
331.32	334.37	3.05	2.84	93	1.38	45	--	3H	1W	
334.37	337.41	3.04	3.02	99	2.55	84	--	3H	1W	
337.41	340.46	3.05	3.02	99	1.64	54	--	3H	1W	
340.46	343.51	3.05	2.97	97	0.93	30	--	3H	1W	
343.51	346.56	3.05	2.82	92	1.34	44	--	4H	1W	
346.56	349.61	3.05	2.55	84	0.81	27	--	4H	1W	
349.61	352.65	3.04	2.84	93	1.16	38	--	3H	1W	
352.65	355.70	3.05	3.03	99	1.41	46	--	3H	1W	
355.70	358.75	3.05	3.05	100	1.04	34	--	3H	1W	
358.75	361.80	3.05	2.9	95	2.75	90	--	3H	1W	
361.80	364.85	3.05	3.05	100	2.16	71	--	3H	1W	
364.85	367.89	3.04	2.96	97	2.70	89	--	3H	1W	
367.89	370.94	3.05	2.99	98	2.62	86	--	3H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
370.94	373.99	3.05	3.05	100	1.14	37	--	3H	1W	
373.99	377.04	3.05	3.05	100	2.16	71	--	3H	1W	
377.04	380.09	3.05	3.04	100	1.67	55	--	3H	1W	
380.09	383.13	3.04	3	99	2.00	66	--	3H	1W	
383.13	386.18	3.05	2.91	95	1.86	61	--	3H	1W	
386.18	389.23	3.05	3.02	99	2.23	73	--	3H	1W	
389.23	392.28	3.05	3.03	99	1.36	45	--	3H	1W	
392.28	395.33	3.05	3.05	100	2.80	92	--	3H	1W	
395.33	398.37	3.04	3	99	2.92	96	--	4H	1W	
398.37	401.42	3.05	3.05	100	2.90	95	--	3H	1W	
401.42	404.47	3.05	2.94	96	1.98	65	--	3H	1W	

KL-15-291

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
0.00	0.00	0.00	-QC-	0.00	0	K291346	☐	15-139			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K291281	☐	15-134			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K291293	☐	15-137			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K291303	☐	15-137		KL-STD6	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K291311	☐	15-137		KL-STD4	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K291318	☐	15-137			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K291325	☐	15-139		KL-STD5	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K291339	☐	15-139		KL-STD6	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K291342	☐	15-139			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K291275	☐	15-134		KL-STD4	☐	☐	☐
33.08	35.66	2.58	GRD	1.58	61	K291273	☐	15-134			☐	☐	☐
35.66	38.71	3.05	GRD	2.42	79	K291274	☐	15-134			☐	☐	☐
38.71	41.76	3.05	GRD	2.21	72	K291276	☐	15-134			☐	☐	☐
41.76	43.28	1.52	GRD	1.52	100	K291277	☐	15-134			☐	☐	☐
50.07	50.41	0.34	GRD	0.34	100	K291278	☐	15-134			☐	☐	☐
50.41	70.96	20.55	GRD	0.00	0		☑	15-134			☐	☐	☐
70.96	71.54	0.58	GRD	0.50	86	K291279	☐	15-134			☐	☐	☐
71.54	72.13	0.59	GRD	0.57	97	K291280	☐	15-134			☐	☐	☐
72.13	72.70	0.57	GRD	0.57	100	K291282	☐	15-134			☐	☐	☐
72.70	73.08	0.38	GRD	0.35	92	K291283	☐	15-134			☐	☐	☐
73.08	74.46	1.38	GRD	1.06	77	K291284	☐	15-134			☐	☐	☐
101.75	102.28	0.53	GRD	0.53	100	K291285	☐	15-137			☐	☐	☐
102.28	102.62	0.34	GRD	0.34	100	K291286	☐	15-137			☐	☐	☐
102.62	103.12	0.50	GRD	0.50	100	K291287	☐	15-137			☐	☐	☐
181.02	181.52	0.50	GRD	0.50	100	K291288	☐	15-137			☐	☐	☐
181.52	181.82	0.30	GRD	0.30	100	K291289	☐	15-137			☐	☐	☐
181.82	182.30	0.48	GRD	0.48	100	K291290	☐	15-137			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
182.30	184.22	1.92	GRD	1.85	96	K291291	☐	15-137			☐	☐	☐
184.22	184.76	0.54	GRD	0.54	100	K291292	☐	15-137			☐	☐	☐
184.76	186.24	1.48	GRD	1.46	99	K291294	☐	15-137			☐	☐	☐
186.24	186.59	0.35	GRD	0.35	100	K291295	☐	15-137			☐	☐	☐
186.59	187.02	0.43	GRD	0.43	100	K291296	☐	15-137			☐	☐	☐
186.59	187.02	0.43	GRD	0.43	100	K291297	☐	15-137			☐	☐	☑
187.02	187.52	0.50	GRD	0.50	100	K291298	☐	15-137			☐	☐	☐
214.83	215.34	0.51	GRD	0.51	100	K291299	☐	15-137			☐	☐	☐
215.34	215.73	0.39	GRD	0.39	100	K291300	☐	15-137			☐	☐	☐
215.73	216.16	0.43	GRD	0.43	100	K291301	☐	15-137			☐	☐	☐
216.16	216.67	0.51	GRD	0.51	100	K291302	☐	15-137			☐	☐	☐
216.67	219.28	2.61	GRD	2.61	100	K291304	☐	15-137			☐	☐	☐
219.28	219.65	0.37	GRD	0.36	97	K291305	☐	15-137			☐	☐	☐
219.65	220.39	0.74	GRD	0.74	100	K291306	☐	15-137			☐	☐	☐
220.39	220.92	0.53	GRD	0.52	98	K291307	☐	15-137			☐	☐	☐
220.39	220.92	0.53	GRD	0.52	98	K291308	☐	15-137			☐	☑	☐
322.03	322.49	0.46	GRD	0.46	100	K291309	☐	15-137			☐	☐	☐
322.49	323.08	0.59	GRD	0.55	93	K291310	☐	15-137			☐	☐	☐
323.08	323.71	0.63	GRD	0.60	95	K291312	☐	15-137			☐	☐	☐
323.71	325.09	1.38	GRD	1.36	99	K291313	☐	15-137			☐	☐	☐
325.09	326.81	1.72	GRD	1.07	62	K291314	☐	15-137			☐	☐	☐
326.81	329.41	2.60	GRD	2.40	92	K291315	☐	15-137			☐	☐	☐
329.41	330.29	0.88	GRD	0.88	100	K291316	☐	15-137			☐	☐	☐
330.29	331.77	1.48	GRD	1.48	100	K291317	☐	15-137			☐	☐	☐
331.77	333.05	1.28	GRD	1.26	98	K291319	☐	15-137			☐	☐	☐
333.05	333.53	0.48	GRD	0.48	100	K291320	☐	15-137			☐	☐	☐
333.53	334.37	0.84	GRD	0.54	64	K291321	☐	15-139			☐	☐	☐
362.55	363.05	0.50	GRD	0.50	100	K291322	☐	15-139			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
363.05	363.63	0.58	GRD	0.58	100	K291323	☐	15-139			☐	☐	☐
363.63	364.85	1.22	GRD	1.22	100	K291324	☐	15-139			☐	☐	☐
364.85	366.87	2.02	GRD	2.02	100	K291326	☐	15-139			☐	☐	☐
366.87	368.31	1.44	GRD	1.42	99	K291327	☐	15-139			☐	☐	☐
366.87	368.31	1.44	GRD	1.42	99	K291328	☐	15-139			☐	☑	☐
368.31	369.69	1.38	GRD	1.37	99	K291329	☐	15-139			☐	☐	☐
369.69	370.09	0.40	GRD	0.37	93	K291330	☐	15-139			☐	☐	☐
370.09	372.70	2.61	GRD	2.40	92	K291331	☐	15-139			☐	☐	☐
372.70	373.41	0.71	GRD	0.71	100	K291332	☐	15-139			☐	☐	☐
373.41	375.52	2.11	GRD	2.04	97	K291333	☐	15-139			☐	☐	☐
373.41	375.52	2.11	GRD	2.04	97	K291334	☐	15-139			☐	☐	☑
375.52	377.04	1.52	GRD	1.48	97	K291335	☐	15-139			☐	☐	☐
377.04	380.09	3.05	GRD	3.05	100	K291336	☐	15-139			☐	☐	☐
380.09	381.38	1.29	GRD	1.29	100	K291337	☐	15-139			☐	☐	☐
381.38	381.71	0.33	GRD	0.33	100	K291338	☐	15-139			☐	☐	☐
381.71	382.02	0.31	GRD	0.31	100	R499473	☐	15-140			☐	☐	☐
382.02	382.44	0.42	GRD	0.42	100	R499474	☐	15-140			☐	☐	☐
382.44	383.80	1.36	GRD	1.31	96	K291340	☐	15-139			☐	☐	☐
383.80	384.91	1.11	GRD	1.01	91	K291341	☐	15-139			☐	☐	☐
384.91	385.66	0.75	GRD	0.73	97	K291343	☐	15-139			☐	☐	☐
385.66	386.14	0.48	GRD	0.47	98	R499475	☐	15-140			☐	☐	☐
386.14	387.50	1.36	QFP	1.33	98	K291344	☐	15-139			☐	☐	☐
387.50	388.00	0.50	QFP	0.45	90	K291345	☐	15-139			☐	☐	☐
388.00	388.31	0.31	BXA	0.30	97	K291347	☐	15-139			☐	☐	☐
388.31	389.06	0.75	BXA	0.73	97	R499476	☐	15-140			☐	☐	☐
389.06	389.56	0.50	GRD	0.50	100	K291348	☐	15-139			☐	☐	☐
389.56	390.00	0.44	GRD	0.44	100	K291349	☐	15-139			☐	☐	☐
390.00	390.52	0.52	GRD, QFP	0.51	98	K291350	☐	15-139			☐	☐	☐

Klaza - Klaza Project

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		383355	6890004	1345.38	66.75

ZONE: Tech

SECTION:

HOLE: KL-15-292

CLAIM:

Contractor: Platinum

Drill: 2

Core Size: HQ

Casing Depth: 10.02m, Out

Drilling Dates: Aug 17 - Aug 19, 2015

Geology Logged By: D. Walsh

SURVEY			
Depth (m)	Azimuth	Dip	Method

TARGET:

SUMMARY			
From (m)	To (m)	Interval (m)	Rock Type
0	10.02	10.02	CAS
10.02	40.24	30.22	GRD
40.24	66.75	26.51	GRD

SAMPLES	
Numbers:	K291149 to K291167
Total:	19
Batch:	136, 138
Certificates:	WH15127546, WH15127597

COMMENTS
Water Hole

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
10.02	40.24	30.22	GRD	MG	Strongly pervasively oxidized alternating patches of phyllic and argillic alteration. Interval is extremely weather and rubbly and hosts multiples zones of gouge alteration. Oxidation and gouge alteration obscures most of the rock textures. Has patches of goethite staing along fracture surfaces.							
						MD	OR	RB	OXI	4I	Go	1
						LT	OR	PA	PHC	3I		
									ARG	3I		
40.24	66.75	26.51	GRD	MG	Pervasively oxidized, moderate to strongly silicified moderate to strong phyllic altered granodiorite with patchy moderate argillic alteration. Occasional goethite staining along fracture surfaces.							
						MD	GN		ARG	3I		
						MD	OR		OXI	4I		
						LT	WH		PHC	4I		
						LT	GN		PHC	3I		
						LT	OR		SIL	3I		
						DK	OR		SIL	4I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
10.02	40.24	30.22	GRD	MG	Strongly pervasively oxidized alternating patches of phyllic and argillic alteration. Interval is extremely weather and rubbly and hosts multiples zones of gouge alteration. Oxidation and gouge alteration obscures most of the rock textures. Has patches of goethite staing along fracture surfaces.				ARG	3I		
						LT	OR	PA	PHC	3I		
						MD	OR	RB	OXI	4I	Go	1
40.24	66.75	26.51	GRD	MG	Pervasively oxidized, moderate to strongly silicified moderate to strong phyllic altered granodiorite with patchy moderate argillic alteration. Occasional goethite staining along fracture surfaces. Oxidation obscures most rock textures.							
						MD	GN		ARG	3I		
						LT	WH		PHC	4I		
						LT	GN		PHC	3I		
						DK	OR		SIL	4I		
						LT	OR		SIL	3I		
						MD	OR		OXI	4I	Go	1

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
0.00	10.02	10.02	0	0	0.00	0	--	--	--	Drill Casing
10.02	11.89	1.87	1.52	81	0.00	0	--	2H	3W	
11.89	14.94	3.05	2.51	82	0.00	0	--	2H	3W	
14.94	17.98	3.04	2.23	73	0.00	0	--	2H	3W	
17.98	21.03	3.05	2.53	83	0.00	0	--	2H	3W	
21.03	24.08	3.05	2.88	94	0.36	12	--	2H	3W	
24.08	27.13	3.05	2.45	80	0.00	0	--	2H	3W	
27.13	30.17	3.04	2.53	83	0.00	0	--	2H	3W	
30.17	33.22	3.05	3.02	99	0.27	9	--	3H	3W	
33.22	36.27	3.05	2.69	88	0.13	4	--	3H	2W	
36.27	39.32	3.05	2.6	85	0.00	0	--	2H	3W	
39.32	42.37	3.05	2.37	78	0.50	16	--	3H	3W	
42.37	45.41	3.04	2.89	95	1.07	35	--	3H	2W	
45.41	48.46	3.05	2.88	94	1.13	37	--	3H	2W	
48.46	51.51	3.05	2.79	91	1.03	34	--	3H	2W	
51.51	54.56	3.05	3.05	100	1.87	61	--	3H	2W	
54.56	57.61	3.05	3	98	2.73	90	--	3H	2W	
57.61	60.65	3.04	2.7	89	1.96	64	--	3H	2W	
60.65	63.70	3.05	2.96	97	2.09	69	--	3H	2W	
63.70	66.75	3.05	3.05	100	2.57	84	--	3H	2W	

KL-15-292

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
0.00	0.00	0.00	-QC-	0.00	0	K291161	☐	15-138			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K291157	☐	15-138		KL-STD4	☐	☐	☐
10.32	11.89	1.57	GRD	1.57	100	K291149	☐	15-136			☐	☐	☐
11.89	14.94	3.05	GRD	2.71	89	K291150	☐	15-136			☐	☐	☐
14.94	17.98	3.04	GRD	2.37	78	K291151	☐	15-138			☐	☐	☐
36.27	38.48	2.21	GRD	1.88	85	K291152	☐	15-138			☐	☐	☐
38.48	40.02	1.54	GRD	1.54	100	K291153	☐	15-138			☐	☐	☐
40.02	42.37	2.35	GRD	1.92	82	K291154	☐	15-138			☐	☐	☐
42.37	45.41	3.04	GRD	2.83	93	K291155	☐	15-138			☐	☐	☐
45.41	48.46	3.05	GRD	2.90	95	K291156	☐	15-138			☐	☐	☐
48.46	51.51	3.05	GRD	3.05	100	K291158	☐	15-138			☐	☐	☐
51.51	54.56	3.05	GRD	3.05	100	K291159	☐	15-138			☐	☐	☐
54.56	56.16	1.60	GRD	1.58	99	K291160	☐	15-138			☐	☐	☐
56.16	57.61	1.45	GRD	1.45	100	K291162	☐	15-138			☐	☐	☐
57.61	60.65	3.04	GRD	2.87	94	K291163	☐	15-138			☐	☐	☐
60.65	62.61	1.96	GRD	1.83	93	K291164	☐	15-138			☐	☐	☐
62.61	63.70	1.09	GRD	1.09	100	K291165	☐	15-138			☐	☐	☐
63.70	66.75	3.05	GRD	3.05	100	K291166	☐	15-138			☐	☐	☐
63.70	66.75	3.05	GRD	3.05	100	K291167	☐	15-138			☐	☑	☐

Klaza - Klaza Project

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		383413	6888610	1318	75.9

ZONE: Tech

SECTION:

HOLE: KL-15-293

CLAIM:

Contractor: Platinum

Drill: 2

Core Size: HQ

Casing Depth: 4.67m, Out

Drilling Dates: Aug 19 - Aug 20, 2015

Geology Logged By: D. Walsh

SURVEY			
Depth (m)	Azimuth	Dip	Method

TARGET:

SUMMARY			
From (m)	To (m)	Interval (m)	Rock Type
0	4.67	4.67	CAS
4.67	25.22	20.55	GRD
25.22	38.3	13.08	GRD
38.3	56.55	18.25	GRD
56.55	71.07	14.52	GRD
71.07	75.9	4.83	GRD

SAMPLES	
Numbers:	K291168 to K291188
Total:	21
Batch:	138, 139
Certificates:	WH15127597, WH15127599

COMMENTS
Water Hole

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
4.67	25.22	20.55	GRD	MG	Pervasively strongly oxidized, strongly phyllic altered granodiorite. Has patchy moderate argillic and moderate propyllitic alteration. Hosts multiple sets of sheeted pyrite stringers and veinlets and a high abundance of large massive grey bull quartz veins. Bull quartz has interstiital white carbonate and hosts disseminated to blebby pyrite. Strong phyllic alteration hosts disseminated pyrite. Has a few rubbly patches.							
						MD	OR		OXI	4I		
						MD	GN		PRO	3I		
						LT	GN	RB	PHC	4I	Py	0.1
						LT	WH					
						LT	GN					
						DK	OR		ARG	3I		
25.22	38.30	13.08	GRD	MG	Silicified moderate propyllitic altered granodiorite. Hosts a high abundance of large massive grey bull quartz veins. Bull quartz has interstitial white carbonate and hosts disseminated to blebby pyrite. Minor phyllic overprinting halo around bull quartz veining. Moderate oxidation along fracture surfaces. Strongest propyllitic altered sections are significantly magnetic, most likely due to patches of disseminated magnetic throughout.							
						MD	OR		OXI	3I		
						MD	GY		PRO	3I		
						DK	GN		SIL	3I		
									PHC	3I		
									PHC	2I		
38.30	56.55	18.25	GRD	MG	Silicified strongly phyllic altered granodiorite. Has patchy silicified moderate propyllitic alteration. Hosts a high abundance of large massive grey bull quartz veins. Bull quartz has interstitial white carbonate and hosts disseminated to blebby pyrite. Strong phyllic alteration hosts disseminated pyrite. Moderate oxidation along fracture surfaces.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	OR					
						LT	GN				Py	1
						LT	WH					
						DK	GN					
56.55	71.07	14.52	GRD	MG	Silicified moderate propyllitic altered granodiorite. Hosts a high abundance of large massive grey bull quartz veins. Bull quartz has interstitial white carbonate and hosts disseminated to blebby pyrite. Minor phyllic overprinting halo around bull quartz veining. Strongest propyllitic altered sections are significantly magnetic, most likely due to patches of disseminated magnetic throughout.							
						MD	GY		SIL	3I		
						DK	GN		PRO	3I		
71.07	75.90	4.83	GRD	MG	Moderate argillic(?) and weakly propyllitic altered granodiorite. Hosts a high abundance of large massive grey bull quartz veins. Bull quartz has interstitial white carbonate and hosts disseminated to blebby pyrite.							
						LT	GN		PRO	2I		
						LT	WH		ARG	3I		
						DK	GN					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
4.67	25.22	20.55	GRD	MG	Pervasively strongly oxidized, strongly phyllic altered granodiorite. Has patchy moderate argillic and moderate propyllitic alteration. Hosts multiple sets of sheeted pyrite stringers and veinlets and a high abundance of large massive grey bull quartz veins. Bull quartz has interstitial white carbonate and hosts disseminated to blebby pyrite. Strong phyllic alteration hosts disseminated pyrite. Has a few rubbly patches.							
						LT	GN					
						LT	GN	RB	PHC	4I	Py	0.1
						MD	OR		OXI	4I		
						DK	OR		ARG	3I		
						LT	WH					
						MD	GN		PRO	3I		
25.22	38.30	13.08	GRD	MG	Silicified moderate propyllitic altered granodiorite. Hosts a high abundance of large massive grey bull quartz veinsa nd pyirte stringers throughout. Bull quartz has interstitial white carbonate and hosts disseminated to blebby pyrite. Minor phyllic overprinting halo around bull quartz veining. Moderate oxidation along fracture surfaces. Strongest propyllitic altered sections are significantly magnetic, most likely due to patches of disseminated magnetic throughout.							
						MD	GY		PRO	3I		
									PHC	3I		
									PHC	2I		
						MD	OR		OXI	3I		
						DK	GN		SIL	3I		
38.30	56.55	18.25	GRD	MG	Silicified strongly phyllic altered granodiorite. Has patchy silicified moderate propyllitic alteration. Hosts a high abundance of large massive grey bull quartz veins. Bull quartz has interstitial white carbonate and hosts disseminated to blebby pyrite. Strong phyllic alteration hosts disseminated pyrite. Moderate oxidation along fracture surfaces.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						DK	GN					
						MD	OR					
						LT	WH					
						LT	GN				Py	1
56.55	71.07	14.52	GRD	MG	Silicified moderate propyllitic altered granodiorite. Hosts a high abundance of large massive grey bull quartz veins. Bull quartz has interstitial white carbonate and hosts disseminated to blebby pyrite. Minor phyllic overprinting halo around bull quartz veining. Strongest propyllitic altered sections are significantly magnetic, most likely due to patches of disseminated magnetic throughout.							
						DK	GN		PRO	3I		
						MD	GY		SIL	3I		
71.07	75.90	4.83	GRD	MG	Moderate argillic(?) and weakly propyllitic altered granodiorite. Hosts a high abundance of large massive grey bull quartz veins. Bull quartz has interstitial white carbonate and hosts disseminated to blebby pyrite.							
						DK	GN					
						LT	GN		PRO	2I		
						LT	WH		ARG	3I		

KL-15-293

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
0.00	4.67	4.67	0	0	0.00	0	--	--	--	
4.67	5.79	1.12	0.84	75	0.00	0	--	3H	3W	
5.79	8.84	3.05	2.84	93	1.92	63	--	3H	3W	
8.84	11.89	3.05	2.87	94	2.03	67	--	3H	2W	
11.89	14.93	3.04	2.5	82	1.51	50	--	3H	2W	
14.93	17.98	3.05	2.98	98	2.09	69	--	4H	2W	
17.98	21.03	3.05	2.53	83	1.53	50	--	3H	2W	
21.03	24.08	3.05	2.36	77	0.96	31	--	3H	2W	
24.08	27.13	3.05	2.88	94	1.41	46	--	3H	2W	
27.13	30.17	3.04	2.73	90	1.35	44	--	3H	1W	
30.17	33.22	3.05	2.81	92	2.30	75	--	3H	2W	
33.22	36.27	3.05	2.91	95	2.17	71	--	4H	2W	
36.27	39.32	3.05	3.05	100	2.37	78	--	3H	1W	
39.32	42.37	3.05	3	98	1.84	60	--	4H	1W	
42.37	45.41	3.04	2.89	95	1.83	60	--	3H	1W	
45.41	48.46	3.05	3.05	100	1.46	48	--	3H	1W	
48.46	51.51	3.05	3.02	99	2.43	80	--	4H	1W	
51.51	54.56	3.05	2.98	98	2.26	74	--	4H	1W	
54.56	57.61	3.05	3	98	2.38	78	--	3H	1W	
57.61	60.65	3.04	3.03	100	2.08	68	--	4H	1W	
60.65	63.70	3.05	3.05	100	2.62	86	--	3H	1W	
63.70	66.75	3.05	3.05	100	2.51	82	--	3H	1W	
66.75	69.80	3.05	3.05	100	2.39	78	--	3H	1W	
69.80	72.85	3.05	3.05	100	2.50	82	--	3H	1W	
72.85	75.90	3.05	3.04	100	2.74	90	--	3H	1W	

KL-15-293

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
0.00	0.00	0.00	-QC-	0.00	0	K291179	☐	15-138		KL-STD6	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K291176	☐	15-138			☑	☐	☐
5.79	6.67	0.88	GRD	0.87	99	K291168	☐	15-138			☐	☐	☐
6.67	7.79	1.12	GRD	1.03	92	K291169	☐	15-138			☐	☐	☐
7.79	8.84	1.05	GRD	1.05	100	K291170	☐	15-138			☐	☐	☐
7.79	8.84	1.05	GRD	1.05	100	K291171	☐	15-138			☐	☐	☑
8.84	11.89	3.05	GRD	2.86	94	K291172	☐	15-138			☐	☐	☐
11.89	13.35	1.46	GRD	1.46	100	K291173	☐	15-138			☐	☐	☐
13.35	15.34	1.99	GRD	1.99	100	K291174	☐	15-138			☐	☐	☐
15.34	15.80	0.46	GRD	0.46	100	K291175	☐	15-138			☐	☐	☐
15.80	17.98	2.18	GRD	2.09	96	K291177	☐	15-138			☐	☐	☐
17.98	21.03	3.05	GRD	2.70	89	K291178	☐	15-138			☐	☐	☐
21.03	24.08	3.05	GRD	2.92	96	K291180	☐	15-138			☐	☐	☐
46.72	48.46	1.74	GRD	1.52	87	K291181	☐	15-138			☐	☐	☐
48.46	51.51	3.05	GRD	3.03	99	K291182	☐	15-138			☐	☐	☐
51.51	54.56	3.05	GRD	2.92	96	K291183	☐	15-138			☐	☐	☐
54.56	57.61	3.05	GRD	3.04	100	K291184	☐	15-138			☐	☐	☐
71.00	71.83	0.83	GRD	0.82	99	K291185	☐	15-138			☐	☐	☐
71.83	72.94	1.11	GRD	1.11	100	K291186	☐	15-138			☐	☐	☐
72.94	74.93	1.99	GRD	1.99	100	K291187	☐	15-139			☐	☐	☐
74.93	75.90	0.97	GRD	0.95	98	K291188	☐	15-139			☐	☐	☐

Klaza - Klaza Project

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		381552	6890347	1253.58	48.46

ZONE: Tech

SECTION:

HOLE: KL-15-294

CLAIM:

Contractor: Platinum

Drill: 1

Core Size: HQ

Casing Depth: 3.89m, Out

Drilling Dates: Aug 21 - Aug 22, 2015

Geology Logged By: D. Walsh

SURVEY			
Depth (m)	Azimuth	Dip	Method

TARGET:

SUMMARY			
From (m)	To (m)	Interval (m)	Rock Type
0	3.89	3.89	CAS
3.89	30.76	26.87	GRD
30.76	36.72	5.96	GRD
36.72	48.46	11.74	GRD

SAMPLES	
Numbers:	K291189 to K291192
Total:	4
Batch:	139
Certificates:	WH15127599

COMMENTS
Water hole

KL-15-294

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
3.89	30.76	26.87	GRD	MG	Alternating patches of unaltered granodiorite and weak to moderate argillic alteration. Occasional phyllic halos around weathered quartz veins. Patchy pervasive oxidation throughout altered portion and oxidation along fracture surfaces. Has patches of gouge alteration. Interval is heavily weathered broken up and rubbly.							
						MD	BN	PA	OXI	2I		
						MD	OR		ARG	2I		
						LT	GY	RB	OXI	3I		
									PHC	2I		
									ARG	3I		
30.76	36.72	5.96	GRD	MG	Trace potassic/propyllitic altered granodiorite. Moderate oxidation along fracture surfaces.							
						MD	OR		OXI	3I		
						MD	GY		OXI	2I		
36.72	48.46	11.74	GRD	MG	Patchy moderate phyllic and propyllitic alteration. Hosts multiple gouge zones and quartz/carbonate/sulphide veins. Oxidation and goethite staining along fracture. Interval has poor recovery and is rubbly and broken up.							
						MD	GN	PA	PHC	3I		
						MD	OR		OXI	3I		
						DK	GN	RB	PRO	3I		
						DK	OR					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
3.89	30.76	26.87	GRD	MG	Alternating patches of unaltered granodiorite and weak to moderate argillic alteration. Occasional phyllic halos around weathered quartz veins. Patchy pervasive oxidation throughout altered portion and oxidation along fracture surfaces. Has patches of gouge alteration. Interval is heavily weathered broken up and rubbly.							
									PHC	2I		
									ARG	3I		
						MD	OR		ARG	2I		
						MD	BN	RB	OXI	2I		
						LT	GY	PA	OXI	3I		
30.76	36.72	5.96	GRD	MG	Trace potassic/propyllitic altered granodiorite. Moderate oxidation along fracture surfaces.							
						MD	OR		OXI	3I		
						MD	GY		OXI	2I		
36.72	48.46	11.74	GRD	MG	Patchy moderate phyllic and propyllitic alteration. Hosts multiple gouge zones and quartz/carbonate/sulphide veins. Oxidation and goethite staining along fracture. Interval has poor recovery and is rubbly and broken up.							
						DK	OR					
						MD	OR		OXI	3I		
						MD	GN	PA	PHC	3I		
						DK	GN	RB	PRO	3I		

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
0.00	3.89	3.89	0	0	0.00	0	--	--	--	Drill Casing
3.89	5.79	1.90	1.58	83	0.00	0	--	2H	3W	
5.79	8.84	3.05	2.01	66	0.33	11	--	2H	3W	
8.84	11.89	3.05	0.9	30	0.12	4	--	2H	3W	
11.89	14.93	3.04	2	66	0.54	18	--	2H	3W	
14.93	17.98	3.05	2.84	93	0.25	8	--	3H	3W	
17.98	21.03	3.05	2.85	93	0.77	25	--	3H	2W	
21.03	24.08	3.05	2.61	86	0.66	22	--	3H	2W	
24.08	27.13	3.05	3.03	99	1.50	49	--	3H	2W	
27.13	30.18	3.05	3	98	1.29	42	--	3H	2W	
30.18	33.22	3.04	2.85	94	1.12	37	--	4H	2W	
33.22	36.27	3.05	2.94	96	1.82	60	--	4H	2W	
36.27	39.32	3.05	2.75	90	0.43	14	--	3H	2W	
39.32	42.37	3.05	1.35	44	0.31	10	--	3H	2W	
42.37	45.41	3.04	1.27	42	0.24	8	--	3H	2W	
45.41	48.46	3.05	2.59	85	1.53	50	--	3H	2W	

KL-15-294

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
39.32	42.37	3.05	GRD	1.48	49	K291189	☐	15-139			☐	☐	☐
42.37	45.41	3.04	GRD	1.27	42	K291190	☐	15-139			☐	☐	☐
45.41	47.10	1.69	GRD	1.43	85	K291191	☐	15-139			☐	☐	☐
47.10	47.61	0.51	GRD	0.48	94	K291192	☐	15-139			☐	☐	☐

APPENDIX VI

SIGNIFICANT DRILL INTERSECTIONS

Hole ID	Zone ID	From (m)	To (m)	Interval (m)*	Gold (g/t)	Silver (g/t)
KL-10-03	Central Klaza	32.96	35.50	2.54	4.34	71.2
and		62.08	112.36	50.28	1.10	23.5
including		62.08	64.74	2.67	2.41	130.1
including		86.93	106.68	19.75	2.29	36.1
including		86.93	89.55	2.62	13.05	143
KL-10-04	BRX	97.60	98.75	1.15	1.55	23.2
and		109.83	111.00	1.17	5.07	53.6
KL-10-06	Pika	21.64	25.00	3.36	32.52	34.3
KL-10-07	Central Klaza	33.50	34.50	1.00	1.91	38.5
and		57.80	58.80	1.00	5.51	107
and		128.00	164.50	36.50	3.23	117.7
including		134.00	149.30	15.30	7.20	260
including		138.50	139.50	1.00	39.30	709
including		146.77	149.30	2.53	24.70	1087
KL-10-09	Pika	25.40	26.40	1.00	2.89	78.0
KL-10-10	Central Klaza	137.00	211.30	74.30	0.70	8.3
including		137.00	146.30	9.30	1.51	7.4
including		137.00	139.15	2.15	3.81	21.5
including		145.10	146.30	1.20	4.12	7.8
including		178.00	211.30	33.30	1.04	14.7
including		178.00	179.00	1.00	8.78	182
including		203.00	204.00	1.00	3.81	19.8
including		210.00	211.30	1.30	12.90	181
KL-10-11	AEX	88.00	89.00	1.00	0.45	99.2
and		110.20	111.20	1.00	2.25	25.0
and	BRX	182.00	189.60	7.60	0.89	9.17
including		182.00	183.00	1.00	2.86	3.7

and including		188.66	189.60	0.94	3.43	66.8
and		199.20	200.20	1.00	1.48	43.6
and		218.00	219.00	1.00	2.66	8.2
KL-11-12	Central Klaza	107.08	108.10	1.02	3.06	253
and		194.40	196.36	1.96	1.98	49.0
and		217.34	225.80	8.46	1.75	42.0
including		221.00	225.80	4.80	2.80	70.0
and		257.70	258.72	1.02	3.70	7.0
KL-11-13	Central Klaza	89.23	94.00	4.77	1.71	34.0
and		137.23	139.16	1.93	1.13	37.0
and		156.45	203.61	47.16	0.52	6.0
including		156.45	165.46	9.01	1.24	12.0
KL-11-14	Central Klaza	120.10	121.10	1.00	1.75	32.0
and		155.13	156.07	0.94	0.58	135
and		231.76	232.79	1.03	7.99	45.0
and		289.68	307.46	17.78	1.14	12.0
including		289.68	297.79	8.11	2.39	22.0
KL-11-15	Central Klaza	76.66	87.12	10.46	4.24	15.0
and		109.80	111.18	1.38	1.98	56.0
KL-11-16	Central Klaza	55.28	57.00	1.72	1.00	16.0
and		79.71	94.82	15.11	2.89	49.0
including		88.04	94.82	6.78	6.09	101
KL-11-17	Central Klaza	141.42	142.50	1.08	9.68	211
and		207.27	219.30	12.03	3.78	25.0
including		215.36	219.30	3.94	11.25	72.0
and		267.11	269.58	2.47	3.98	20.0
KL-11-18	Central Klaza	72.48	75.26	2.78	0.94	12.0
and		131.22	172.77	41.55	0.75	18.0
including		131.22	136.25	5.03	1.07	84.0
and		153.00	172.77	19.77	1.03	9.0

KL-11-19	Central Klaza	176.28	177.79	1.51	1.00	19.0
and		204.49	234.91	30.42	1.27	12.0
including		232.02	234.91	2.89	7.81	43.0
KL-11-20	Central Klaza	61.29	62.37	1.08	0.57	83.0
and		118.12	119.14	1.02	1.48	78.0
and		213.94	215.79	1.85	1.84	3.0
and		226.55	228.21	1.66	1.29	55.0
and		262.00	263.00	1.00	11.90	12.0
and		274.30	277.22	2.92	1.99	16.0
and		314.29	317.34	3.05	1.54	7.0
and		345.47	356.32	10.85	1.75	11.0
KL-11-21	Central Klaza	133.00	145.34	12.34	1.25	31.0
including		133.00	134.92	1.92	7.24	176
and		166.48	171.88	5.40	2.37	23.0
KL-11-22	BRX	56.20	61.40	5.20	0.47	124
KL-11-23	BRX	109.00	110.55	1.55	3.99	229
KL-11-24	BRX	72.00	73.37	1.37	3.15	72.0
KL-11-25	Central Klaza	52.48	64.42	11.94	2.31	41.0
including		52.48	58.75	6.27	4.22	75.0
and		94.70	95.71	1.01	7.48	445
KL-11-26	Central Klaza	72.01	83.34	11.33	0.98	15.0
KL-11-27	Central Klaza	101.28	114.33	13.05	2.27	15.0
including		101.28	103.22	1.94	8.56	77.0
and		143.82	170.03	26.21	1.76	26.0
including		144.37	145.16	0.79	27.40	549
including		155.93	157.53	1.60	6.43	50.0
including		168.57	170.03	1.46	7.41	54.0

and		211.99	213.43	1.44	10.19	23.0
including		211.99	212.60	0.61	21.30	39.0
KL-11-28	Central Klaza	72.48	75.10	2.62	1.60	32.0
and		202.00	202.63	0.63	5.41	54.0
and		253.66	255.12	1.46	10.25	585
KL-11-29	BRX	31.90	41.24	9.34	1.95	147
including		31.90	34.90	3.00	3.29	407
KL-11-31	Central Klaza	229.73	231.72	1.99	2.58	19.0
and		248.52	249.53	1.01	5.07	98.0
KL-11-32	Central Klaza	70.36	71.34	0.98	0.68	98.0
and		117.09	118.04	0.98	4.20	16.0
and		122.81	123.43	0.62	2.47	14.0
KL-11-33	BRX	120.30	121.64	1.34	5.51	180
KL-11-34	Western Klaza	16.52	18.53	2.01	1.48	33.0
and		148.95	157.42	8.47	1.31	66.0
including		156.28	157.42	1.14	5.84	122
KL-11-35	BRX	112.42	115.44	3.02	3.03	84.0
including		126.74	130.60	3.86	5.85	92.0
KL-11-36	Western Klaza	59.42	62.46	3.04	0.41	165
and		136.00	138.00	2.00	1.61	102
and		174.00	176.02	2.02	1.48	32.0
and		242.71	245.00	2.29	1.37	32.0
KL-11-37	BRX	81.13	95.93	14.80	5.43	50.0
including		81.13	82.83	1.70	11.05	133
and including		88.95	90.17	1.22	34.00	298
and including		94.68	95.93	1.25	13.10	97.0

KL-11-38	Central Klaza	64.82	84.22	19.40	0.99	25.0
including		66.80	69.70	2.90	2.88	14.0
including		75.38	76.62	1.24	6.00	179
and		102.87	104.19	1.32	6.67	94.0
and		115.55	116.77	1.22	3.54	42.0
KL-11-39	BRX	151.29	152.94	1.65	23.50	239
KL-11-40	Central Klaza	63.33	68.02	4.69	5.39	26.0
and		82.36	83.36	1.00	4.48	5.0
and		130.60	137.68	7.08	0.70	13.0
and		175.65	177.17	1.57	2.06	11.0
KL-11-41	Central Klaza	183.63	193.31	9.68	1.59	9.0
and		207.44	212.58	5.14	1.16	12.0
and		253.31	254.75	1.44	3.09	12.0
and		306.93	308.31	1.38	1.08	17.0
and		340.30	341.30	1.00	2.60	16.0
KL-11-42	Regional	41.63	42.51	0.88	1.45	30.0
and		94.82	96.62	1.80	0.01	422
KL-11-43	Central Klaza	89.44	90.80	1.36	1.95	84.0
and		120.15	135.02	14.87	1.08	18.0
and		149.95	151.66	1.71	3.02	46.0
and		202.59	208.80	6.21	0.93	16.0
and		260.55	262.70	2.15	4.42	12.0
KL-11-44	Central Klaza	14.21	17.02	2.81	0.86	9.0
and		80.39	82.19	1.80	1.85	67.0
and		193.00	194.42	1.42	0.50	143
and		234.00	235.00	1.00	2.56	3.0
and		291.55	301.70	10.15	2.67	50.0
including		291.55	296.41	4.86	4.76	88.0
and		342.96	343.98	1.02	1.63	35.0
KL-11-45	Regional	125.64	127.10	1.46	1.05	51.0
and		134.95	136.25	1.30	2.94	94.0

KL-11-46	Central Klaza	179.03	204.51	25.48	0.53	11.0
including		179.03	188.15	9.12	0.88	22.0
and		242.90	243.71	0.81	11.95	151
and		293.48	294.68	1.20	4.25	16.0
KL-11-47	Central Klaza	57.72	61.48	3.76	6.93	36.0
and		73.86	74.86	1.00	2.79	52.0
and		145.39	157.52	12.13	1.18	14.0
including		156.52	157.52	1.00	9.28	78.0
KL-11-50	Central Klaza	51.05	53.95	2.90	14.05	30.0
and		108.49	125.01	16.52	1.18	6.0
and		199.35	214.22	14.87	1.02	8.0
and		252.02	253.48	1.46	4.71	19.0
KL-11-52	Central Klaza	149.24	166.09	16.85	1.20	8.0
and		192.51	193.53	1.02	2.48	49.0
and		257.37	265.55	8.18	2.22	19.0
including		263.08	263.58	0.50	31.10	208
KL-11-53	Central Klaza	33.38	34.28	0.90	3.26	4.0
and		45.27	58.26	12.99	0.77	5.0
including		45.27	49.89	4.62	1.41	7.0
and		174.67	176.46	1.79	8.19	30.0
KL-11-55	Central Klaza	82.85	84.43	1.50	4.87	35.0
and		244.00	255.34	11.34	0.76	10.0
and		264.46	265.58	1.12	3.08	57.0
and		276.80	284.22	7.42	0.67	46.0
and		308.25	311.22	2.97	2.26	21.0
and		369.64	370.64	1.00	3.37	141
KL-11-56	Central Klaza	109.12	121.63	12.51	5.03	14.0
and		232.23	233.23	1.00	9.34	76.0
KL-11-57	Central Klaza	60.05	71.95	11.90	0.58	8.0

including		67.63	71.95	4.32	0.96	10.0
KL-11-58	Central Klaza	18.62	20.42	1.80	2.79	26.0
and		61.32	62.32	1.00	2.85	47.0
and		70.07	71.35	1.28	13.05	60.0
and		179.28	196.70	17.42	1.50	36.0
including		182.66	184.86	2.20	4.38	192
including		187.56	188.96	1.40	5.11	27.0
including		195.70	196.70	1.00	3.81	112
and		238.07	239.51	1.44	2.46	28.0
and		248.97	249.97	1.00	5.45	18.0
and		264.20	265.20	1.00	3.66	112
and		290.03	291.03	1.00	3.84	44.0
KL-11-59	Central Klaza	107.65	119.22	11.57	0.57	12.0
including		117.67	119.22	1.55	1.20	6.0
KL-11-60	Central Klaza	66.14	67.06	0.92	4.45	6.0
and		90.03	96.38	6.35	1.17	16.0
and		133.19	138.01	4.82	1.42	22.0
and		234.62	239.95	5.33	0.82	6.0
and		261.21	265.95	4.74	0.86	17.0
and		293.41	295.33	1.92	1.17	17.0
KL-11-61	Central Klaza	15.04	17.47	2.43	2.03	23.0
and		24.28	27.35	3.07	1.76	7.0
and		75.08	82.20	7.12	1.39	19.0
and		160.63	184.90	24.27	1.21	8.0
and		279.86	286.66	6.80	0.81	7.0
and		299.75	301.05	1.30	1.42	105
and		308.73	309.98	1.25	2.92	41.0
KL-11-62	Central Klaza	51.81	55.40	3.59	3.81	14.0
and		161.03	173.20	12.17	0.65	25.0
including		161.03	163.68	2.65	1.50	71.0
and		275.03	276.03	1.00	1.02	169
and		299.05	300.70	1.65	7.17	14.0

KL-11-63	Central Klaza	69.77	71.20	1.43	6.29	342
and		125.41	126.41	1.00	1.84	111
and		300.67	310.92	10.25	1.17	15.0
including		300.67	301.67	1.00	8.17	91.0
KL-11-51x	Eastern Klaza	250.30	251.50	1.20	2.07	27.9
and		427.39	428.43	1.04	0.88	10.7
and		435.32	439.27	3.95	0.82	8.45
KL-12-64	Eastern Klaza	56.46	61.14	4.68	0.76	8.85
and		88.84	93.26	4.42	2.07	20.7
and		125.00	126.33	1.33	2.02	46.7
KL-12-65	Eastern Klaza	11.87	12.87	1.00	2.78	20.0
and		97.15	98.44	1.29	1.47	10.8
and		119.82	121.84	2.02	1.78	12.9
and		130.70	135.04	4.34	3.91	30.2
including		134.04	135.04	1.00	16.05	90.2
and		188.61	190.77	2.16	0.81	98.0
KL-12-66	BRX	51.28	59.98	8.70	0.74	35.0
including		58.98	59.98	1.00	2.63	261
and		63.39	64.39	1.00	2.50	24.6
and		80.53	81.53	1.00	2.93	15.0
and	Pika	276.95	277.90	0.95	0.64	130
KL-12-67	Eastern Klaza	119.98	121.00	1.02	2.34	234
and		131.70	135.15	3.45	1.03	129.12
including		132.70	133.95	1.25	2.07	341
and		203.78	206.35	2.57	3.07	23.1
KL-12-68	Eastern Klaza	53.18	54.18	1.00	5.19	34.0
and		88.82	96.55	7.73	0.81	6.35
including		88.82	90.78	1.96	1.16	14.21
and		93.97	96.55	2.58	1.26	5.43
and		122.20	123.20	1.00	34.10	47.5
and		174.65	178.14	3.49	1.14	107.28
and		236.97	238.41	1.44	1.52	16.75

and		254.64	256.74	2.10	0.22	68.2
KL-12-69	BRX	190.44	194.86	4.42	3.23	58.88
including		190.44	192.26	1.82	5.79	40.2
KL-12-70	Eastern Klaza	37.29	38.30	1.01	1.07	7.89
KL-12-71	Eastern Klaza	69.40	73.17	3.77	1.72	13.24
including		69.40	71.00	1.60	3.03	28.0
and		99.89	108.05	8.16	1.25	14.89
including		99.89	104.98	5.09	1.67	21.55
and		147.70	148.83	1.13	1.31	81.8
and		177.26	179.37	2.11	0.80	48.22
and		196.32	199.79	3.47	0.93	24.12
and		206.39	208.63	2.24	1.27	11.51
KL-12-72	BRX	178.48	179.81	1.33	10.60	23.2
and		203.19	210.00	6.81	1.55	11.02
including		203.19	204.40	1.21	4.48	15.1
KL-12-73	Eastern Klaza	38.25	41.57	3.32	0.98	28.8
and		64.55	65.55	1.00	2.30	36.2
and		165.30	166.50	1.20	0.62	84.1
and		237.75	238.82	1.07	2.06	6.15
KL-12-74	BRX	206.89	207.89	1.00	4.85	35.7
and		244.64	246.70	2.06	3.75	0.05
KL-12-75	Western Klaza	78.68	80.50	1.82	5.66	5.57
and		103.30	104.30	1.00	2.91	299
KL-12-76	Eastern Klaza	92.00	93.08	1.08	1.64	6.97
and		103.27	111.51	8.24	1.11	5.27
Including		103.27	104.53	1.26	3.22	6.82
and		173.94	175.35	1.41	0.77	86.4
KL-12-77	Eastern Klaza	58.00	59.00	1.00	14.65	392

and		193.04	199.26	6.22	1.39	16.07
and		194.26	195.26	1.00	7.43	65.2
KL-12-78	Eastern Klaza	48.22	57.27	9.05	1.12	38.5
and		97.05	98.05	1.00	2.43	22.6
and		191.43	193.45	2.02	1.08	9.02
and		203.85	205.98	2.13	1.30	4.67
KL-12-79	Western Klaza	91.56	94.77	3.21	3.18	516
including		92.65	93.77	1.12	7.47	1350
KL-12-80	Eastern Klaza	187.53	189.95	2.42	2.29	24.7
and		196.95	204.20	7.25	1.06	8.58
including		203.15	204.20	1.05	6.52	6.88
and		288.00	289.25	1.25	1.94	3.22
KL-12-81	Dickson	12.68	13.68	1.00	2.84	14.5
and		28.24	29.76	1.52	1.61	3.44
and		59.43	61.61	2.18	4.81	2.36
and		89.37	90.37	1.00	3.63	130
KL-12-82	Eastern Klaza	92.90	94.50	1.60	0.85	369
and		185.52	189.75	4.23	0.54	36.09
including		185.52	186.52	1.00	1.76	146
and		240.22	247.04	6.82	1.13	14.6
including		240.22	241.23	1.01	3.19	49.2
KL-12-83	Dickson	45.01	46.36	1.35	5.83	132
and		105.83	107.17	1.34	0.73	59.1
KL-12-85	Eastern Klaza	207.64	208.64	1.00	0.62	36.5
KL-12-86	Dickson	115.69	116.69	1.00	7.08	127
KL-12-87	Regional	194.50	196.00	1.50	1.19	7.06
KL-12-88	BRX	236.83	247.42	10.59	1.36	58.1

including		236.83	239.41	2.58	4.64	181
KL-12-89	Pika	55.39	57.59	2.20	3.84	43.2
KL-12-91	AEX?	98.02	99.07	1.05	17.65	119
and	BRX	295.13	296.50	1.37	3.27	33.6
and		333.89	336.13	2.24	0.73	19.5
KL-12-92	Pika	117.08	120.05	2.97	1.14	4.5
and	Herc	171.82	172.82	1.00	2.80	8.46
KL-12-95	Pika	121.65	123.08	1.43	1.38	0.74
and	Herc	250.57	252.85	2.28	3.39	205
and		258.75	259.75	1.00	1.38	53.7
KL-12-93	Pika	90.17	93.59	3.42	1.51	23.2
including		90.17	91.51	1.34	3.47	21.2
and		108.70	109.70	1.00	6.29	61.9
KL-12-96	BRX	329.74	345.36	15.62	5.78	111
including		329.74	332.06	2.32	25.10	621
and including		342.46	345.36	2.90	10.55	92.7
KL-12-97	AEX	63.85	65.33	1.48	1.15	5.54
and		72.74	75.29	2.55	1.57	4.26
and	BRX	223.86	225.69	1.83	1.61	12.7
and		236.92	248.51	11.59	1.71	6.44
including		236.92	238.23	1.31	13.05	17.65
KL-12-99	BRX	204.22	205.22	1.00	0.52	118
KL-12-100	Herc	208.55	209.55	1.00	0.45	61.4
and		247.04	248.04	1.00	1.31	29.3
KL-12-101	Dickson	44.37	45.60	1.23	2.37	34.4
KL-12-102	BRX	296.93	308.20	11.27	0.31	40.5
including		296.93	298.44	1.51	1.75	209

KL-12-103	AEX	19.28	20.28	1.00	1.16	35.7
and		26.07	29.90	3.83	1.21	49.0
including		28.38	29.90	1.52	1.90	111
KL-12-105	BRX	179.84	180.95	1.11	0.54	50.0
and		189.46	191.11	1.65	1.62	286
KL-12-106	BRX	227.99	228.99	1.00	1.01	59.3
and		250.36	251.36	1.00	3.42	116
KL-12-107	Western Klaza	111.49	112.49	1.00	4.64	191
and		121.73	122.73	1.00	1.18	3.42
and		204.80	206.08	1.28	2.13	4.94
KL-12-108	Dickson	73.71	77.09	3.38	3.09	78.6
KL-12-109	AEX	4.90	6.89	1.99	1.29	24.7
and	BRX	266.67	267.86	1.19	3.57	283
and		276.97	277.97	1.00	0.92	16.9
KL-12-110	Eastern Klaza	36.82	38.05	1.23	1.39	7.64
and		49.22	50.22	1.00	1.96	8.46
and		56.53	62.94	6.41	1.71	10.53
including		61.83	62.94	1.11	4.81	39.1
and		113.75	114.77	1.02	1.22	156
and		136.80	137.80	1.00	0.72	33.6
and		212.52	213.52	1.00	1.26	3.97
and		218.82	219.82	1.00	1.67	6.1
and		233.00	234.01	1.01	1.55	40.2
and		298.35	299.94	1.59	1.50	2.76
and		302.97	304.08	1.11	1.40	2.77
and		319.64	322.01	2.37	3.18	1.67
KL-12-112	BRX	262.34	263.11	0.77	1.74	167
and		266.09	267.09	1.00	1.08	19.8
KL-12-114	BRX	45.58	47.85	2.27	6.86	153

and		81.15	82.15	1.00	2.26	51.2
and	Pika	106.64	119.22	12.58	2.25	40.0
including		106.64	107.64	1.00	9.55	137
and including		117.70	119.22	1.52	11.30	233
and	Herc	183.51	185.85	2.34	1.32	8.4
KL-12-115	Western Klaza	180.42	181.53	1.11	1.60	1.08
and		214.47	221.59	7.12	4.51	332
including		214.47	215.50	1.03	2.98	1560
and including		219.48	221.59	2.11	13.75	357
KL-12-116	Eastern Klaza	115.75	116.75	1.00	0.53	53.6
and		211.09	212.09	1.00	2.56	2.31
and		226.79	227.92	1.13	2.15	8.35
and		229.24	230.62	1.38	0.98	19.6
and		273.35	274.35	1.00	0.98	12.9
and		297.74	298.79	1.05	3.81	6.6
and		323.81	325.22	1.41	0.70	34.9
and		368.50	369.51	1.01	1.76	11.65
and		396.00	397.00	1.00	1.22	0.59
KL-12-117	Chevron	108.81	109.81	1.00	1.73	38.0
KL-12-118	BRX	158.42	166.05	7.63	0.62	33.3
including		165.05	166.05	1.00	1.85	145
KL-12-120	Chevron	72.79	73.80	1.01	2.54	45.6
and		101.09	102.35	1.26	3.97	95.4
and		118.73	119.73	1.00	0.34	50.0
KL-12-121	Eastern Klaza	87.69	89.03	1.34	1.29	5.02
and		93.50	94.50	1.00	0.71	25.1
and		295.70	296.85	1.15	1.24	1.58
and		301.10	302.12	1.02	1.22	2.48
and		374.60	376.42	1.82	1.52	4.14
and		386.60	404.63	18.03	1.43	2.69
including		386.60	387.70	1.10	5.30	11.8

and including		393.79	396.09	2.30	3.88	4.38
KL-12-122	Western Klaza	35.45	37.20	1.75	0.48	82.5
and		160.20	161.50	1.30	0.70	40.1
and		207.07	208.07	1.00	2.42	37.0
and		235.45	238.35	2.90	1.44	15.83
including		235.45	237.16	1.71	2.09	20.3
and		301.20	302.25	1.05	15.90	333
KL-12-123	BRX	248.85	249.85	1.00	5.09	37.4
and		258.33	259.53	1.20	1.89	13.9
and		277.07	278.07	1.00	1.02	15.05
KL-12-124	Western Klaza	7.20	9.82	2.62	1.33	42.6
and		42.00	43.00	1.00	0.67	49.5
and		202.94	203.94	1.00	1.98	72.3
and		260.75	264.59	3.84	0.95	40.1
and		291.78	292.91	1.13	1.08	34.1
KL-12-125	BRX	202.93	203.98	1.05	3.94	18.2
and		225.17	228.69	3.52	1.83	17.81
including		225.17	226.51	1.34	2.69	29.9
and		236.83	237.83	1.00	1.56	18.55
and		252.07	257.00	4.93	2.86	20.2
including		252.07	253.44	1.37	5.75	8.05
and including		255.85	257.00	1.15	5.36	75.8
and		265.26	266.26	1.00	2.49	3.33
and		269.73	270.73	1.00	4.96	5.95
KL-12-126	BRX	65.30	68.95	3.65	1.31	43.9
including		65.30	66.40	1.10	1.62	116
and including		67.80	68.95	1.15	2.40	22.9
and	Pika	133.70	135.30	1.60	4.40	4.06
and		145.40	147.30	1.90	2.06	23.9
and		179.92	181.97	2.05	1.58	1.54
and		189.50	190.50	1.00	1.56	2.5

KL-12-127	Western Klaza	37.51	38.56	1.05	1.72	94.8
and		168.11	169.11	1.00	5.73	204
and		186.35	187.35	1.00	1.41	169
KL-12-128	BRX	160.74	162.15	1.41	1.15	10.85
and		163.80	164.80	1.00	0.80	23.6
and		171.48	174.15	2.67	1.08	0.96
KL-12-131	Western Klaza	168.80	172.30	3.50	1.28	14.69
including		168.80	169.90	1.10	2.75	1.05
and		243.09	246.50	3.41	1.28	135
including		243.09	245.25	2.16	1.25	207
and		291.50	292.50	1.00	0.55	46.0
KL-12-132	BRX	186.88	188.36	1.48	5.11	41.1
KL-12-133	Central Klaza	104.20	105.20	1.00	0.82	88.4
and		136.25	137.27	1.02	1.03	28.3
and		160.63	161.63	1.00	1.62	105
and		237.41	239.41	2.00	2.36	218
including		237.41	238.41	1.00	3.22	400
and		260.45	261.45	1.00	1.92	13.6
and		292.77	293.77	1.00	2.13	19.3
and		334.30	336.10	1.80	2.78	29.0
and		359.93	360.93	1.00	0.66	265
and		383.27	384.27	1.00	0.97	16.0
and		422.76	423.76	1.00	1.57	55.3
and		439.00	445.70	6.70	11.90	5.23
including		439.00	440.00	1.00	5.25	8.32
and including		442.70	445.70	3.00	24.50	3.39
KL-12-134	BRX	65.60	66.90	1.30	0.36	53.1
KL-12-135	BRX	433.51	436.15	2.64	3.66	112
including		434.70	436.15	1.45	5.87	197
KL-14-136	BRX	58.30	58.80	0.50	2.98	12.5

KL-14-137	secondary	24.42	27.41	2.99	1.92	29.8
and	BRX	110.87	112.28	1.41	10.60	32.2
including		111.40	111.71	0.31	38.90	107
and		125.15	128.10	2.95	26.90	181
including		125.15	126.46	1.31	56.40	318
KL-14-138	BRX	131.80	132.43	0.63	40.50	536
KL-14-139	secondary	98.05	98.81	0.76	1.98	13.0
KL-14-141	secondary	109.40	110.35	0.95	1.84	13.0
and	BRX	137.21	138.31	1.10	29.90	660
KL-14-142	BRX	155.13	157.52	2.39	6.38	83.8
including		157.16	157.52	0.36	39.00	498
KL-14-143	BRX	118.92	120.20	1.28	2.23	47.0
and		123.40	125.05	1.65	28.90	669
KL-14-144	BRX	102.27	104.67	2.40	10.25	259
including		102.92	103.76	0.84	26.80	705
and		108.34	112.10	3.76	10.99	21.0
including		111.09	112.10	1.01	29.30	36.8
KL-14-145	BRX	96.99	99.89	2.90	10.79	121
including		96.99	97.76	0.77	13.05	310
and including		99.59	99.89	0.30	67.40	320
KL-14-146	secondary	63.36	64.36	1.00	3.62	24.9
KL-14-147	BRX	145.81	150.40	4.59	7.36	225
including		145.81	147.70	1.89	15.95	123
and including		149.56	150.40	0.84	4.06	946
KL-14-148	BRX	190.95	194.97	4.02	1.35	10.5
and	secondary	210.20	210.47	0.27	4.31	148

KL-14-149	BRX	60.00	60.95	0.95	0.76	2.51
KL-14-149		67.68	71.35	3.67	1.39	4.58
KL-14-149		76.03	77.53	1.50	0.51	15.7
KL-14-149		84.94	87.55	2.61	0.92	12.6
KL-14-150	BRX	46.49	49.47	2.98	26.71	172
incl.		46.49	47.17	0.68	51.50	181
and incl.		48.31	49.47	1.16	38.20	333
and		57.92	58.43	0.51	1.64	36.7
KL-14-151	BRXb	142.95	144.20	1.25	1.50	77.8
and	BRX	183.95	187.16	3.21	22.43	245
and		183.95	188.18	4.23	17.37	193
incl.		183.95	184.75	0.80	31.00	310
and incl.		186.44	187.16	0.72	64.90	725
KL-14-152	BRXb	6.24	9.66	3.42	1.63	5.54
and	BRX	61.20	64.24	3.04	7.86	61.3
incl.		62.14	62.83	0.69	25.20	163
KL-14-153	BRXb	17.37	18.09	0.72	8.74	71.2
and	BRX	63.30	67.10	3.80	4.47	23.8
incl.		66.70	67.10	0.40	19.10	112
and		71.45	73.51	2.06	14.30	142
incl.		72.75	73.51	0.76	32.20	252
and		63.30	73.51	10.21	4.59	38.1
KL-14-154	BRX	46.70	49.27	2.57	26.39	163
incl.		46.70	47.70	1.00	66.20	403
and		60.05	60.38	0.33	2.74	7.04
KL-14-155	BRX	105.60	106.02	0.42	6.14	369
and		116.70	117.02	0.32	3.09	18.8
KL-14-156	BRXb	114.03	114.50	0.47	6.05	101
and	BRX	196.32	198.81	2.49	5.68	253
incl.		197.84	198.81	0.97	14.30	513

KL-14-157	BRX	69.59	71.33	1.74	9.65	240
incl.		69.59	70.24	0.65	18.55	334
and		79.52	79.93	0.41	1.58	777
KL-14-158	BRX	144.65	146.04	1.39	12.28	123
incl.		144.65	145.57	0.92	17.27	175
and		163.12	163.88	0.76	27.84	291
incl.		163.12	163.62	0.50	42.00	432
KL-14-159	PEARL	22.86	25.91	3.05	1.52	8.61
and		184.40	184.83	0.43	1.90	3.2
and		215.15	215.80	0.65	2.23	23.8
KL-14-160	BRX	74.20	76.14	1.94	2.15	88.4
KL-14-161	BRX	36.91	37.37	0.46	0.47	110
KL-14-162	Pearl	38.35	40.08	1.73	2.00	7.27
and		52.25	52.70	0.45	2.94	64.0
KL-14-163	BRX	170.63	171.14	0.51	4.06	75.5
KL-14-165	BRX	84.30	88.35	4.05	1.30	59.9
incl.		84.30	85.34	1.04	4.70	190
KL-14-166	Central Klaza	32.37	35.52	3.15	1.62	59.0
incl.		32.37	32.90	0.53	3.09	118
and		48.75	49.80	1.05	1.64	147
and		70.62	71.63	1.01	0.15	154
and		98.68	100.15	1.47	2.00	17.4
KL-14-167	BRX	142.17	145.24	3.07	0.31	121
incl.		142.17	142.56	0.39	2.02	619
and		150.74	152.60	1.86	1.24	107
incl.		150.74	151.33	0.59	3.27	304
KL-14-168	BRX	141.93	144.38	2.45	0.55	39.9

incl.		141.93	142.34	0.41	1.68	114
and		149.10	149.55	0.45	1.84	116
KL-14-169	Central Klaza	77.28	78.46	1.18	6.01	72.7
and		88.35	95.20	6.85	0.68	10.7
incl.		94.80	95.20	0.40	6.57	116
and		126.20	126.74	0.54	3.37	112
and		138.40	141.02	2.62	3.87	38.3
incl.		140.06	141.02	0.96	7.13	46.6
KL-14-170	BRX	184.03	185.67	1.64	1.21	271
incl.		184.96	185.41	0.45	2.49	664
KL-14-171	Central Klaza	76.78	81.19	4.41	3.58	160
incl.		76.78	77.40	0.62	22.90	1100
and		137.22	137.95	0.73	11.85	56.4
KL-14-172	BRXb	180.31	182.22	1.91	2.85	20.4
and	BRX	261.29	265.74	4.45	6.65	157
incl.		261.29	262.30	1.01	27.80	656
KL-14-173	Central Klaza	74.90	76.83	1.93	3.03	39.0
and		104.30	105.37	1.07	1.00	291
KL-14-174	Central Klaza	35.92	37.39	1.47	4.08	71.1
KL-14-175	Central Klaza	87.47	88.72	1.25	1.58	128
and		129.20	130.17	0.97	4.67	34.0
and		142.17	144.12	1.95	1.72	12.6
and		150.05	150.65	0.60	1.98	66.6
and		185.83	187.20	1.37	1.04	58.9
and		201.35	204.60	3.25	1.67	29.0
incl.		201.35	202.41	1.06	2.10	62.1
KL-14-176	Western Klaza	58.61	58.86	0.25	10.25	130

KL-14-177	BRX	279.39	281.80	2.41	8.71	38.2
incl.		281.14	281.80	0.66	26.80	101
KL-14-178	Western Klaza	95.86	97.64	1.78	14.19	353
including		95.86	96.82	0.96	25.30	637
KL-14-179	Western Klaza	111.85	112.69	0.84	3.20	149
KL-14-180	secondary	45.20	46.20	1.00	1.64	361
and	Western Klaza	249.55	250.61	1.06	20.60	93.8
KL-14-181	BRX	285.06	287.45	2.39	10.21	115
incl.		286.34	287.45	1.11	20.73	235
KL-14-182	Klaza	183.89	184.71	0.82	14.60	778
KL-14-183	BRXb	163.68	164.84	1.16	3.62	107
and	BRX	225.44	226.01	0.57	2.88	16.0
and		231.52	232.16	0.64	2.99	53.2
and		261.22	261.59	0.37	35.50	359
KL-14-184	Western Klaza	163.62	170.65	7.03	3.55	41.6
including		163.62	163.86	0.24	12.60	1130
and including		169.99	170.65	0.66	30.90	5.28
KL-14-185	secondary	49.30	50.30	1.00	0.66	314
and	Western Klaza	147.17	149.74	2.57	3.94	270
including		147.17	148.85	1.68	5.20	168
KL-14-186	BRX	219.02	221.20	2.18	10.23	298
incl.		219.02	219.76	0.74	3.79	593
and incl.		220.74	221.20	0.46	41.80	433
KL-14-187	secondary	39.82	40.96	1.14	3.13	8.85
and	Western Klaza	203.30	203.82	0.52	8.35	96.0
and		212.26	212.52	0.26	5.11	420

KL-14-188	BRX	211.25	213.05	1.80	2.08	3.81
and		215.28	218.75	3.47	9.86	220
incl.		217.28	218.75	1.47	21.50	323
KL-14-189	Western Klaza	133.45	136.36	2.91	4.35	159
including		133.45	134.39	0.94	5.80	250
KL-14-190	Western Klaza	121.08	122.21	1.13	2.84	25.3
and		140.19	140.55	0.36	6.59	107
KL-14-192	BRX	230.30	235.13	4.83	2.08	30.6
incl.		230.30	231.20	0.90	8.92	63.5
KL-14-193	Central Klaza	157.49	158.11	0.62	2.63	53.3
and		180.50	180.70	0.20	2.25	169
and		249.84	253.00	3.16	2.59	9.16
incl.		252.71	253.00	0.29	23.60	55.1
KL-14-194	BRX	63.23	63.95	0.72	6.05	318
and		72.40	73.65	1.25	2.84	185
incl.		72.75	73.65	0.90	3.84	241
KL-14-195	BRX	214.94	218.57	3.63	3.21	18.7
incl.		214.94	215.51	0.57	6.14	44.0
and incl.		218.23	218.57	0.34	13.30	68.1
KL-14-196	BRX	57.72	62.33	4.61	1.92	214
incl.		57.72	58.78	1.06	2.65	359
and incl.		59.26	60.05	0.79	4.87	457
KL-14-197	BRX	79.70	80.43	0.73	6.76	978
KL-14-198	BRX	69.28	70.53	1.25	3.56	102
incl.		70.26	70.53	0.27	14.90	412
and		79.68	80.75	1.07	7.74	156
incl.		79.68	80.30	0.62	13.20	266

KL-14-199	Central Klaza	104.18	104.66	0.48	2.29	116
and		114.20	114.69	0.49	2.65	85.0
and		193.30	193.82	0.52	3.87	111
and		284.56	285.09	0.53	31.80	481
and		339.30	342.28	2.98	2.56	33.7
incl.		339.30	340.25	0.95	6.23	82.0
and		360.12	362.57	2.45	11.13	65.9
incl.		360.12	360.37	0.25	37.70	111
and incl.		362.25	362.57	0.32	55.30	406
and		377.15	377.67	0.52	2.30	122
KL-14-200	BRX	60.28	62.43	2.15	1.04	63.1
incl.		60.28	60.58	0.30	2.70	99.9
KL-14-201	Western Klaza	47.05	47.91	0.86	1.90	32.5
KL-14-202	BRX	69.05	69.35	0.30	2.49	80.2
KL-14-203	BRX	67.72	68.38	0.66	1.89	102
KL-14-204	Western Klaza	33.22	33.71	0.49	0.59	62.2
KL-14-205	BRX	76.76	79.11	2.35	1.28	104
incl.		77.51	78.33	0.82	2.49	203
KL-14-206	Western Klaza	83.70	85.71	2.01	2.56	757
KL-14-207	BRX	71.72	80.08	8.36	0.91	80.0
incl.		71.72	72.43	0.71	3.20	121
and incl.		74.33	74.93	0.60	5.40	110
and incl.		78.38	78.78	0.40	1.92	683
and incl.		79.73	80.08	0.35	1.96	582
KL-14-208	secondary	70.12	71.50	1.38	2.62	2.82
and	Western Klaza	129.38	129.89	0.51	16.45	208

KL-14-209	BRX	63.37	63.83	0.46	3.03	52.3
KL-14-210	Central Klaza	87.74	88.04	0.30	0.84	234
and		278.15	279.50	1.35	5.70	19.6
and		285.28	286.20	0.92	8.52	232
and		303.68	305.75	2.07	2.33	18.3
incl.		303.68	304.17	0.49	8.10	46.9
and		348.65	349.97	1.32	5.65	466
incl.		349.65	349.97	0.32	16.60	1900
KL-14-211	BRX	85.79	86.09	0.30	3.23	25.0
KL-14-212	Western Klaza	75.96	76.12	0.16	14.20	872
and		89.84	90.21	0.37	2.14	244
KL-14-213	BRX	56.61	57.71	1.10	7.79	128
incl.		57.04	57.71	0.67	12.15	196
KL-14-214	secondary	25.61	26.24	0.63	1.64	145
and	Western Klaza	72.27	73.54	1.27	7.74	427
including		72.27	72.70	0.43	14.35	1160
KL-14-215	BRX	73.03	73.75	0.72	10.20	95.8
KL-14-216	Western Klaza	55.74	56.61	0.87	13.92	495
including		55.74	55.93	0.19	49.50	1320
KL-14-217	BRX	57.70	60.00	2.30	2.71	10.4
incl.		58.00	58.30	0.30	17.20	36.3
and		71.39	82.00	10.61	0.89	29.6
incl.		73.90	74.91	1.01	3.12	76.1
and incl.		78.44	79.92	1.48	1.90	82.6
KL-14-218	Western Klaza	45.46	49.99	4.53	4.46	176
including		45.46	46.24	0.78	15.25	789
and including		49.69	49.99	0.30	25.10	544

KL-14-220	BYG	6.00	7.08	1.08	0.13	90.5
and		12.35	13.30	0.95	1.64	43.5
and		34.13	35.75	1.62	0.97	18.8
and	Western Klaza	267.63	270.06	2.43	2.82	61.2
including		269.60	270.06	0.46	9.83	305
and		277.19	278.65	1.46	15.38	741
including		277.19	277.72	0.53	33.20	1625
KL-14-221	Western Klaza	95.28	97.44	2.16	2.18	37.9
including		97.14	97.44	0.30	5.04	227
KL-14-222	Central Klaza	206.40	207.07	0.67	3.46	40.3
and		223.17	223.52	0.35	3.98	124
and		275.43	276.90	1.47	5.15	179
and		410.57	412.05	1.48	8.33	201
KL-14-224	BYG	17.89	19.57	1.68	11.22	10.6
and	Western Klaza	251.50	254.53	3.03	0.59	24.5
incl.		251.50	252.07	0.57	1.72	104
KL-14-229	BRX	301.81	302.90	1.09	3.68	38.2
incl.		302.57	302.90	0.33	10.90	94.7
KL-14-231	unnamed	133.25	133.91	0.66	4.31	15.7
KL-14-232	unnamed	48.36	49.69	1.33	2.29	38.8
and	Herc	196.41	196.66	0.25	8.06	175
and		204.14	204.69	0.55	6.75	25.4
KL-14-234	Pearl	97.28	99.85	2.57	2.09	5.68
and		128.79	129.20	0.41	5.97	13.6
and		263.86	264.26	0.40	4.20	15.8
KL-14-235	BRX	236.47	236.90	0.43	12.25	60.3
KL-14-238	BRX	502.44	520.94	18.50	2.19	120
incl.		519.57	520.94	1.37	16.29	1435

KL-14-239	unnamed	239.22	240.26	1.04	3.68	20.9
KL-15-240	Eastern BRX	35.05	36.05	1	3.41	2.26
including		46.9	51.6	4.7	1.24	8.54
and including		47.58	48.18	0.6	6.85	14.1
and including		51.18	51.6	0.42	2.11	41.6
and		69.33	69.83	0.5	1.72	30.7
and	Pika	107.4	110.63	3.23	3.22	48.2
including		107.4	109.81	2.41	4.08	63.5
and including		109.21	109.81	0.6	10.95	115
and	Secondary	155.77	157.58	1.81	2.02	0.87
KL-15-241	HW Central Klaza	32.77	33.57	0.8	0.8	61.4
and		134.03	134.76	0.73	2.26	29.5
and		145.33	148.77	3.44	0.66	48.4
including		145.33	145.67	0.34	5.29	214
and		205.69	206.11	0.42	1.7	161
and		222.21	222.94	0.73	1.18	4.66
and		257.96	258.35	0.39	1.89	28.2
and	Central Klaza	279.04	281.2	2.16	4.09	273
including		280.02	281.2	1.18	7.01	492
KL-15-242	Eastern BRX	44.81	47.85	3.04	1.01	85
including		47.23	47.85	0.62	2.46	156
and	Secondary	81.93	82.44	0.51	0.68	168
and	Pika	166.25	168.91	2.66	3.56	30
including		168.41	168.91	0.5	7.57	50.4
and	Secondary	174.82	178.34	3.52	1.55	12.3
including		176.98	177.73	0.75	4.9	28.5
and		190.95	191.5	0.55	3.98	16.2
KL-15-243	HW Central Klaza	20.43	20.73	0.3	0.15	183
and		53.76	54.12	0.36	0.19	814
and		75.62	76.92	1.3	0.1	99.8
and		151.2	152	0.8	1.96	38.5
and		156.61	157.04	0.43	2.11	20.3
and		206.74	207.55	0.81	2.22	512

including		207.04	207.55	0.51	3.1	720
and		336.89	337.45	0.56	1.86	42.6
and	Central Klaza	382.79	384.18	1.39	8.05	272
including		383.44	384.18	0.74	11.2	495
and	FW Central Klaza	454.99	455.29	0.3	2.95	7.54
and		489.18	489.58	0.4	2.73	295
and		492.68	492.98	0.3	3.67	314
KL-15-244	Eastern BRX	71.02	71.96	0.94	3.11	91.2
and	Secondary	99.89	102.23	2.34	0.87	3.92
and	Pika	130.57	135.28	4.71	1.07	7.14
including		132.83	133.3	0.47	7.54	49.3
and		196.84	198.59	1.75	6.01	192
including		196.84	197.68	0.84	11.55	396
KL-15-245	Secondary	105.44	105.9	0.46	2.77	837
and		137.03	137.42	0.39	0.8	259
and	Eastern BRX	151.87	152.98	1.11	1.35	18.1
and		157.37	157.73	0.36	1.05	234
and		161.42	166.93	5.51	2.21	21.4
including		161.42	161.83	0.41	7.45	129
and including		166.42	166.93	0.51	14.85	101
and	Secondary	188.5	188.8	0.3	11.05	8.26
and		193.34	194.88	1.54	1.06	0.81
and		198.01	200.09	2.08	1.29	4.34
and	Pika	205	206.35	1.35	4.06	19
including		205	205.58	0.58	8.47	42.1
and		263.46	263.77	0.31	1.01	43
and		265.09	266.17	1.08	1.67	66.8
including		265.75	266.17	0.42	3.5	168
KL-15-247	Western Klaza HW	5.18	5.76	0.58	5.51	907
and	Western Klaza	267.63	274.4	6.77	0.92	6.35
including		273.13	274.4	1.27	2.86	23.3
and	Western Klaza FW	293.62	293.96	0.34	7.28	75.5
KL-15-248	Secondary	63.69	64.59	0.9	4.27	98.1

and		73.45	76.25	2.8	3.25	40.5
including		75.37	76.25	0.88	8.79	110
and	AEX	97.32	97.74	0.42	26.9	576
and	Secondary	121.8	123.21	1.41	3.33	38.6
including		121.8	122.15	0.35	12.8	45.4
and		148.44	149.25	0.81	1.3	4.52
and		159.93	160.63	0.7	1.61	34
and		165.76	167.18	1.42	1.07	12.2
and		201.83	202.87	1.04	2.15	10.8
and		209.13	209.84	0.71	2.66	21.7
and	Eastern BRX	214.65	216.65	2	4.45	15.3
including		216.35	216.65	0.3	14.1	62.7
and		228.82	234.5	5.68	1.65	6.44
including		228.82	230.3	1.48	1	10.9
and including		233.67	234.5	0.83	9.24	19.4
and	Pika	272.48	273.22	0.74	4.68	5.3
including		272.89	273.22	0.33	8.17	8.29
KL-15-249	Western Klaza	195.36	197.5	2.14	2.84	357
including		195.36	195.76	0.4	12.1	1890
and	Western Klaza FW	235.63	236.41	0.78	2.18	313
KL-15-250	Secondary	19.55	19.89	0.34	11.25	489
and	AEX	25.92	26.24	0.32	2.91	78
and	Secondary	53.95	55.04	1.09	1.89	34.6
including		54.74	55.04	0.3	5.59	99.7
and		112.07	115.03	2.96	1	10
including		112.07	112.53	0.46	2.15	14.2
and including		113.89	114.71	0.82	2.02	24.9
and	Eastern BRX	133.43	137.5	4.07	1.1	18.4
including	Eastern BRX	136.87	137.5	0.63	4.5	51.4
and	Secondary	168.27	168.78	0.51	1.82	6.74
and		186.45	186.82	0.37	5.99	27.7
and	Pika	218.66	219	0.34	1.6	6.89
and		220.8	222.01	1.21	1.16	8.36
and		225.54	227.97	2.43	1.58	5.2
KL-15-251	Western Klaza	2.53	3.58	1.05	1.25	63.3

	HW					
and		43.73	44.09	0.36	1.5	198
and	Western Klaza	211.79	213.35	1.56	3.62	102
including		211.79	212.09	0.3	12.55	524
and		214.9	215.34	0.44	1.34	2.29
and	Western Klaza FW	273.68	274	0.32	1.82	44.6
KL-15-252	AEX	113.53	113.87	0.34	1.37	10.3
and	Secondary	132.71	135.53	2.82	0.98	16
including		134.51	135.53	1.02	2.09	29.1
and		149.36	149.67	0.31	2.77	405
and		158.74	159.04	0.3	2.11	18.8
and		160.17	161.11	0.94	1.08	13.6
and	Eastern BRX	198	198.57	0.57	1.61	39.3
and	Eastern BRX	206.57	207.24	0.67	1.09	44.5
and	Pika	289.95	293.36	3.41	3.08	17.2
including		289.95	290.55	0.6	10.5	26.2
and including		292.96	293.36	0.4	10.4	104
KL-15-253	BYG	38.66	41.61	2.95	2.04	23.4
including		38.66	39.43	0.77	7.74	58.5
and	HW Western Klaza	72.66	74.59	1.93	1.72	27.3
and		221.57	223.05	1.48	2.56	40.5
and	Western Klaza	317.95	318.57	0.62	4.18	147
KL-15-254	HW Western BRX	227.5	227.96	0.46	1.08	45
and	Western BRX	287.23	288.42	1.19	6.67	143
including		287.23	288.12	0.89	8.16	174
and		293.91	296.01	2.1	3.57	83.9
including		295.53	296.01	0.48	13.4	325
KL-15-255	HW Central Klaza	89.29	89.59	0.3	5.85	54.1
and		132.29	132.59	0.3	1.22	11.4
and		163.59	163.89	0.3	2.78	153
and		179.09	179.39	0.3	4.12	49
and		197.88	198.18	0.3	0.25	177

and		204.63	204.93	0.3	1.85	10.9
and		263.24	263.58	0.34	0.56	85.4
and	Central Klaza	292.84	293.18	0.34	2.49	146
and		298.49	298.94	0.45	21.9	176
and	FW Central Klaza	357.44	358.4	0.96	6.9	302
KL-15-256	Western BRX	416.21	419.96	3.75	4.18	159
including		416.21	416.76	0.55	1.36	207
including		419	419.96	0.96	15.36	482
KL-15-257	HW Central Klaza	39.6	40.03	0.43	5.87	85
and		69.72	70.24	0.52	6.14	205
and	Central Klaza	93.15	94.08	0.93	0.67	80.7
and		101	110.47	9.47	1.25	22.4
including		101	102.07	1.07	5.64	81
and including		106.82	107.86	1.04	3.03	67.4
and		113.42	113.82	0.4	1.23	84.9
and		122.25	122.78	0.53	1.62	27.5
and		131.56	131.96	0.4	1.56	23
KL-15-258	Central Klaza	10.34	14.02	3.68	11.28	75.9
including		10.34	10.93	0.59	29.3	121
and including		11.58	11.95	0.37	16.35	50.8
and including		12.75	14.02	1.27	13.5	140
and	FW Central Klaza	43.93	45.91	1.98	5.05	68.7
KL-15-259	FW Central Klaza	51.38	52.34	0.96	5.99	165
KL-15-260	HW Western BRX	114.32	114.62	0.3	1.78	8.64
and	Western BRX	418.9	419.2	0.3	4.25	19.3
and		427.24	427.6	0.36	1.07	1.57
and		429.69	430.15	0.46	1.92	10.6
and		432.83	433.38	0.55	7.01	554
and		438.08	439.88	1.8	3.14	44.3

KL-15-261	Central Klaza	46.8	52.32	5.52	1.35	12.5
and	FW Central Klaza	108.01	112.29	4.28	3.41	19.2
including		109.42	111.5	2.08	5.2	24.7
and		151.41	151.73	0.32	3.01	422
and		156.37	157.05	0.68	5.53	45.9
KL-15-262	HW Central Klaza	25	25.93	0.93	6.16	65.2
including		25.4	25.93	0.53	9.81	105
and	Central Klaza	50.65	50.98	0.33	1.12	13.8
and	FW Central Klaza	67.53	67.84	0.31	2.28	12.2
and		105.14	105.81	0.67	9.84	14.6
and		144.87	145.18	0.31	31.6	100
and		175.42	175.81	0.39	0.57	510
and		198.53	198.83	0.3	1.64	16.4
and		200.47	200.77	0.3	3.06	15.2
KL-15-263	Secondary	105.53	105.86	0.33	6.13	69.9
KL-15-264	HW Western BRX	16.2	16.5	0.3	5.69	2.4
and		124.65	124.97	0.32	1.14	11.8
and	Western BRX	148.08	148.44	0.36	1.44	15
and		158.62	159.67	1.05	18.7	489
KL-15-265	BYG	38.68	41.63	2.95	5.51	141
including		38.68	39.11	0.43	13.95	546
including		40.18	40.86	0.68	8.46	212
and		46.68	48.39	1.71	2.07	107
including		46.98	47.62	0.64	4.44	264
and	HW Central Klaza	80.89	81.46	0.57	1.24	42.3
and		192.41	192.87	0.46	1.45	25.7
and		229.9	230.86	0.96	1.19	51.7
including		229.9	230.47	0.57	1.64	77.1
and	Central Klaza	289.87	290.21	0.34	14.55	981

and		297.31	297.91	0.6	2.67	21.5
and		300.58	301.73	1.15	4.93	102
including		300.58	301.1	0.52	9.86	212
and		325.22	326.08	0.86	4.61	18.6
and	FW Central Klaza	352.91	354.47	1.56	1.88	23.3
and		378.2	378.66	0.46	2.29	64
and		412.72	413.69	0.97	1.12	7.26
and		450.73	453.17	2.44	6.71	0.54
and		480.97	481.36	0.39	1.54	38.7
KL-15-266	Western BRX	155.57	156.23	0.66	5.35	111
KL-15-267	Central BRX	221.37	221.88	0.51	3.07	29.8
and		225.93	227.15	1.22	1	31.4
KL-15-268	Central BRX	108.93	109.33	0.4	1.94	172
and		118.68	119.32	0.64	4.3	355
KL-15-269	Central BRX	199	199.89	0.89	1.1	89.2
and		209.45	209.75	0.3	0.83	63.5
KL-15-270	Central Klaza	29.87	35.96	6.09	9.46	84.9
including		30.9	32.59	1.69	22.14	254
including		33.47	33.88	0.41	10.8	5.56
including		34.75	35.29	0.54	21.4	102
and	FW Central Klaza	38.9	39.28	0.38	1.38	1.76
and		47.96	48.27	0.31	12.3	75.6
and		71.73	72.77	1.04	11.29	120
including		72.04	72.45	0.41	20	285
and		122.79	124.72	1.93	1.28	16
and		125.59	126.51	0.92	3.84	39.1
KL-15-271	Western BRX	368.26	368.56	0.3	3.21	13.4
and		372.52	373.41	0.89	8.52	374
including		372.52	372.93	0.41	15.5	655
and		378.04	380.04	2	14.88	162
including		378.04	378.34	0.3	21.4	252
and including		379.39	380.04	0.65	34.9	369

and		383.8	384.23	0.43	0.7	17.2
KL-15-272	Central Klaza	94.01	94.64	0.63	1.01	6.11
and		97.48	102.84	5.36	1.89	10.9
including		97.48	98.59	1.11	5.09	14.9
and including		102.53	102.84	0.31	14.35	132
and		108.41	108.74	0.33	1.78	8.12
and		139.68	140.23	0.55	1.52	22.6
and	FW Central Klaza	192.14	192.44	0.3	7.28	173
and		220.46	220.76	0.3	2.79	40.6
and		224.06	224.36	0.3	5.76	341
and		243.23	244.26	1.03	10	25.5
KL-15-273	HW Central Klaza	18.16	18.49	0.33	2.03	139
and		39.06	42.83	3.77	1.35	17.7
including		42.44	42.83	0.39	11.2	135
and		68.19	68.6	0.41	1.48	16.8
and		77.93	78.23	0.3	1.62	145
and		82.18	82.51	0.33	2.27	51.3
and		107.74	108.04	0.3	4.2	73.3
and	Central Klaza	144.18	144.5	0.32	3.71	59
and		163.74	165.16	1.42	1.05	40.1
and		171.19	171.95	0.76	1.44	16.7
and		182.31	184	1.69	4.21	61.4
including		183.15	183.47	0.32	17.45	110
and		190.59	191.02	0.43	1.51	5.33
and		195.48	195.78	0.3	3.37	26.2
KL-15-274	Western BRX	367.65	368.91	1.26	9.97	471
including		368.47	368.91	0.44	12.75	727
and		371.96	372.44	0.48	8.15	107
KL-15-275	HW Central Klaza	83.58	84.01	0.43	1.74	64.3
and		152.06	152.38	0.32	7.31	240
and	Central Klaza	259.67	260.04	0.37	1.15	17.7
and		369.58	371.97	2.39	5.29	132
and	FW Central	424.33	424.68	0.35	4.13	510

	Klaza					
KL-15-276	Western BRX	423.39	424.01	0.62	9.6	173
including		423.39	423.7	0.31	18	318
KL-15-277	HW Central Klaza	27.51	27.81	0.3	0.99	104
and		112.1	112.41	0.31	3.83	201
and	Central Klaza	157.83	158.48	0.65	2.18	18
and		181.61	182.08	0.47	1.88	77.5
and		184.74	185.25	0.51	1.92	56.4
and		206.53	207.26	0.73	7.75	36
and	FW Central Klaza	233.42	235.49	2.07	1.65	5.49
and		242.98	243.5	0.52	5.59	77
KL-15-278	Western Klaza	225.91	226.34	0.43	2.69	14
and		239	240.86	1.86	9.12	90.5
including		239	239.39	0.39	29.9	370
and		247.1	247.4	0.3	6.21	2.53
and		248.78	249.87	1.09	1.04	2.45
and		253.18	255.26	2.08	1.26	57.4
KL-15-279	HW Western BRX	371.84	372.56	0.72	2.73	0.72
and	Western BRX	460.68	461.13	0.45	4.76	85
KL-15-280	Secondary	16.89	17.21	0.32	1.63	2.15
and	BYG	78.13	78.44	0.31	6.53	2.56
and		87	88.08	1.08	1.77	73.3
and		92.21	92.7	0.49	2.16	0.64
and		113.73	114.08	0.35	9.84	195
KL-15-281	BYG	7.49	7.84	0.35	1	102
and		45.49	45.73	0.24	2.77	139
and		62.19	62.75	0.56	0.27	110
KL-15-282	BYG	79.52	80.09	0.57	1.62	39.9
and		82.77	87.48	4.71	1.45	49.2
including		85.06	85.39	0.33	7.26	452

KL-15-283	BYG	93.04	95.77	2.73	2.26	14.4
including		95.28	95.77	0.49	9.76	43.7
and	HW Central Klaza	151.57	151.96	0.39	4	35.7
KL-15-284	BYG	63.53	63.84	0.31	1.95	48
KL-15-285	BYG	73.58	73.93	0.35	0.48	98
and		76.6	76.9	0.3	0.16	334
and		92.31	93.39	1.08	3.19	6.94
including		92.31	92.85	0.54	5.81	9.61
and		95.25	95.74	0.49	1.42	7.06
and		97.64	98.9	1.26	1.81	6.37
and		101.96	102.29	0.33	1.47	4.24
and	HW Central Klaza	122.53	124.05	1.52	1.34	19.8
KL-15-286	HW Western BRX	328.81	329.11	0.3	1.01	8.99
and	Western BRX	353.49	355.93	2.44	2.55	30.3
including		355.63	355.93	0.3	8.32	113
KL-15-287	BYG	48.53	49.35	0.82	0.88	83.1
and		78.99	79.44	0.45	1.14	82.4
and	HW Central Klaza	95.4	95.7	0.3	0.49	74.2
and		97.52	97.83	0.31	1.47	17.6
KL-15-288	HW Central Klaza	36.55	37.1	0.55	1.31	8.2
and	Central Klaza	66.68	71.14	4.46	2.12	153
including		66.68	66.99	0.31	10.15	870
and		69.14	69.82	0.68	6.04	575
and	FW Central Klaza	106.9	109.11	2.21	3.8	187
including		108.43	109.11	0.68	7.46	541
and		111.92	112.24	0.32	1.52	21.7
KL-15-291	HW Western BRX	330.29	331.77	1.48	4.88	4.85
and	Western BRX	381.71	386.14	4.43	5.89	75.6
including		381.71	382.44	0.73	31.48	135

and including		385.66	386.14	0.48	1.68	454
and		388.31	389.56	1.25	4.02	150

* Represents the sample length. True widths are estimated to be approximately 80-90% of the interval.

APPENDIX VII

GEOTECHNICAL REPORT – EBA ENGINEERING

TETRA TECH EBA

Preliminary Hydrogeological Assessment
Klaza Property, Yukon

PRESENTED TO

Rockhaven Resources Ltd.

DECEMBER 24, 2015
ISSUED FOR USE
FILE: ENVMIN03054-01

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EXECUTIVE SUMMARY

The Klaza Property, which is 100% owned by Rockhaven, hosts high grade gold-silver-lead-zinc-copper veins and is located within the southern part of the Dawson Range Gold Belt. The property has been explored by Rockhaven since 2010. Recent exploration activities, all managed by Archer, Cathro & Associates (1981) Limited (Archer Cathro) on behalf of Rockhaven, have mainly focused on two of the nine identified mineralized zones on the property, namely the BRX and Klaza Zones.

In anticipation of a future application under the Yukon Environmental and Socioeconomic Assessment Act (YESAA) and the Waters Act as part of the mine permitting process, Tetra Tech EBA Inc. (Tetra Tech EBA) was retained by Rockhaven Resources (Rockhaven) to install a groundwater monitoring well network in the area of the identified resource and to conduct a preliminary hydrogeological assessment for the area of the mineralized zones at Klaza. The results of the preliminary hydrogeological assessment will also be useful for the purpose of a conceptual mine design as the Klaza project moves toward the pre-feasibility stage.

A preliminary monitoring well network consisting of five nested monitoring wells was installed at the Klaza Property with monitoring well locations downgradient of the main mineralized zones, including Western and Central Klaza, and Western, Central, and Eastern BRX. One shallow piezometer and one deep piezometer were installed at each location. The deep piezometers target the sub-permafrost aquifer whereas the shallow piezometers were installed within the anticipated active zone to monitor seasonal supra-permafrost groundwater.

In addition to the monitoring wells, four observations wells were installed with vibrating wire piezometers (VWPs) to monitor pore pressures at three different depths in each of the observation wells. The VWP observations wells were installed within the areas of the main mineralized zones, including Western and Central Klaza, and Western, Central, and Eastern BRX.

Ground temperatures and permafrost conditions were assessed using subsurface temperature data from the VWPs and one thermistor cable installed to a depth of about 100 m in the area of the Central Klaza zone.

The main conclusions of the preliminary hydrogeological assessment can be summarized as follows:

- Permafrost appears to act as a confining layer for the deeper bedrock aquifer. However, some uncertainty remains with respect to the permafrost temperature, extent, and interaction with groundwater that requires further data collection.
- The groundwater flow regime at the site is controlled by the steep terrain with groundwater flow from areas at higher elevations on the mountain slopes toward the valley bottoms with the groundwater flow generally mimicking the local topography.
- Hydraulic conductivities of the granodiorite bedrock aquifer were inferred from packer tests conducted in all four VWP observation wells and hydraulic response tests conducted in select monitoring wells. Inferred hydraulic conductivities ranged over several orders of magnitude from about 4×10^{-10} m/s to 1×10^{-5} m/s with an average hydraulic conductivity of 2×10^{-8} m/s. Hydraulic conductivity in bedrock is inferred to be largely controlled by fracture density and permeability.
- Groundwater samples for chemical analysis were collected from all monitoring wells in August 2015. The results show a similar hydrogeochemical composition with slight differences between samples due to sample location. All groundwater samples are of a calcium and/or magnesium dominant cation type, and bicarbonate and/or sulphate anion type.

- All groundwater samples, including those collected in the area of the ore deposit, showed a near neutral to slightly basic pH (between 7 and 8).
- Comparison of the groundwater chemistry results showed several natural exceedances of the Federal Interim Groundwater Quality Guidelines for Commercial and Industrial Land Uses and Protection of Freshwater Aquatic Life (FIG) guidelines. Exceedances included sulphate, fluoride, and the dissolved metals aluminum, cadmium, copper, iron, lead, selenium, silver, and zinc. The dissolved cadmium concentrations also exceeded the less stringent Yukon CSR Schedule 3, Generic Numerical Water Quality Standards for Aquatic Life (CSR-AW) standard in three of the samples.

Tetra Tech EBA makes the following recommendations for further hydrogeological assessment at Klaza:

- Seasonal groundwater monitoring should be continued for the existing monitoring and observation wells. A minimum of one year of baseline groundwater data will be required for a project proposal submission under YESAA to assess seasonal changes in groundwater quality and quantity. A future Type A Water Licence application will require a minimum of two consecutive years of baseline data.
- All monitoring wells should be surveyed for their location and elevation of the top of the PVC casing in the summer of 2016 with an accuracy of about ±1 cm or better.
- Given the inferred extent of permafrost at the site, a thorough understanding of the interaction between permafrost and groundwater will be a critical aspect of the hydrogeological baseline characterization at the site that is required for the environmental assessment and regulatory approval process as well as mine engineering purpose. We therefore recommend collecting additional ground temperature and hydrogeological data from the existing observation and monitoring wells as well as additional wells if required. The data should be used to update the preliminary conceptual hydrogeological model with an emphasis on permafrost-groundwater interaction.
- As the mine planning progresses, additional monitoring wells should be installed in the areas up- and downgradient of proposed mine infrastructure, including any proposed infrastructure that may affect groundwater quality and/or quantity during mine construction, operation, or closure (e.g., open pits, underground workings, tailings facility, waste rock dump(s), ore stock piles, mill, fuel and chemical storage, and camp facilities).
- The groundwater and surface water baseline data collection should be integrated and both data sets be interpreted with respect to groundwater-surface water interaction.

TABLE OF CONTENTS

EXECUTIVE SUMMARY I

1.0 INTRODUCTION 1
1.1 Purpose and Objective 1
1.2 Scope of Work 1
1.3 Limitations 2
1.4 Project Background 2

2.0 STUDY AREA 3
2.1 Location 3
2.2 Access 3
2.3 Physiography 3
2.4 General Hydrology and Meteorology 3
2.5 Geology 4
2.5.1 Surficial Geology 4
2.5.2 Bedrock Geology 4
2.5.3 Glacial History 4

3.0 METHODS 5
3.1 Monitoring Well and Instrumentation Installation 5
3.1.1 Drilling 5
3.1.2 Monitoring Wells 6
3.1.3 Vibrating Wire Piezometers 7
3.1.4 Ground Temperature Cable 8
3.2 Hydraulic Well Testing 8
3.2.1 Packer Testing 8
3.2.2 Hydraulic Response Testing 9
3.3 Groundwater Level Measurements 10
3.4 Groundwater Sampling 10

4.0 RESULTS AND DISCUSSION 12
4.1 Monitoring Well Completion 12
4.2 Vibrating Wire Piezometers 13
4.3 Ground Temperatures 13
4.4 Inferred Piezometric Elevations 17
4.5 Hydraulic Well Testing 18
4.5.1 Packer Testing Results 18
4.5.2 Hydraulic Response Testing Results 20
4.6 Groundwater Quality 21
4.7 Quality Assurance and Quality Control (QA/QC) 21
4.8 General Groundwater Chemistry 23
4.9 Major Ion Chemistry 23
4.10 Comparison with Applicable Regulatory Water Quality Guidelines 23

5.0 PRELIMINARY CONCEPTUAL HYDROGEOLOGICAL MODEL 26
5.1 Hydrostratigraphy 26
5.1.1 Overburden Aquifer 26
5.1.2 Bedrock Aquifer 26
5.2 Groundwater Flow Regime 27
5.3 Permafrost 28
5.4 Hydrogeochemistry 29
5.5 Groundwater – Surface Water Interaction 29

6.0 SUMMARY AND CONCLUSIONS 31

7.0 RECOMMENDATIONS 32

8.0 CLOSURE 33

REFERENCES 34

LIST OF TABLES IN TEXT

Table 3-1: Exploration drill holes used for hydrogeological investigations 5
Table 3-2: Cement-bentonite mix 8
Table 4-1: Summary of vibrating wire piezometers installed at the Klaza Property 14
Table 4-2: Ground temperature cable installation details 14
Table 4-3: Ground Temperature Measurements (GTC15-01) 15
Table 4-4: Depth of base of permafrost relative to location, elevation, and slope aspect 16
Table 4-5: Piezometric elevations inferred for the bedrock aquifer at the Klaza Property. 18
Table 4-6: Piezometric elevations inferred for the shallow perched aquifer within the active layer at the Klaza Property. 18
Table 4-7: Hydraulic response test results 21
Table 4-8: Groundwater monitoring QA/QC 22

LIST OF FIGURES IN TEXT

Figure 4-1: Ground Temperature Profiles 16
Figure 4-2: Correlation between permafrost thickness and elevation and slope aspect. The data point labels indicate the slope aspect at each observation well location. 17
Figure 4-3: Hydraulic conductivities inferred from packer tests vs. depth 20
Figure 4-4: Trilinear Piper Plot illustrating the major ion composition of the groundwater samples collected at the Klaza Property. 24
Figure 5-1: Piezometric elevations (hydraulic heads) inferred from pore pressure measurements using VWPs. All observations wells showed a vertical downward hydraulic gradient. All measurements were taken on August 22 and 23, 2015. 28

APPENDIX SECTIONS

TABLES

Table 1 Monitoring Well Completion Details
Table 2 VWP Installation and Datalogger Details
Table 3 Summary Packer Test Results
Table 4 Packer Test Data Quality Analysis
Table 5 Summary of Groundwater Chemistry Results
Table 6 Groundwater Quality Assurance/Quality Control Analytical Results

FIGURES

Figure 1 Site Location Plan
Figure 2 Site Plan
Figure 3 Preliminary Groundwater Contours (August 2015)
Figure 4 Packer Test Diagnostic Plots VWP15-01
Figure 5 Packer Test Diagnostic Plots VWP15-02
Figure 6 Packer Test Diagnostic Plots VWP15-03
Figure 7 Packer Test Diagnostic Plots VWP15-04
Figure 8 Inferred Hydraulic Conductivities, Recovery and RQD

APPENDICES

Appendix A Tetra Tech's General Conditions
Appendix B Well Logs
Appendix C Vibrating Wire Piezometer Data and Calibration Sheets
Appendix D Hydraulic Response Test Data Analysis
Appendix E Packer Test Data and Core Photo Log
Appendix F Laboratory Report
Appendix G Thermistor Calibration Sheet (GTC15-01)

LIMITATIONS OF REPORT

This report and its contents are intended for the sole use of Rockhaven Resources Ltd. and their agents. Tetra Tech EBA Inc. (Tetra Tech EBA) does not accept any responsibility for the accuracy of any of the data, the analysis, or the recommendations contained or referenced in the report when the report is used or relied upon by any Party other than Rockhaven Resources Ltd., or for any Project other than the proposed development at the subject site. Any such unauthorized use of this report is at the sole risk of the user. Use of this report is subject to the terms and conditions stated in Tetra Tech EBA's Services Agreement. Tetra Tech EBA's General Conditions are provided in Appendix A of this report.

1.0 INTRODUCTION

Tetra Tech EBA Inc. (Tetra Tech EBA) was retained by Rockhaven Resources Ltd. (Rockhaven) to install groundwater monitoring wells and other subsurface instrumentation to conduct a preliminary hydrogeological assessment of the Klaza Property, northwest of Carmacks, Yukon.

This report contains well completion information for five nested monitoring wells, four observations wells with vibrating wire piezometers (VWPs) and one observation well with a ground temperature cable installed at the Klaza Property in July and August 2015. In addition, the report also contains the results of hydraulic well tests to infer aquifer properties, and the results of the first round of groundwater monitoring and sampling following well completion and development. The groundwater information collected as part of the summer 2015 field program was used to conduct a preliminary hydrogeological assessment for the Klaza Property.

The Klaza Property is located northwest of Carmacks, Yukon, and is accessible by all-weather road from the North Klondike Highway (Figure 1).

1.1 Purpose and Objective

The purpose of this project was to initiate the collection of baseline groundwater information for the area of the Klaza Property. Groundwater information forms an essential part of the environmental baseline characterization that is required for a future assessment under the Yukon Environmental and Socioeconomic Assessment Act (YESAA) and a Type A Water Use Licence application as part of the mine permitting process. A minimum of one year of seasonal groundwater data is typically required prior to a project proposal submission under YESAA and a minimum of two consecutive years of seasonal groundwater data is required for a Type A Water Licence application.

In addition, groundwater conditions also have to be considered in the ongoing mine design. Since the Klaza project is still in the early stages with respect to mine design and planning with no final locations identified for most infrastructure including the tailings facility, waste rock dump(s), mill, fuel storage, and camp facilities, the groundwater data collection and preliminary hydrogeological assessment is focused on the mineralized zones that would potentially host future open pits and underground workings. The groundwater information required for the aforementioned purpose includes a general understanding of the groundwater regime (both in terms of groundwater quantity and quality) in the area of the mineralized zones. Efforts were focused on the mineralized zones including Western BRX, Central BRX, Eastern BRX, Western Klaza, Central Klaza, and Eastern Klaza (see Figure 2). These mineralized zones and the area immediately downgradient form the study area for the purpose of this project.

1.2 Scope of Work

In accordance with our proposal entitled “Proposal for Hydrogeological Consulting Services, Klaza Property, Yukon” dated May 8, 2015, the scope of work included:

- Project management, budget tracking, and regular progress updates to the client;
- Review of pertinent geological and hydrogeological background information;
- Design of a field program to install groundwater monitoring wells and other subsurface instrumentation to initiate hydrogeological data collection;
- Field oversight and coordination of monitoring well drilling and instrumentation installation;
- Monitoring well development and groundwater sampling;

- Hydraulic testing including packer testing in select diamond drill holes and hydraulic response tests on monitoring wells;
- Monitoring well completion report and preliminary hydrogeological assessment;

This report presents the results of the scope of work summarized above.

1.3 Limitations

As stated previously, the purpose of this project was to install groundwater monitoring wells and other downhole instrumentation to initiate groundwater data collection at the site and to conduct a preliminary hydrogeological assessment for the area of the main mineralized zones at the Klaza Property including Western BRX, Central BRX, Eastern BRX, Western Klaza, Central Klaza, and Eastern Klaza (see Figure 2). The field instrumentation and preliminary hydrogeological assessment was neither designed to satisfy all aspects of a hydrogeological baseline assessment that would be needed for a project proposal submission under YESAB and a Type A Water Licence application, nor to provide all required hydrogeological information for the design of the various mine components (e.g., open pit, underground workings, water and waste management infrastructure). However, the groundwater information collected as part of this project provides an important basis for the understanding of the hydrogeological conditions at the site and will be useful in the design of a proper hydrogeological baseline program to collect all necessary groundwater information for the environmental assessment and regulatory approval process as well as for mine design.

1.4 Project Background

The Klaza Property, which is 100% owned by Rockhaven, hosts high grade gold-silver-lead-zinc-copper veins and is located within the southern part of the Dawson Range Gold Belt. The property has been explored by Rockhaven since 2010 including more than 70,000 m of diamond drilling in addition to some reverse circulation drilling, trenching, geophysical surveys, and extensive soil geochemistry. Recent exploration activities, all managed by Archer, Cathro & Associates (1981) Limited (Archer Cathro) on behalf of Rockhaven, have mainly focused on two of the nine identified mineralized zones on the property, namely the BRX and Klaza Zones.

In March 2015 (and amended in June 2015), Rockhaven published a NI43-101 Technical Report (Wengzynowski et al., 2015) with an inferred mineral resource estimate including the western and central portions of the Klaza and BRX zones totalling 7,040,000 t grading 4.19 g/t gold, 96.23 g/t silver, as well as notable grades of lead, zinc, and copper above a 1.5 g/t gold cut-off grade. Wengzynowski et al. (2015) recommended additional exploration work to extend the bounds of the current mineral resource to greater depth and along strike. The authors further recommend a preliminary economic assessment after additional metallurgical work is completed to assess potential mining methods and other economic factors.

As the project progresses toward a pre-feasibility and feasibility stage, environmental baseline data should be collected in preparation of the environmental assessment that forms part of the regulatory process. Environmental monitoring has been carried out on the Property from March 2012 to present. Baseline surface water quality/hydrology and meteorological studies have been conducted by J. Gibson Env. Consulting of Whitehorse, and has focused on drainages around the main areas of interest. Wildlife surveys have been conducted within the same general areas by Laberge Environmental Services of Whitehorse, over the same time period. In 2011, Matrix Research Ltd. (Matrix) of Whitehorse conducted a Heritage Resources Overview Assessment of the Klaza area. This work classified zones of high, moderate and low potential for heritage resources within the Property and immediately peripheral lands. In 2012, Matrix conducted ground studies and did not locate any heritage sites within the main areas of interest. To our knowledge, no groundwater information had been collected at the site prior to this project.

2.0 STUDY AREA

The study area (also referred to as the site) for the purpose of this preliminary hydrogeological baseline assessment encompasses the area of the mineral deposits and conceptual open pits and underground workings depicted on Figure 2.

2.1 Location

The Klaza Property is located in southwestern Yukon, approximately 300 km northwest of Whitehorse. The property has an approximate UTM/NAD83 location of 383011 E / 6889236 N in Zone 8N and lies on National Topography System (NTS) map sheets 115I/03.

2.2 Access

The Klaza Property is road accessible by a 77 km long two-wheel drive gravel road from the Klondike Highway. The gravel road joins the Klondike Highway in Carmacks about 180 km north of Whitehorse.

2.3 Physiography

The project area is located in the southern part of the Dawson Mountain Range of the Yukon Plateau-Central Ecoregion of the Boreal Cordillera Ecozone. The Dawson Range is characterized by a belt of low mountains, hills and relatively mature river systems. The sinuous eastern margin of the adjacent Klondike Plateau Ecoregion is located immediately west of Mt. Nansen. The area is characterized by smooth, rolling topography with moderate to deeply incised valleys. Most of the terrain lies between 1000 m and 1500 m elevation above sea level (asl). Notable peaks in the study area are Mount Nansen and Victoria Mountain at 1705 m and 1871 m above sea level, respectively. The eastern part of the Property covers a broad rounded northwesterly elongated ridge that lies between Mount Nansen and the Klaza River. The rest of the Property is characterized by low hills and valley bottom, flanking the Klaza River.

The Yukon Plateau-Central Ecoregion spans the boundary between the widespread and sporadic discontinuous permafrost subzones. Most of the study area lies west of the limits of the McConnell glaciation, so the surficial deposits are coarse and dry, and largely free of ground ice. However, fine-grained and moist sediments in valleys are prone to perennial freezing and occurrence of ground ice (Smith, Meikle, Roots, ed., 2004).

The density and size of vegetation gradually increases toward lower slopes and valley bottoms. Open black and white spruce forest, with some aspen stands and birch and a thick layer of sphagnum moss, occur in valleys and on lower slopes, but much of the terrain is above treeline (1200 m asl on north-facing slopes and about 1,400 m asl on south-facing slopes). Areas above treeline are vegetated with low-lying grass, moss and sparse brush.

2.4 General Hydrology and Meteorology

The Property is drained by tributaries of the Klaza River and Nansen Creek, both of which flow into the Nisling River, which is part of the Yukon River watershed and flows northwest to reach the Yukon River via the Donjek and White Rivers.

Located at the western portion of the Yukon Plateau-Central Ecoregion, the study area is in the rain shadow effect of the St. Elias–Coast Mountains and annual precipitation is relatively light, ranging from 250 mm to 300 mm, two-thirds of which falls during the summer. Snow cover generally exists from mid-October to mid-April in the valley floors and a month longer over the higher terrain. Mean annual air temperatures are near –4°C, with monthly means ranging from -30°C in January to 15°C in July. The period with mean daily temperatures above 0°C is from late April to mid-October, although frost can occur at any time of the year.

2.5 Geology

The following sections provide a brief summary of the surficial and bedrock geology in the area of the Klaza Property. A detailed discussion of the local geology and mineralization at Klaza can be found in Wengzynowski et al. (2015).

2.5.1 Surficial Geology

Surficial materials in the area include colluvium, fluvial material deposited by Quaternary to present streams and rivers, and glaciofluvial sands and gravels. Bedrock outcrops are scarce across most of the Property and overburden typically consists of a few centimetres of organics and up to about 2 m of loess and immature soil mixed with locally derived rock fragments, over weathered bedrock. At lower elevations, thick layers of fluvial material, glaciofluvial outwash and till blanket the valley floors. Permafrost is discontinuous, but extensive, particularly on north- and west-facing slopes.

2.5.2 Bedrock Geology

Most of the Klaza Property is underlain by Mid-Cretaceous granodiorite. In the southeast corner of the Property, a quartz-rich, granite to quart monzonite stock intruded the granodiorite that is believed to be the main heat source for the hydrothermal cells that deposited the mineralization found at Klaza. However, this intrusive stock was outside of the study area for this assessment and was not encountered in any of the monitoring and observation wells drilled as part of this project.

A swarm of northwesterly trending, Late-Cretaceous feldspar porphyry dykes emanate from the stock in the southeastern part of the Property and cut the granodiorite in the area of the main mineralized zones. These porphyry dykes are up to 30 m wide and commonly occupy the same structural zones as mineralized veins. The mineralization contains abundant sulphide minerals including pyrite, arsenopyrite, galena, sphalerite, and chalcopyrite.

2.5.3 Glacial History

The study area occurs at the western margin of the Yukon Plateau-Central Ecoregion and east of the limit of Cordilleran Pleistocene glaciation. Most of the ecoregion was not glaciated but both early and late Wisconsin advances covered the southwestern part (Oswald and Senyk, 1977). The Klaza area escaped Pleistocene continental glaciation but experienced some local Pleistocene to Holocene valley and alpine glaciation.

3.0 METHODS

The following sections describe the methods used for the field program and data analysis.

3.1 Monitoring Well and Instrumentation Installation

3.1.1 Drilling

All drilling was completed using a diamond drill rig with HQ-size tools which produce a borehole diameter of 96.1 mm. All drilling was conducted by Platinum Diamond Drilling Inc. of Winnipegosis, Manitoba. Drill water was taken from local creeks and water was continuously pumped from the creek to a water tank located at the drill rig. Excess and return water was drained to a sump at each drill site.

The diamond drill holes (DDHs) were drilled using a polymer-based drilling mud where required for borehole stability. Drillers were directed to use as little drilling polymer as possible. The borehole was flushed with water until there was no visible polymer in the return water prior to conducting a packer test.

Table 3-1 presents the location, depth, and dip angle for the exploration drill holes used as part of the hydrogeological investigations. Figure 2 shows the location of the exploration drill holes where VWPs and the ground temperature cable were installed, and where packer tests were conducted, as well as where monitoring wells were installed.

All drill hole collars were surveyed by Archer Cathro field staff using a Trimble SPS852 Real Time Kinematic (RTK) GPS system with a vertical accuracy of about ±0.1 m.

Drill logs are included in Appendix B. The lithological logging was completed by Archer Cathro geologists.

Table 3-1: Exploration drill holes used for hydrogeological investigations

Hole ID	Alternate Hole ID	Easting[1]	Northing[1]	Elevation	Length	Azimuth	Dip
		m	m	m asl[2]	m bgs[3]	degrees	degrees
VWP15-01	KL-15-252	382739	6889158	1441	304	35	-50
VWP15-02	KL-15-255	382624	6890299	1367	377	35	-50
VWP15-03	KL-15-253	382243	6890654	1303	334	35	-50
VWP15-04	KL-15-254	381695	6889914	1303	307	35	-50
GTC15-01	KL-15-257	382824	6890304	1360	158	35	-50
MW15-01	KL-15-293	383413	6888610	1318	76	0	-90
MW15-02	KL-15-292	383355	6890004	1345	67	0	-90
MW15-03	KL-15-290	383059	6890592	1302	33	0	-90
MW15-04	KL-15-289	382484	6891020	1277	84	0	-90
MW15-05	KL-15-294	381552	6890347	1254	48	0	-90

Vibrating wire piezometer and packer tests
Ground temperature cable
Monitoring well

[1] Collar Coordinates; UTM NAD 83, Zone 08N

[2] m asl – metres above mean sea level

[3] m bgs – metres below ground surface

3.1.2 Monitoring Wells

Nested groundwater monitoring wells were installed in exploration drill holes at five locations onsite. These wells are inferred to be downgradient of the various deposits and are to be used for the ongoing assessment of groundwater elevations and quality. At each location a “deep” well (30 m+) was installed in the bedrock aquifer and a “shallow” well (< 5 m deep) installed at surface to target the active zone.

Tetra Tech EBA observed drilling of each borehole as the drilled depth approached the anticipated groundwater depth. The following procedures were employed in the determination of whether groundwater had been intercepted and the interval the deep groundwater monitoring well was to be screened over:

- When drilling close to the expected groundwater depth, drilling was halted, water switched off and water levels were gauged. Where water levels were observed to be rising, the depth to water was recorded several times in order to estimate the recovery rate. Water was then added to the borehole in small volumes (to accelerate recovery) until the water level was observed to be falling.

  Where water levels were observed to be rapidly falling, stabilization was accelerated by evacuating water from the borehole by dropping the core barrel 10 to 20 m below the water level, then rapidly removing the barrel, removing an estimated 50 to 100 L of water. Water was removed in this manner until the water level was observed to be rising.

  The interval between the highest rising and lowest falling levels were recorded. This process was continued until the interval between falling and rising water levels was within approximately 1 m.

  Drilling was then continued another 3 m (10 ft) and the process repeated. If similar intervals between falling and rising levels were observed, it was considered that this reproducibility could not be due to water introduced during the drilling process. The static groundwater level was inferred to be within this interval, the borehole deemed to be within an unfrozen aquifer and the screened section of the well placed in this interval.

- The driller was asked about increases in water returns (an increase in return may indicate interception of groundwater). None of the drillers noted an increase in return at any of the wells, therefore this assessment method is not discussed further.

- Tetra Tech EBA recorded the electrical conductivity of the drilling water (prior to mud addition and following mud addition) and the return water (a marked change in electrical conductivity can be an indicator of intercepting groundwater). This data did not clearly identify any zones where groundwater had been encountered; therefore this assessment method is not discussed further.

Deep monitoring wells were constructed in accordance with the following general protocol:

- A minimum of 0.2 m of 10-20 filter sand was placed at the base of the borehole.

- A screened section of 10-slot (0.010”) 32 mm (1.25”) PVC was placed in the borehole annulus to span the desired depth interval. Screen lengths were either 9.1 m or 12.2 m (30 or 40 ft).

- Above the screened section, the PVC standpipe was completed to surface using 32 mm (1.25”) solid lengths.

- 10-20 filter sand was added to a minimum of 0.9 m above the top of the screened section.

- The borehole was backfilled from the top of the sand to between 5.2 and 5.5 m bgs with bentonite.

Shallow monitoring wells were constructed in accordance with the following general protocol:

- A minimum of 0.6 m of 10-20 filter sand was placed on top of the lower bentonite plug.
- A 1.5 m screened section of 10-slot (0.010") 32 mm (1.25") PVC was placed in the borehole annulus at the desired depth.
- The PVC standpipe was completed to surface using 32 mm (1.25") solid lengths.
- Sand was added to a minimum of 0.5 m above the top of the screened section.
- The borehole was backfilled from the top of the sand to 0.3 m bgs with bentonite.
- The borehole was completed to slightly above surface with concrete (to minimize water pooling around the well), then a protective steel casing placed over the PVC and set in concrete.
- Once the protective steel casing was installed, the solid 32 mm (1.25") PVC was extended from ground surface to an accessible point within the casing.

During the deep monitoring well construction, the following procedures were employed to ensure sand and bentonite intervals were placed at the correct intervals and to minimize the risk of bridging in the borehole annulus during addition:

- Sand and bentonite was added slowly to the well to minimize the risk of bridging in the borehole annulus.
- Coated bentonite pellets (which have a delayed swelling response when submerged in water) were used below the water table to ensure they would reach the base of the borehole.
- Settled depths were recorded regularly with the time it would take the bentonite/sand to fall through the water column allowed for to limit the possibility of overfilling the annulus to above the desired interval.

3.1.3 Vibrating Wire Piezometers

VWPs are used to measure piezometric levels and temperatures in boreholes. The sensing element of the VWP is a high strength steel wire attached to a diaphragm. The wire is excited by two coil magnets set around the connecting over tube. External pressure on the diaphragm will move the diaphragm a very small amount changing the tension on the vibrating wire. This tension change is directly proportional to the resonant frequency at which the wire will vibrate. The current resonant frequency of the wire is measured using a readout unit that connects to the cable at the surface. The resonant frequency is then converted into a pressure reading using the individual calibration record for each instrument. The calibration sheets for the VWPs installed at the Klaza Property are included in Appendix C.

The vibrating wire instrument measures absolute pressure; subsequently measurements should be corrected for temperature and barometric pressure to calculate the actual piezometric pressure or hydraulic head. Each instrument includes a thermistor which measures the temperature of the transducer and its surroundings. This temperature information is used to provide temperature correction to the output pressure readings. Barometric pressure is not being recorded at the Klaza weather station and therefore, no data were available for barometric pressure compensation of the VWP readings. However, barometric pressure changes are typically small and should not significantly affect the interpretation of the piezometric elevations inferred from the VWP data.

The VWPs were installed in exploration boreholes with three VWPs installed in each borehole at various depth below the anticipated groundwater table. The VWPs were attached to the outside of a 25.4 mm (1-inch) diameter Schedule 80 PVC pipe that was lowered downhole through the open hole or drill rods depending on borehole stability. The PVC pipe was then used as a tremie pipe to grout the VWPs in place. Each hole was tremie grouted

using a cement-bentonite grout until grout return was observed through the surface casing. The surface casing was then removed and the well was completed with a protective steel casing secured in concrete. The following grout mix was used for preparing the cement-bentonite grout (Table 3-2, Mikkelsen, 2002):

Table 3-2: Cement-bentonite mix

Material	Weight	Ratio by Weight
Water	30 gallons	2.5
Portland Cement	94 lbs (~2 bags)	1
Bentonite	25 lbs (1/2 bag, as required)	0.3

Dataloggers were installed on each VWP well for continuous data recording. The recording interval is currently set to six hours, i.e., the dataloggers record readings from each VWP every six hours. The six-hour frequency will allow seasonal variations in piezometric pressure to be recorded at an adequate resolution while keeping the data record to a manageable size.

3.1.4 Ground Temperature Cable

A ground temperature cable was installed in the area of the Central Klaza zone in exploration hole KL-15-257 to monitor subsurface temperatures and assess permafrost conditions at the site. The hole was chosen because of its central location on the Klaza Property and the fact that the hole is located on a north-facing slope with the high probability of encountering permafrost conditions. A solid, un-slotted 25.4 mm (1 inch) diameter Schedule 80 PVC pipe was installed in the drill hole and grouted in place with a cement-bentonite grout using the same grout mix as for the VWPs (cf. Section 3.1.3). The ground temperature cable was then deployed into the PVC pipe to measure the ground temperature at multiple depths.

3.2 Hydraulic Well Testing

3.2.1 Packer Testing

Packer tests are used to infer the in situ hydraulic conductivity of a rock mass over a specific interval. All packer tests were conducted as constant head injection tests, i.e., water was injected at specific pressure steps and the resulting injection rate is recorded when flow has reached a quasi-steady state condition.

A packer test system is composed of:

- A downhole assembly of two or three inflatable “packer” glands used to isolate the target interval within the DDH;
- A packer inflation system utilizing nitrogen (inert gas) to inflate the packer system and seal the test section; and,
- A water pressure system (in this case utilizing the drill mud pump and a clear water tank) to facilitate water injection at a constant pressure (head) into the tested interval with the ability to measure flow rate.

The tests were conducted after the drill had penetrated to a specified borehole depth or encountered a target test zone. Static water level measurement is important to determine the excess pressure (P_W^{max}) to apply over the specific test interval. This is calculated as follows:

$$P_W^{max} = \sigma_v' = \gamma_s'(z_s) + \gamma_r'(z_{tz} - z_s)$$

Where γ_s' is the submerged unit weight of the overburden deposits; γ_r' is the submerged unit weight of the bedrock; z_s is the thickness if the overburden deposits; and $(z_{tz} - z_s)$ is the thickness of bedrock over the tested interval. If the water pressure is too high, hydraulic fracturing or opening of fissures may alter the rock mass hydraulic conductivity. CANMET (1977) recommends a maximum excess water pressure (P_W^{max}) of 700 kPa. Therefore, the excess pressure was not allowed to exceed 700 kPa to avoid potential hydraulic fracturing of the bedrock. The packer inflation pressures ensure that the tested interval is properly sealed to prevent leakage of flow, slippage and damage to packers.

After the drill had reached the specified testing depth, the hole was flushed with clear water to remove any drill mud or cuttings, then the drill rods were pulled back to allow the water level to stabilize. Water for testing was pumped from a separate clean water tank. The downhole assembly was attached to the wireline and lowered through the drill rods with the bottom packer(s) extending through the drill bit into the open drill hole. The packer glands were then inflated using nitrogen gas and the water pressure assembly was attached to the drill mud pump (pumping from the clean water tank). Water was then injected into the bedrock interval isolated by the packers under a constant pressure. The injection rate (flow rate) was measured by recording readings of total flow at regular time intervals. The packer tests were conducted in stages where the excess pressure was increased from 33% to 67% to 100% of P_W^{max} to a maximum pressure of 700 kPa.

Data from these tests were then analyzed to determine the hydraulic conductivity of the bedrock interval tested. The results were interpreted using the Thiem solution and the following assumptions were made:

- Steady-state condition was reached during the test;
- Laminar flow applies; and,
- Radius of influence of the test did not exceed 10 m.

The hydraulic conductivity K of the rock mass over the test zone is inferred from the field data using the following modified Thiem equation (e.g., Doe et al., 1980):

$$K = \frac{Q}{2\pi LH} \cdot \ln\left(\frac{L}{r}\right)$$

Where *K* is the hydraulic conductivity, *Q* is the flow rate (m^3/s), *L* is the vertical length of the test zone (m), *H* is the excess head applied to the test zone (m water column), and *r* is the radius of the test zone (borehole radius) (m).

3.2.2 Hydraulic Response Testing

Hydraulic response tests were conducted to evaluate bulk hydraulic conductivity of the aquifer in the vicinity of the monitoring wells. Hydraulic response tests were conducted on select monitoring wells including MW15-01D, MW15-04D, and MW15-05D.

Hydraulic response tests involve the instantaneous injection or withdrawal of a slug of water or solid cylinder of a known volume which cause a sudden change of the well water level. The slug injection causes an instantaneous increase in water level and a subsequent recovery phase during which the water level drops back to the static water level. This test is also referred to as a falling head test. In contrast, slug withdrawal causes an instantaneous drop in water level followed by a recovery phase with the water level rising back to the static water level. This test is also referred to as a rising head test. The recovery phase of the well water level is recorded by manual measurements

and/or automatic pressure transducer readings. The recovery data can then be analyzed to infer the hydraulic conductivity of the aquifer material in the vicinity of the test well.

A series of falling and/or rising head tests were conducted on all test wells if the recovery was reasonably fast (i.e., less than 30 min.). Only one or two tests were conducted on monitoring wells completed in low hydraulic conductivity formations with an associated slow recovery of the well water level during the hydraulic response test.

All hydraulic response test data were analyzed using the methods presented in Appendix D that are implemented in the software AquiferTest Pro Version 2014.1.

3.3 Groundwater Level Measurements

Groundwater levels were recorded at each monitoring well using an electronic water level sounder. Groundwater levels were measured prior to purging and sample collection during the field program.

All groundwater levels were measured relative to the top of the PVC well casing. The depth-to-water measurements were converted into piezometric elevations in m asl using the GPS survey data. However, the vertical accuracy of the GPS data is only about ±0.1 m and therefore, the derived piezometric elevations contain a similar error.

3.4 Groundwater Sampling

The groundwater monitoring wells installed at the Klaza Property were purged and sampled using field methods in accordance with internal work methods that form part of Tetra Tech EBA's Quality Management System. Specifically, the groundwater monitoring and sampling was conducted in accordance with Work Method WM4203 *Groundwater Sample Collection* which is based upon generally accepted industry best practices and is in general accordance with applicable ASTM standards. Groundwater monitoring and sampling was completed by qualified Tetra Tech EBA hydrogeologists.

Prior to sampling, the static water level was measured in each well, using an electric measuring tape. Wells were then purged and sampled using one of the following three methods:

1. **Hand bailing:** Wells were purged by removing a minimum of three well volumes (where possible) using hand bailers prior to a sample being obtained. Field parameters were recorded during purging after the first hand bail was removed and then at regular intervals until sample collection. Where groundwater recovery was observed to be very slow, a sample was collected as the water level dropped towards the base of the well. Wells that were sampled in this manner were revisited to assess whether sufficient recovery had occurred to collect a second sample (insufficient recovery had occurred in the two wells sampled in this manner prior to departure from site for a second sample to be collected).

2. **Inertial Pump:** Wells were purged by removing a minimum of three well volumes (where possible) using a Waterra inertial pump prior to a sample being obtained. Where purge rates were high and required purged volumes low (i.e. less than 15 to 20 L), up to six holding volume were purged prior to sample collection. Field parameters were recorded after approximately the first litre was purged from the well and then at regular intervals to sample collection.

3. **Low-flow Purge and Sample:** Two wells were purged and sampled using a low flow technique. This method minimises drawdown in the well and assumes that through placing the pump in or close to the screened interval and minimising drawdown, groundwater representative of the aquifer is being purged and sampled. A Geotech low flow bladder pump was used to purge the wells at rates from 0.2 to 0.3 L/min (the maximum pump rate). Wells were purged until stabilisation of field parameters was observed for a minimum period of 15 min. Tetra

Tech EBA notes that temperature and dissolved oxygen field measurements recorded during the purging of MW15-04D are likely erroneous and stabilisation was based on pH and electrical conductivity readings.

As described above, while purging, physicochemical parameters (pH, temperature, electrical conductivity, and dissolved oxygen) were measured and recorded. All field measurements were conducted in a 1 L-bottle that was also used as a flow cell. The field parameters were measured using a YSI Professional Plus Multimeter. The pH probe was calibrated using a two-point calibration with pH 7 and pH 10 calibration solutions. The electrical conductivity probe was calibrated using a one-point calibration with a 1,413 µS/cm standard. pH and electrical conductivity readings were checked every one to two days while in the field using pre-made calibration solutions and found to have drifted very little from calibrated values.

After each monitoring well was purged, samples were collected for analysis of total and dissolved metals (CCME), acidity, alkalinity, anions, dissolved organic carbon, electrical conductivity, hardness, ammonia, total phosphorus, pH, total dissolved solids, dissolved orthophosphate and total Kjeldahl nitrogen.

Each sample was labelled with the location ID, project number and the date. New, clean sample containers and appropriate preservatives for each suite of tests were provided by the laboratory. Samples were appropriately preserved in the field and the majority of dissolved metals and dissolved organic carbon samples field filtered using a 0.45 um filter (several samples that could not be filtered in the field were delivered to the laboratory unpreserved and requested that filtration be conducted as soon as possible). Samples were stored in coolers containing ice packs and delivered to the laboratory (ALS Environmental) under chain of custody control within the appropriate holding times. The ALS laboratory is an accredited ISO/IEC 17025 testing laboratory.

4.0 RESULTS AND DISCUSSION

4.1 Monitoring Well Completion

The following sections provide the completion details for the five nested monitoring wells installed as part of the 2015 field program. The monitoring well completion details are also summarized in Table 1 (attached). Well logs are included in Appendix B.

MW15-01

The drilling of MW15-01 was observed by Tetra Tech EBA on August 19, 2015 and construction of nested monitoring wells directed by Tetra Tech EBA on August 19 and 20, 2015. Monitoring well installation details are provided in Table 1 and well logs in Appendix B.

MW15-01 was drilled to a total depth of 75.9 m bgs with water elevations in the borehole observed at 73.2 and 75.9 m bgs. At both depths, the water level in the borehole stabilized at approximately at the same elevation, indicating groundwater had been intercepted.

A deep monitoring well (MW15-01D) was constructed with a 9.1 m (30 ft) screen from 66.3 to 75.4 m bgs and a shallow well (MW15-01S) was constructed with a 1.5 m (5 ft) screen from 3.1 to 4.6 m bgs.

MW15-02

The drilling of MW15-02 was observed by Tetra Tech EBA on August 18, 2015 and construction of nested monitoring wells directed by Tetra Tech EBA on August 18 and 19, 2015. Monitoring well installation details are provided in Table 1 and well logs in Appendix B.

MW15-02 was drilled to a total depth of 66.8 m bgs with water elevations in the borehole observed at 60.5, 63.6 and 66.6 m bgs. Observations of water elevations at these three depths indicated groundwater had been intercepted within this interval.

A deep monitoring well (MW15-02D) was constructed with a 9.1 m (30 ft) screen from 55.4 to 64.5 m bgs and a shallow well (MW15-02S) was constructed with a 1.5 m (5 ft) screen from 3.4 to 4.9 m bgs.

MW15-03

The drilling of MW15-03 was observed by Tetra Tech EBA on August 17, 2015 and construction of nested monitoring wells directed by Tetra Tech EBA on the same day. Monitoring well installation details are provided in Table 1 and well logs in Appendix B.

MW15-03 was drilled to a total depth of 33.2 m bgs with water elevations in the borehole observed at 29.3 and 32.3 m bgs. At both depths, the water level in the borehole stabilized at approximately at the same elevation, indicating groundwater had been intercepted.

A deep monitoring well (MW15-03D) was constructed with a 9.1 m (30 ft) screen from 21.9 to 31.0 m bgs and a shallow well (MW15-03S) was constructed with a 1.5 m (5 ft) screen from 3.2 to 4.7 m bgs.

MW15-04

The drilling of MW15-04 was observed by Tetra Tech EBA on August 15 and 16, 2015 and construction of nested monitoring wells conducted on August 16, 2015. Monitoring well installation details are provided in Table 1 and well logs in Appendix B.

MW15-04 was drilled to a total depth of 84.4 m bgs and 2 m of sand added to the base of the well. Prior to the installation of the PVC standpipe, an Archer Cathro representative advised that the incorrect well location ID had been provided to the Tetra Tech EBA field hydrogeologist. The field hydrogeologist had been advised the well was MW15-01, which had an anticipated depth to groundwater of 64 m bgs, while MW15-04 had an anticipated depth to groundwater of 35 m bgs.

In order to span the desired interval in the upper aquifer, the borehole was backfilled with bentonite pellets from 83.1 to 65.5 m bgs. A deep monitoring well (MW15-04D) was installed with a 12.2 m (40 ft) screen, spanning the interval from 51.0 to 63.2 m bgs. A shallow monitoring well (MW15-04S) was constructed with a 1.5 m (5 ft) screen spanning the interval from 3.1 to 4.6 m bgs.

MW15-05

The drilling of MW15-01 was observed by Tetra Tech EBA on August 21, 2015 and construction of nested monitoring wells directed by Tetra Tech EBA on August 21 and 22, 2015. Monitoring well installation details are provided in Table 1 and well logs in Appendix B.

MW15-05 was drilled to a total depth of 48.5 m bgs with water elevations in the borehole observed at 44.73 and 47.73 m bgs. At both depths, the water level in the borehole stabilized at approximately at the same elevation, indicating groundwater had been intercepted.

A deep monitoring well (MW15-05D) was constructed with a 9.1 m (30 ft) screen from 37.4 to 46.5 m bgs and a shallow well (MW15-05S) was constructed with a 1.5 m (5 ft) screen from 2.9 to 4.4 m bgs.

4.2 Vibrating Wire Piezometers

VWPs were installed in select exploration boreholes within the areas of the main mineralized zones. Table 4-1 summarizes the completion details of the four VWP wells with the depths of installation. Table 2 (attached) includes the VWP installation and datalogger details for quasi-continuous monitoring of piezometric elevations and subsurface temperature.

The pressure reading from the VWP was converted into a piezometric elevation based on the elevation at which the instrument was installed. The raw and reduced data from the VWPs are presented in Appendix C. Inferred piezometric elevations and measured subsurface temperatures are also summarized in Table 4-4 and further discussed in Sections 4.3 and 4.4. The depths below ground presented in Table 4-1 below should be considered approximate as the values do not take into account elevation changes between the drill collar and the actual location of the VWPs based on the azimuth and dip of the borehole.

4.3 Ground Temperatures

A ground temperature cable was installed in exploration hole KL-15-257 (also referred to as GTC15-01) to a total depth of 130 m along the hole. Table 4-2 summarizes the installation details of the groundwater temperature cable. The ground temperature measurements are presented in Table 4-3. The calibration sheet for the thermistor cable installed in GTC15-01 is included in Appendix G.

Similar to the VWPs, the depths of the thermistors below ground surface shown in Table 4-2 should be considered approximate as the values do not take into account elevation changes between the drill collar and the actual location of the thermistors based on the azimuth and dip of the borehole.

Table 4-1: Summary of vibrating wire piezometers installed at the Klaza Property

Area	VWP ID	Rockhaven Hole ID	Azimuth	Dip	Depth (m bgs)
Eastern BRX	VWP15-01	KL-15-252	35	-50	147.97
					187.90
					225.49
Central Klaza	VWP15-02	KL-15-255	35	-50	79.85
					170.22
					284.16
Western Klaza	VWP15-03	KL-15-253	35	-50	48.59
					244.73
					139.66
Western BRX	VWP15-04	KL-15-254	35	-50	59.67
					130.19
					225.22

Table 4-2: Ground temperature cable installation details

Well ID	Rockhaven Hole ID	Azimuth	Dip	Thermistor Depth		Channel
				(m ah)	(m bgs)	
GTC15-01	KL-15-257	35	-50	5	3.8	1
				10	7.7	2
				20	15.3	3
				35	26.8	4
				50	38.3	5
				65	49.8	6
				80	61.3	7
				95	72.8	8
				110	84.3	9
				130	99.6	10

Table 4-3: Ground Temperature Measurements (GTC15-01)

Depth	7-Jul-15	15-Jul-15	18-Jul-15	21-Jul-15	24-Jul-15	27-Jul-15	30-Jul-15	3-Aug-15	24-Aug-15
(m bgs)	(°C)	(°C)	(°C)	(°C)	(°C)	(°C)	(°C)	(°C)	(°C)
3.83	3.66	-0.02	-0.02	-0.03	-0.02	-0.04	-0.09	-0.17	-0.37
7.66	3.67	0.03	0.03	0.03	-0.03	-0.08	-0.13	-0.24	-0.47
15.32	3.38	-0.07	-0.07	-0.06	-0.07	-0.09	-0.19	-0.30	-0.49
26.81	3.11	-0.23	-0.33	-0.33	-0.39	-0.43	-0.47	-0.51	-0.57
38.30	3.12	-0.14	-0.33	-0.37	-0.41	-0.43	-0.48	-0.54	-0.58
49.79	2.80	-0.16	-0.32	-0.36	-0.37	-0.43	-0.46	-0.50	-0.54
61.28	1.64	-0.02	-0.11	-0.21	-0.27	-0.35	-0.33	-0.36	-0.43
72.77	2.17	-0.02	-0.07	-0.14	-0.16	-0.24	-0.27	-0.29	-0.34
84.26	2.46	0.06	0.02	-0.02	-0.02	-0.04	-0.09	-0.10	-0.12
99.59	2.71	0.31	0.23	0.18	0.16	0.13	0.11	0.08	0.07

Figure 4-1 shows the measured ground temperatures in GTC15-01 as well as ground temperatures recorded by the VWPs in VWP15-01 through VWP15-05 (cf. Table 4-3 and Appendix C for temperature data). The observed ground temperatures suggest that permafrost exists at all six well locations indicated by ground temperatures below 0°C. However, the permafrost thickness appears variable throughout the site depending on the location of the observation well, elevation and slope aspect. All observation wells are situated above tree line in areas with similar vegetation cover.

Table 4-4 summarizes the approximate depth to the base of permafrost at the different well locations. The depth to the base of permafrost ranges from about 50 to 150 m bgs at VWP15-04 and VWP15-01, respectively. Table 4-4 and Figure 4-2 suggest that the permafrost thickness is mainly controlled by elevation indicated by the significant correlation between elevation and permafrost thickness. Slope aspect also seems to affect permafrost thickness which is suggested by the fact that locations at a similar elevation show larger permafrost thickness on north-facing slopes (Figure 4-2).

The time series of ground temperature measurements from the thermistor cable in GTC15-01 and the VWPs in VWP15-01 through VWP15-04 consistently show decreasing temperatures over time. This is likely due to thermal disturbance due to drill water usage and heat generated by the curing of the cement-bentonite grout used for well completion. The last set of temperature readings were taken about six to nine weeks after installation. The ground temperatures should have mostly equilibrated during this period of time; however, additional measurements are required to determine the undisturbed ground temperatures at the site.

The ground temperatures observed at the various locations across the Klaza Property also allow the local geothermal gradient to be inferred. Especially the VWPs that were installed to depths of about 285 m bgs can be used to estimate the geothermal gradient at larger depth. All four VWP wells indicate a very similar geothermal gradient indicated by a similar slope of the ground temperature profiles shown in Figure 4-1 (right-hand graph). The inferred geothermal gradient at the Klaza Property is about 25°C per km of depth which is a typical average continental crust geothermal gradient.

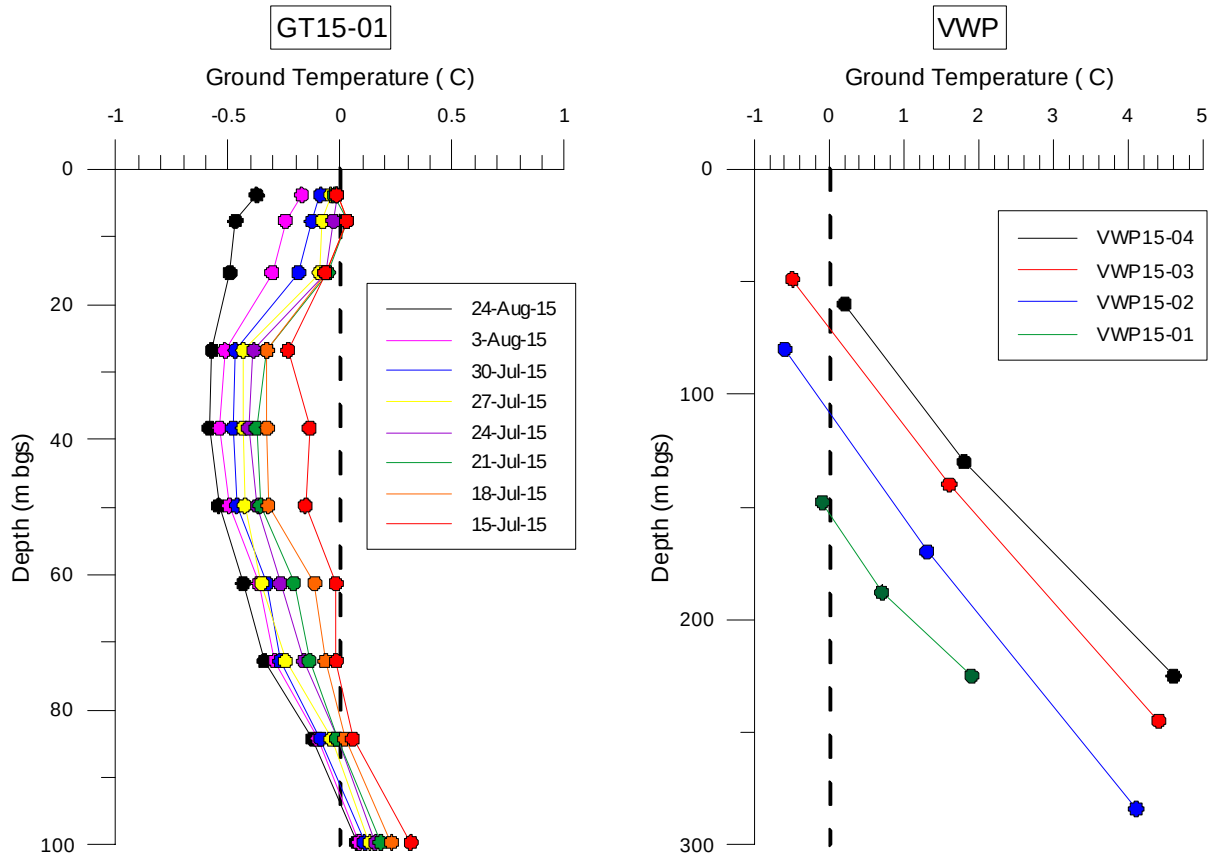


Figure 4-1: Ground Temperature Profiles

Table 4-4: Depth of base of permafrost relative to location, elevation, and slope aspect

Well ID	Easting	Northing	Elevation	Slope Aspect	Depth of Base of Permafrost	Elevation of Base of Permafrost
	m	m	m asl		m bgs	m asl
GTC15-01	382824	6890304	1360	NE	94	1266
VWP15-01	382739	6889158	1441	SW	153	1288
VWP15-02	382624	6890299	1367	N	108	1259
VWP15-03	382243	6890654	1303	NW	71	1232
VWP15-04	381695	6889914	1303	WNW	50	1253

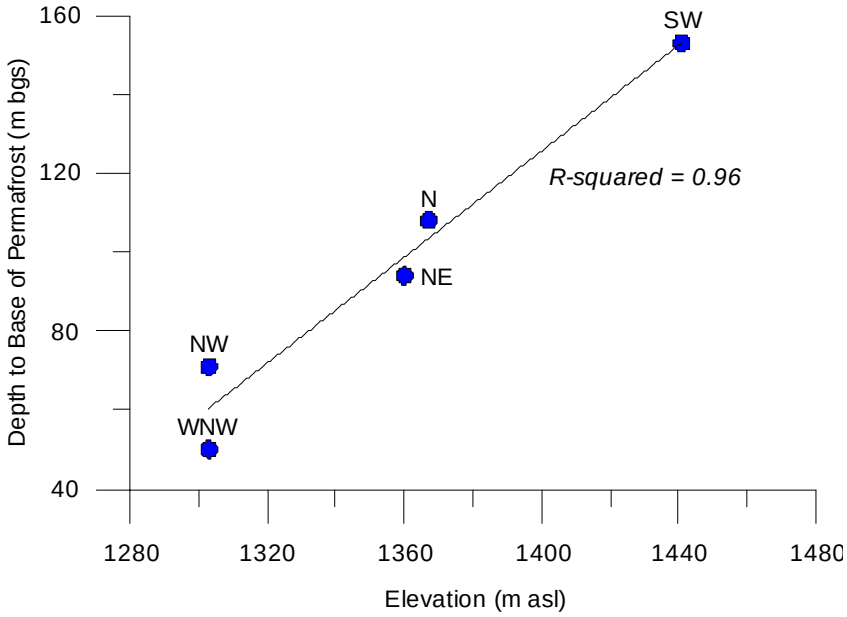


Figure 4-2: Correlation between permafrost thickness and elevation and slope aspect. The data point labels indicate the slope aspect at each observation well location.

4.4 Inferred Piezometric Elevations

Groundwater piezometric elevations were inferred from the pore pressure measurements with the VWPs and direct measurements of the depth to groundwater in the five nested monitoring wells. The inferred piezometric elevations for the bedrock aquifer at the Klaza Property are presented in Table 1 (attached) and Appendix C, and summarized in Table 4-5 below.

The pore pressure measured by the VWPs is usually significantly affected by the disturbance due to drilling and grouting of the observation well and depending on the permeability of the formation and grout it may take a considerable period of time for the pore pressures to re-equilibrate. The observed pore pressure readings form the VWPs (see Appendix C) suggest that the pore pressures have mostly returned to pre-disturbance conditions. However, additional readings from the VWPs are required to verify this observation.

The shallow monitoring wells MW15-01S through MW15-05S were installed within the anticipated active zone (zone of seasonal thawing above permafrost) in overburden or shallow bedrock where the overburden was absent or very thin. The piezometric elevations measured in the shallow monitoring wells therefore reflect shallow perched groundwater within the active zone. Groundwater flow within the active zone mostly depends on local topography and thickness of the active layer. Piezometric elevations observed in the shallow monitoring wells are summarized in Table 4-6.

As discussed in Sections 3.1.1 and 3.3, the vertical accuracy of the monitoring well elevation survey is only about ±0.1 m leading to a similar uncertainty of the derived groundwater elevations. Given the relatively steep topography at the site and large piezometric elevation differences (on the order of tens of metres) between monitoring well locations, an error of ±0.1 m would not affect the inferred groundwater flow regime significantly. However, we recommend that the monitoring wells be properly surveyed with an accuracy of about ±1 cm.

Table 4-5: Piezometric elevations inferred for the bedrock aquifer at the Klaza Property.

Well ID	Easting	Northing	Elevation	Depth to Groundwater	Piezometric Elevation	Vertical Hydraulic Gradient (positive down / negative up)
	m	m	m asl	m bgs	m asl	m/m
MW15-01D	383413	6888610	1318.00	17.79	1300.21	-
MW15-02D	383355	6890004	1345.38	59.00	1286.38	-
MW15-03D	383059	6890592	1301.86	28.02	1273.84	-
MW15-04D	382484	6891020	1277.38	12.99	1264.39	-
MW15-05D	381552	6890347	1253.58	12.75	1240.83	-
VWP15-01	382739	6889158	1440.85	144.29	1296.56	0.03
VWP15-02	382624	6890299	1366.63	76.36	1290.27	0.09
VWP15-03	382243	6890654	1302.70	28.09	1274.61	0.04
VWP15-04	381695	6889914	1302.81	27.16	1275.65	0.06

Table 4-6: Piezometric elevations inferred for the shallow perched aquifer within the active layer at the Klaza Property.

Well ID	Easting	Northing	Elevation	Depth to Groundwater	Piezometric Elevation
	m	m	m asl	m bgs	m asl
MW15-01S	383413	6888610	1318.00	dry	-
MW15-02S	383355	6890004	1345.38	0.40	1344.98
MW15-03S	383059	6890592	1301.86	1.08	1300.78
MW15-04S	382484	6891020	1277.38	1.09	1276.29
MW15-05S	381552	6890347	1253.58	0.18	1253.40

4.5 Hydraulic Well Testing

The following sections present the results of the hydraulic well tests conducted to infer the hydraulic conductivity of the bedrock aquifer at the Klaza Property.

4.5.1 Packer Testing Results

This section presents the results of the packer tests that were employed to collect preliminary data for determining the bedrock hydraulic conductivity in the areas of the main mineralized zones at Klaza. The results of the individual packer tests are presented in Table 3 (attached). The raw data for each packer test are included as Appendix E.

The packer tests were conducted at selected depth intervals deemed representative for both intersected bedrock sequences and structural features encountered as observed in the drill core. All test intervals were chosen over intervals expected to be below the groundwater table.

To assess the validity of the packer test data with respect to the assumptions implied by the analytical method of Thiem for inferring the aquifer hydraulic conductivity, the observed flow rate is plotted against the injection pressure for each pressure step (Figure 4 to Figure 7, attached). Ideally the flow rate should increase linearly with increasing injection pressure. However, deviation from the linear behaviour is often observed in packer test data and can be caused by a variety of reasons including, but not limited to, the following:

- Washing out of gouge material from fractures causing increased permeability;
- Fracture dilation or hydraulic fracturing due to excessive pressure;
- Clogging of fractures by transported material with a decrease in permeability; and,
- Turbulent (non-Darcian) flow due to excessive flow rate.

Table 4 (attached) summarizes the results of the diagnostic plot analysis and presents a data quality assessment. Packer tests with ideal linear flow behaviour are likely to result in reliable estimates of hydraulic conductivity using the method presented in Section 3.2.1. Moderate quality data will likely still result in reasonable estimates of hydraulic conductivity but should be used with some caution. Poor quality data with non-linear flow behaviour should be interpreted cautiously and may not result in reasonable estimates of hydraulic conductivity.

Table 3 presents the inferred hydraulic conductivities for each packer test. The inferred hydraulic conductivities range from about 4×10^{-10} m/s to about 3×10^{-6} m/s which are typical values for fractured bedrock (e.g., Freeze and Cheery, 1979).

Based on the observed ground temperatures from the VWPs, some of the packer tests were completed within the inferred permafrost zone (see highlighted cells in Table 3). The results from these tests may not be representative of the actual hydraulic conductivity of the frozen rock formation within the test interval as the test data may be affected by a thawed zone around the borehole when the hydraulic conductivity should be essentially zero. However, given the relatively warm temperatures of more than about -0.6°C observed within the inferred permafrost zone, it is also possible that unfrozen mineralized groundwater exists within the permafrost zone due to the freezing point depression caused by the water's salinity and in situ pressure (see Section 5.3 for further discussion). In the latter case the packer test results would indeed be representative of the bedrock hydraulic conductivity within the test interval.

Archer Cathro also logged all drill core for some basic geotechnical parameters, including Recovery and Rock Quality Designation (RQD). Both Recovery and RQD are related to the degree of fracturing of the bedrock and therefore potentially to the permeability as well. Figure 8 (attached) shows the inferred hydraulic conductivities from packer tests along with the Recovery and RQD values. However, there is no clear correlation between the inferred hydraulic conductivities and Recovery or RQD.

Figure 4-3 shows the inferred hydraulic conductivities as a function of depth. Typically, hydraulic conductivities decrease with depth as a result of increased pressure due to the overlying rock mass and the associated closure of permeable features such as joints and faults. However, this behaviour is not clearly observable in the data shown in Figure 4-3. This may be explained by dominant horizontal heterogeneity with the higher hydraulic conductivities being observed in areas with highly fractured rock or permeable fault zones.

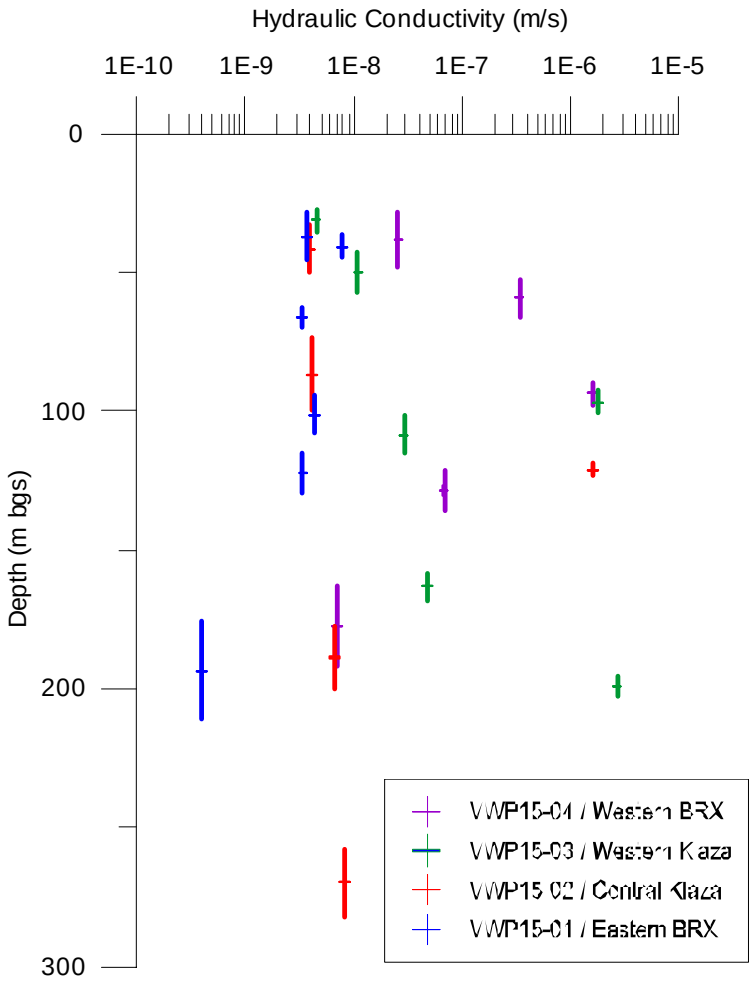


Figure 4-3: Hydraulic conductivities inferred from packer tests vs. depth

4.5.2 Hydraulic Response Testing Results

Hydraulic response tests were conducted on monitoring wells MW15-01D, MW15-04D, and MW15-5D to infer the hydraulic conductivity of the bedrock aquifer in the vicinity of the monitoring wells. Multiple tests were conducted on each monitoring well to confirm the test results and reduce uncertainty if the recovery was sufficiently fast. Only one or two tests were conducted on monitoring wells that exhibited a very slow recovery. However, all hydraulic response tests conducted on slow recovery wells produced suitable response data and Tetra Tech EBA therefore deems the inferred hydraulic conductivities reliable.

Table 4-7 summarizes the hydraulic response test results for each individual monitoring well. The hydraulic response test data and detailed analysis are included in Appendix D.

The inferred hydraulic conductivities agree reasonably well with the results from the packer tests discussed in Section 4.5.1. Monitoring wells MW15-01D and MW15-05D showed a very similar hydraulic conductivity of 9×10^{-6} m/s, indicating that both wells are completed in relatively permeable zones of the bedrock aquifer. Monitoring well MW15-04D, however, yielded a much lower hydraulic conductivity of 2×10^{-8} m/s, more similar to most of the packer testing results.

Table 4-7: Hydraulic response test results

Well ID	Test Type	Inferred Hydraulic Conductivity	
		Individual Test Results	Geometric Mean
		m/s	
MW15-01D	Falling Head Test 1	9E-06	9E-06
	Rising Head Test 1	1E-05	
	Falling Head Test 2	8E-06	
	Rising Head Test 2	9E-06	
	Falling Head Test 3	1E-05	
	Rising Head Test 3	1E-05	
MW15-04D	Falling Head Test 1	2E-08	2E-08
	Rising Head Test 1	4E-08	
	Falling Head Test 2	6E-09	
MW15-05D	Falling Head Test 1	8E-06	9E-06
	Rising Head Test 1	1E-05	
	Falling Head Test 2	9E-06	
	Rising Head Test 2	8E-06	

4.6 Groundwater Quality

The following sections present the results of the first groundwater monitoring event conducted following the monitoring well installation in August 2015. The laboratory analytical results of the monitoring event are summarized in Table 5 (attached). The laboratory report is included in Appendix F.

4.7 Quality Assurance and Quality Control (QA/QC)

A summary of the QA/QC procedures implemented for the groundwater monitoring program to ensure the validity of the data set is provided in Table 4-8. Sample duplicate results and relative percent differences (RPD) are presented in Table 6 (attached).

Table 4-8: Groundwater monitoring QA/QC

QA/QC Aspect	Evidence and Evaluation
Sample Integrity	All samples were collected in new sample bottles provided by the laboratory (ALS, Whitehorse). All preservatives were also provided by the laboratory. The samples were shipped on ice with a Chain of Custody immediately following the completion of the fieldwork.
Holding Times	All samples were received by the laboratory within appropriate holding times with the following exception: • pH: holding time of 15 min was exceeded; however, pH was also measured in the field • Nitrate/nitrite: holding time of 3 days was exceeded for separate analysis of nitrate and nitrite. However, nitrate+nitrite were also measured as a combined parameter within the appropriate holding time of 28 days.
Field Procedures	Monitoring wells were sampled using a submersible bladder pump or dedicated Waterra inertial pump. Field parameters were monitored while purging and samples were taken when field parameters were stabilized to ensure a representative sample was obtained.
Calibration of Field Equipment	Calibration of field equipment was undertaken regularly during fieldwork. • pH: two-point calibration with pH7 and pH10 calibration solutions • Electrical conductivity: one-point calibration with a 1,413 µS/cm standard
Ion Balance	To evaluate the quality of the analysis the ion balance for each sample was calculated, i.e., the balance between sum of anion and cation equivalent charges. Usually, an ion balance of within (0±10)% is considered satisfactory. The calculated ion balances vary from -5.4% to 2.7% (see Table 5), i.e., the ion balance for all samples is within (0±10)%. This suggests that analytical errors are within acceptable limits and all major cations and anions were included in the analyses.
Blind Duplicate	One blind duplicate sample was collected from MW15-05 (d) during the August 2015 monitoring program. Most duplicate results showed relative percent difference (RPD) of less than 30% when compared to concentrations measured in the respective sample from the same monitoring well for all concentrations greater than five times the method detection limit. The only exceptions are Total Kjeldahl Nitrogen with a RPD value of 51% and Dissolved Aluminum with an RPD value of 71%. The differences between the sample and duplicate for these two parameters are unknown and the results for Total Kjeldahl Nitrogen and Dissolved Aluminum should therefore be considered potentially unreliable. The RDP values for both duplicate samples collected are presented in Table 5.
Laboratory Internal QA/QC	Laboratory internal QA/QC is detailed within the laboratory reports (Appendix F). The laboratory showed acceptable testing frequency and results for method blanks, laboratory duplicates and matrix spikes.
Laboratory Detection Limit	Laboratory reports indicate that the method detection limits were lower than the respective assessment criteria for most parameters, with the exception of Mercury where the method detection limit of 0.025 µg/L was slightly higher than the Federal Interim Groundwater Guideline of 0.016 µg/L.
Validity of Data Set	The data quality review indicates no significant systematic errors in the data collection or analysis process for groundwater and therefore, the data set used as the basis for the groundwater assessment is considered valid and complete.

4.8 General Groundwater Chemistry

In general, the chemical composition of groundwater depends on the local and upgradient aquifer lithologies. As groundwater flows through an aquifer it assumes and continuously evolves a characteristic chemical composition due to interaction with the aquifer matrix. As such a groundwater sample represents the local and upstream aquifer conditions, and its composition is a function of aquifer lithology, solution kinetics, water residence time, mixing, and groundwater flow patterns.

A summary of the analytical results of the groundwater chemistry at the Klaza Property is provided in Table 5. The analytical results suggest that groundwater within the project area has relatively low to moderate concentrations of total dissolved solids (TDS) ranging from 167 to 401 mg/L. The pH values ranged from 6.81 to 8.05. Hardness values ranged from 62 to 327 mg/L. Field measured dissolved oxygen concentrations ranged from 0.5 to 6.7 mg/L. Groundwater temperatures ranged from 0.8 to 3.1°C.

4.9 Major Ion Chemistry

The groundwater samples can be classified based on their major ion chemical composition, taking into account all major anions and cations exceeding 10 meq-%[1]. The water type or hydrochemical facies is determined by listing the ions with concentrations greater than 10 meq-% in decreasing order (cations are listed first). Figure 4-4 shows a trilinear Piper Plot illustrating the major ion chemistry and hydrochemical facies for all groundwater samples collected. The water type and major ions for each sample are also presented in Table 5.

The dominating cations in the groundwater were found to be calcium and magnesium. The samples obtained from monitoring wells MW15-04D and MW15-05S also contained significant amounts of sodium in addition to calcium and magnesium. The dominating anions within the groundwater were found to be bicarbonate and sulphate. Sample from the shallow monitoring wells are mostly dominated by bicarbonate whereas samples from the deeper monitoring wells tend to contain more sulphate (see Figure 4-4).

In general, the major ion chemistry is relatively similar for the samples collected from both shallow and deep monitoring wells and do not show any clear differences between the two aquifers.

4.10 Comparison with Applicable Regulatory Water Quality Guidelines

Groundwater quality results were compared with the following regulatory guidelines and standards:

- Yukon CSR Schedule 3, Generic Numerical Water Quality Standards for Aquatic Life (CSR-AW) (Yukon Environment Act, Contaminated Sites Regulation, 2002).
- Federal Interim Groundwater Quality Guidelines for Commercial and Industrial Land Uses and Protection of Freshwater Aquatic Life (FIG) (Environment Canada, 2012).
- Canadian Council of Ministers of the Environment (CCME) Canadian Water Quality Guidelines for the Protection of Freshwater Aquatic Life (CCMW-AW) (CCME, 1999). It is important to note that these guidelines only apply to surface water and are only used for reference herein. Hence, exceedances of the CCME-AW guidelines are highlighted in Table 5 (grey-shaded cells) but not further discussed below.

The Yukon CSR AW standards and FIG guidelines apply to dissolved metals rather than total metals. This is also in accordance with general industry practice of using dissolved rather than total metals to characterize groundwater

[1] The unit meq-% represents the percentage of cations and anions calculated from their milliequivalents per litre (meq/L). The unit meq/L is the molar concentration multiplied by the charge of the ions.

quality. Total metal concentrations are often dependent on well completion, well development and sampling method and are typically less representative of in situ groundwater quality. Dissolved metals were therefore used for comparison with the applicable regulatory water quality standards and guidelines.

All exceedances of the aforementioned water quality standards and guidelines are discussed in more detail below and highlighted in Table 5.

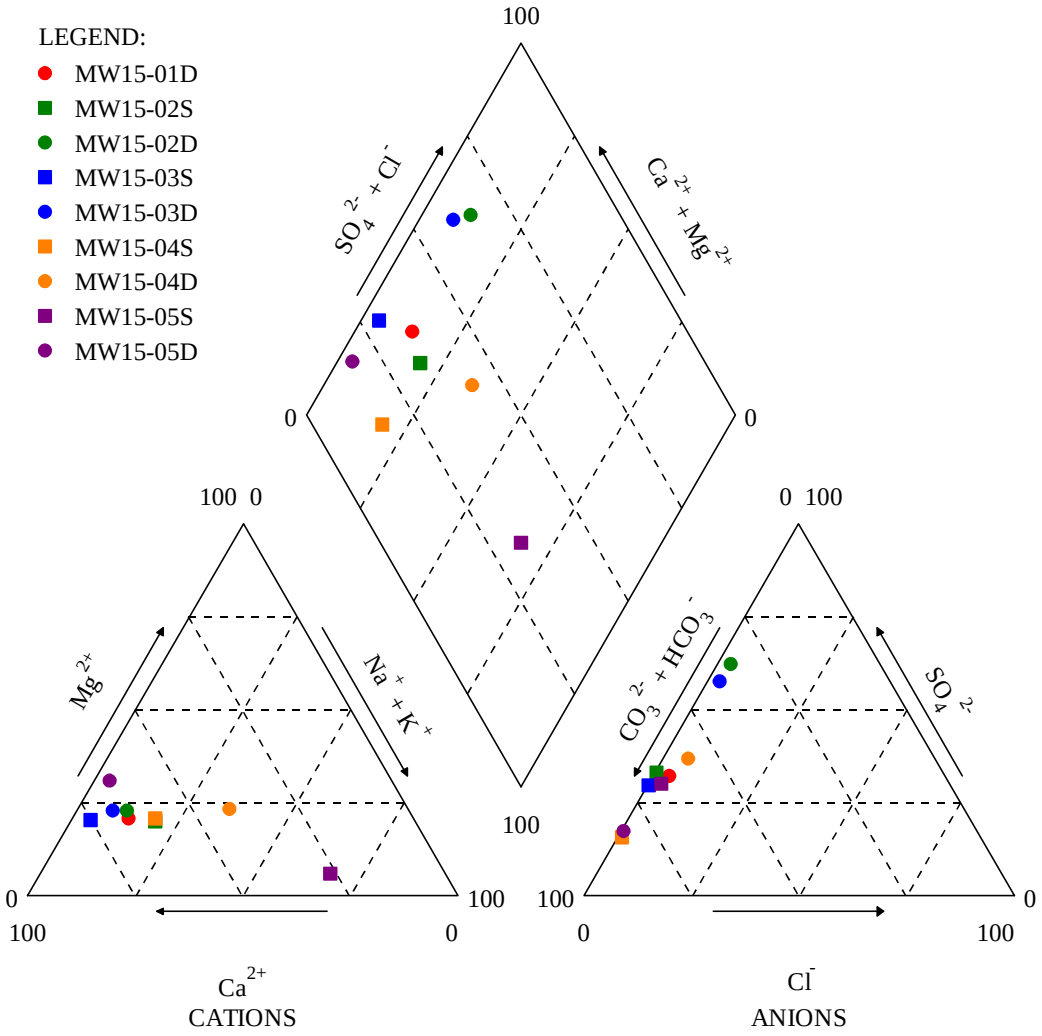


Figure 4-4: Trilinear Piper Plot illustrating the major ion composition of the groundwater samples collected at the Klaza Property.

Routine Parameters, Major Ions and Nutrients

The fluoride concentration in the samples collected from MW15-01D (333 µg/L), MW15-04D (246 µg/L) and MW-15-05S (201 µg/L) slightly exceeded the FIG guideline of 120 µg/L. The samples from MW15-03S (104 mg/L) and MW15-03D (138 mg/L) also slightly exceeded the FIG guideline for sulphate of 100 mg/L.

Dissolved Metals

The review of the analytical results for dissolved metals revealed exceedances for aluminum, cadmium, copper, iron, lead, selenium, silver, and zinc for the FIG guidelines. The cadmium concentration also exceeded the CSR AW standard in some samples.

The FIG guideline for **Aluminum** of 50 µg/L was exceeded by samples from MW15-01D, MW15-02D, MW15-03D, MW15-04S, MW15-04D, and MW15-05S.

Cadmium concentrations showed the most significant exceedances of the FIG and CSR-AW guidelines. All samples exceeded the FIG guideline of 0.017 µg/L. Samples from MW15-01D, MW15-02S, and MW15-02D also exceeded the CSR-AW standard of 0.3-0.6 µg/L (standard varies with hardness). Based on the preliminary results of this first round of groundwater samples it appears that groundwater across the Klaza property contains elevated concentrations of cadmium.

The FIG guideline for **Copper** of 2 µg/L was slightly exceeded by samples from MW15-01D, MW15-02S, MW15-02D, MW15-03D, and MW15-05S.

The **Iron** concentration in MW15-01D, MW15-02D, and MW15-05S slightly exceeded the FIG guideline of 300 µg/L. However, iron concentrations often exceed water quality standards in groundwater under reduced chemical conditions.

The **Lead** concentration in samples MW15-01D and MW15-05S exceeded the FIG guideline.

The **Selenium** and **Silver** concentrations in MW15-01D both exceeded the FIG guidelines.

The FIG guideline for **Zinc** of 10 µg/L was exceeded by samples from MW15-02S, MW15-02S, MW15-03S, and MW15-03D.

As summarized above, all groundwater samples collected at the Klaza Property exceeded a minimum of two FIG guidelines and three of the wells also exceeded the CSR-AW standard for cadmium. MW15-01D showed the most exceedances; however, there is no obvious spatial trend or difference between the shallow overburden and deeper bedrock aquifer with respect to exceedances of water quality guidelines.

Continued seasonal monitoring of the groundwater quality at the Site will indicate whether the above exceedances can be established as persistent natural exceedances of the water quality guidelines or whether some of them may only be isolated exceedances.

5.0 PRELIMINARY CONCEPTUAL HYDROGEOLOGICAL MODEL

The preliminary conceptual hydrogeological model is intended to conceptually describe the existing local hydrogeological conditions in the area of the main mineralized zones at Klaza with respect to groundwater flow and groundwater quality. The conceptual model is based upon information gathered during the 2015 hydrogeological field program and data interpretation, along with other pertinent geological information available for the Klaza Property.

5.1 Hydrostratigraphy

The local hydrogeological system in the area of the main mineralized zones primarily consists of a bedrock aquifer which is overlain and likely confined by permafrost. Based on the current level of subsurface information for the site, for the purpose of this preliminary hydrogeological assessment, we assume that the bedrock aquifer consists of one aquifer. Even though this assumption is simplistic it is further supported by the fact that the bedrock aquifer consists of the same lithology (granodiorite) throughout the site. Hydraulic conductivities inferred from packer tests do not show any significant correlation with depth and therefore, do not suggest stratification of the aquifer based on a decrease in hydraulic conductivity with depth, at least not within a depth of about 200 m bgs. Furthermore, interpolation of the observed groundwater elevations indicates a groundwater flow regime that agrees with anticipated groundwater flow directions based on the topography and therefore also supports the hypothesis of one hydraulically connected bedrock aquifer.

For this preliminary assessment, we further assume the regional groundwater flow divides to coincide with surface water divides. From first principles, groundwater flows from areas of higher piezometric elevations to lower piezometric elevations. Groundwater recharge occurs at higher elevations with the groundwater ultimately discharging to surface water bodies at lower elevations in the valleys. The presence of extensive permafrost may, however, reduce infiltration of surface water and therefore recharge to the bedrock aquifer below.

5.1.1 Overburden Aquifer

Overburden in the area of the main mineralized deposits mostly include a thin blanket of colluvium above shallow bedrock. Shallow perched groundwater seasonally exists in the overburden within the active layer above permafrost. Shallow groundwater in overburden was observed during the August 2015 field program in the following monitoring wells: MW15-02S, MW15-03S, and MW15-05S. The overburden encountered in MW15-01S was dry at the time of monitoring and overburden was very thin (about 1.4 m) at MW14-04S with only about 0.3 m of water above bedrock.

5.1.2 Bedrock Aquifer

The bedrock aquifer underlying the Klaza Property mainly consists of granodiorite locally intersected by quartz-feldspar porphyry dykes. Groundwater flow in bedrock aquifers predominantly occurs in secondary pore space (fractures and fault zones) as primary porosity is usually very small, or essentially non-existent as in the case of magmatic rocks like the granodiorite encountered at Klaza. Bedrock aquifers therefore typically act like confined aquifers. In general, groundwater flow in fractured rocks is complex and can vary greatly in direction and rate, depending on the local hydrogeological and structural geological conditions. Transmissivity values can change over several orders of magnitude within the same rock mass over short distances (scale of metres), and groundwater flow may be largely controlled by a few conductive fractures or other rock mass discontinuities.

Packer test results vary over several orders of magnitude, ranging from about 4×10^{-10} m/s to about 3×10^{-6} m/s. Packer test results are only representative for the short discrete test intervals and the immediate vicinity of the wellbore. Single features like fractures, faults, or shear zones can significantly affect and dominate the hydraulic

conductivity of the test interval. This explains the relatively large variability of inferred hydraulic conductivities. The geometric mean of 2×10^{-8} m/s for all packer tests conducted provides a reasonable average hydraulic conductivity for the shallow bedrock aquifer at Klaza to depths of about 200 m bgs.

5.2 Groundwater Flow Regime

The groundwater flow regime can be inferred from observed piezometric elevations as groundwater generally flows from areas with higher piezometric elevations to areas with lower piezometric elevations.

Figure 3 (attached) shows the preliminary inferred piezometric elevation contours for the bedrock aquifer based on the August 2015 monitoring event. The Kriging method was used to interpolate the observed piezometric elevations at the various observations points (MW15-01D through MW15-05D and VWP15-01 through VWP15-04). Based on the topographic characteristics of the area with mountainous terrain it can be assumed that the groundwater flow regime is mainly controlled by the area's topography.

In general, groundwater flow is from the upland areas at higher elevation on the mountain top and slopes toward the discharge zones in the valley bottoms. The groundwater flow direction is from the highest elevations at the Klaza Property near the exploration camp toward the west, north and east (see Figure 3).

The inferred horizontal hydraulic gradient is variable throughout the site ranging from less than 0.01 in the Central BRX area to more than 0.08 in the Western Klaza and Eastern BRX area with steeper topography. The vertical hydraulic gradient can also be inferred based on the VWP readings at three different depths in each VWP observation well (VWP15-01 through VWP15-04). Figure 5-1 illustrates the piezometric elevations observed in each well. The inferred piezometric elevations indicate a vertical downward gradient in each observation well ranging from 0.03 in VWP15-01 to 0.09 in VWP15-02 (see Table 4-5).

The average horizontal linear groundwater flow velocity can be estimated using a modification of Darcy's Law:

$$v = K \cdot i \cdot n^{-1}$$

where *v* is the groundwater flow velocity (m/s), *K* is the hydraulic conductivity of the aquifer (m/s), *i* is the hydraulic gradient (m/m), and *n* is the effective porosity of the aquifer material (–).

Using an average bulk hydraulic conductivity of 2×10^{-8} m/s (geometric mean of all packer tests conducted; cf. Section 4.5.1), a mean hydraulic gradient of 0.02, and assuming a fractured bedrock equivalent porosity of 1% (e.g., Freeze and Cheery, 1979), the resulting average linear groundwater flow velocity is 4×10^{-8} m/s or 1.3 m/year.

It should be noted that local groundwater flow velocities can be much larger or smaller based on the local aquifer hydraulic conductivity and hydraulic gradient. For examples, permeable faults can form preferential flow paths for groundwater with significantly higher flow velocities than the estimate above.

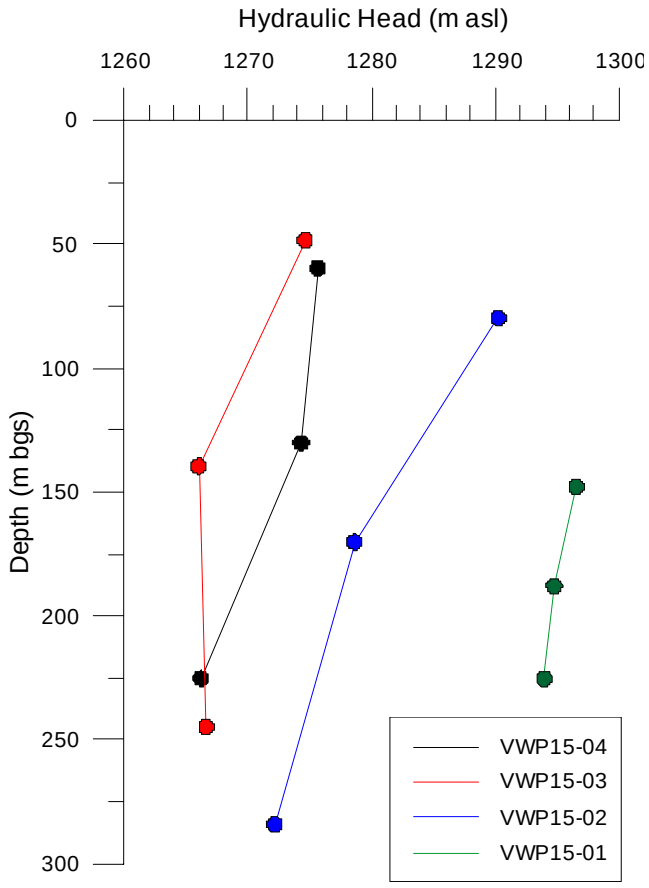


Figure 5-1: Piezometric elevations (hydraulic heads) inferred from pore pressure measurements using VWPs. All observations wells showed a vertical downward hydraulic gradient. All measurements were taken on August 22 and 23, 2015.

5.3 Permafrost

The results of this preliminary hydrogeological assessment along with other pertinent information for the area of the Klaza Property indicate that the site is located in an area with widespread discontinuous permafrost. Permafrost has been encountered in all VWP observation wells (VWP15-01 through VWP15-04) as well as in GTC15-01. The inferred permafrost thickness is variable and ranges from about 50 to 150 m, depending on elevation and slope aspect. Permafrost seems to be most extensive at higher elevations as well as north- and west-facing slopes. It should be noted that all ground temperature observation wells (VWP15-01 through VWP15-04 and GTC15-01) were completed at collar elevations above 1,300 m asl. It is likely that permafrost is less extensive or possibly absent at lower elevations near the valley bottoms and on south- and east-facing slopes.

All permafrost observed at the site showed ground temperatures of more than -0.6°C indicating that the permafrost in the area investigated can be considered ‘warm permafrost’. Warm permafrost typically remains just below 0°C (and above -1°C) and is generally susceptible to thawing and degradation. The ‘warm’ sub-zero ground temperatures within the permafrost zone are unusual given the inferred permafrost thickness of up to 150 m. However, this observation has to be confirmed with additional ground temperature measurements at GTC15-01 and VWP15-01 through VWP15-04. As stated above (cf. Section 4.3), it is possible that the ground temperatures

have not fully re-equilibrated to pre-disturbance conditions and that the actual ground temperatures are lower than those observed in August 2015.

Based on the observed piezometric elevations and inferred depth of permafrost from ground temperature measurements, it appears that the piezometric surface is situated within the permafrost zone in most areas of the site. This is likely due to the fact that the permafrost is acting as a confining layer above the sub-permafrost groundwater. However, given the 'warm' permafrost temperatures it is also possible that unfrozen groundwater exists within the permafrost zone due to the freezing point depression caused by the groundwater's salinity and pressure. Additional ground temperature measurements are required to confirm the undisturbed ground temperature profile and inferred extent of permafrost at the site.

There also remains some uncertainty with respect to the permafrost thickness at lower elevations. As stated above, all ground temperature observation wells were installed at elevations of more than about 1,300 m asl whereas the monitoring wells were mostly installed at slightly lower elevations downgradient of the mineralized zones. The fact that all monitoring wells recovered during well development and sampling suggests that all monitoring wells were successfully installed below the base of permafrost. Especially monitoring wells MW15-01D, MW15-04D and MW15-05D recovered relatively quickly and are very likely completed within the sub-permafrost aquifer (assuming permafrost exists at these locations). Continued monitoring will show if and at what depths the monitoring wells may freeze which would indicate the extent of permafrost at the locations of the five monitoring wells.

5.4 Hydrogeochemistry

The chemical composition of groundwater in bedrock strongly depends on the local and upgradient aquifer lithologies. As groundwater flows through the aquifer, it assumes and continuously evolves a characteristic chemical composition due to interaction with the aquifer matrix. As such, a groundwater sample represents the local and upstream aquifer conditions, and its composition is a function of aquifer lithology, solution kinetics, water residence time, mixing, and groundwater flow patterns.

All groundwater samples collected at the Klaza Property exhibited a similar hydrogeochemical composition with slight differences between samples due to sample location. All groundwater samples are of a calcium and/or magnesium dominant cation type, and bicarbonate and/or sulphate anion type. The groundwater shows a low to moderate mineralization and near neutral pH. Groundwater from the deeper monitoring wells completed within the sub-permafrost bedrock aquifer tend to be more dominated by sulphate whereas groundwater from the shallow active layer is more bicarbonate dominated. Beyond the anion composition, the groundwater samples from both aquifers are characterized by a very similar chemical composition.

Generally, all samples showed at least two exceedances of FIG guidelines for routine parameters or dissolved metals. The cadmium concentration in groundwater appears to be elevated across the site exceeding the FIG guideline in all samples and the CSR-AW standard in three of the samples collected.

5.5 Groundwater – Surface Water Interaction

Groundwater flow in the area of the mineralized zones is generally controlled by topography and groundwater divides are assumed to coincide with surface water divides. Groundwater is being recharged at higher elevations on the mountain slopes in areas where permafrost is absent or where the ground temperature is high enough to allow water flow. Groundwater generally flows down-valley mimicking the local topography. The groundwater eventually discharges to the receiving streams along the valley bottoms.

Groundwater originating from the area of the mineralized zones likely discharges into Klaza River to the north, Summit Creek to the southeast, and the Klaza River tributary to the west of the site.

The amount of baseflow, i.e., groundwater seepage into the creeks, depends on the hydraulic gradient and hydraulic conductivity of the shallow aquifer in the vicinity of the receiving stream. In general, the fraction of baseflow in the creek will be much larger in the winter when there is little or no surface runoff or shallow subsurface runoff (also referred to as interflow). The (late) winter creek discharge usually provides a good estimate of the baseflow as it amounts to nearly 100% of the total discharge observed during this time of the year.

We understand that seasonal surface water data have been collected for the Klaza project; however, no surface water data have been provided to Tetra Tech EBA. A more detailed assessment of groundwater-surface water interaction is therefore not possible at this time.

6.0 SUMMARY AND CONCLUSIONS

Based on the results of the monitoring well drilling and completion, and the preliminary hydrogeological assessment presented in this report, Tetra Tech EBA arrived at the following conclusions:

- A preliminary monitoring well network was successfully installed at the Klaza Property with monitoring well locations downgradient of the main mineralized zones, including Western and Central Klaza, and Western, Central, and Eastern BRX.
- One shallow monitoring well and one deep monitoring well were installed at each location consisting of 1.25-inch diameter PVC standpipes.
- In addition to the monitoring wells, four observations wells were installed with VWPs to monitor pore pressures at three different depths in each of the observation wells. The VWP observations wells were installed within the areas of the main mineralized zones, including Western and Central Klaza, and Western, Central, and Eastern BRX.
- Ground temperatures and permafrost conditions were assessed using subsurface temperature data from the VWPs and one thermistor cable installed in GTC15-01 in the area of the Central Klaza zone.
- Permafrost appears to act as a confining layer for the deeper bedrock aquifer. However, some uncertainty remains with respect to the permafrost temperature, extent, and interaction with groundwater that requires further data collection.
- The groundwater flow regime at the site is controlled by the steep terrain with groundwater flow from areas at higher elevations on the mountain slopes toward the valley bottoms with the groundwater flow generally mimicking the local topography.
- Hydraulic conductivities of the granodiorite bedrock aquifer were inferred from packer tests conducted in all four VWP observation wells and hydraulic response tests conducted in select monitoring wells. Inferred hydraulic conductivities ranged over several orders of magnitude from about 4×10^{-10} m/s to 1×10^{-5} m/s with an average hydraulic conductivity of 2×10^{-8} m/s. Hydraulic conductivity in bedrock is inferred to be largely controlled by fracture density and permeability.
- Groundwater samples for chemical analysis were collected from all monitoring wells in August 2015. The results show a similar hydrogeochemical composition with slight differences between samples due to sample location. All groundwater samples are of a calcium and/or magnesium dominant cation type, and bicarbonate and/or sulphate anion type.
- All groundwater samples, including those collected in the area of the ore deposit, showed a near neutral to slightly basic pH (between 7 and 8).
- Comparison of the groundwater chemistry results showed several natural exceedances of the FIG guidelines. Exceedances included sulphate, fluoride, and the dissolved metals aluminum, cadmium, copper, iron, lead, selenium, silver, and zinc. The dissolved cadmium concentrations also exceeded the less stringent CSR-AW standard in three of the samples.

7.0 RECOMMENDATIONS

The purpose of this preliminary hydrogeological assessment was to initiate the collection of hydrogeological information in the area of the main mineralized zone at the Klaza Property. However, additional data collection will be required to satisfy the requirements under YESAA and the Yukon Waters Act if the project moves ahead toward the environmental assessment and approval process. The hydrogeological information collected as part of the preliminary hydrogeological assessment and presented in this report will be very useful for the design of a comprehensive hydrogeological baseline and effects assessment that will form part of the environmental assessment. The information will also be useful for mine design purpose and should form the basis for additional hydrogeological data collection that may be required for geotechnical and mine engineering purpose.

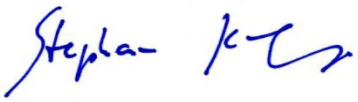
Tetra Tech EBA makes the following recommendations for further hydrogeological assessment at Klaza:

- Seasonal groundwater monitoring should be continued for the existing monitoring and observation wells. A minimum of one year of baseline groundwater data will be required for a project proposal submission under YESAA to assess seasonal changes in groundwater quality and quantity. A future Type A Water Licence application will require a minimum of two consecutive years of baseline data.
- All monitoring wells should be surveyed for their location and elevation of the top of the PVC casing in the summer of 2016 with an accuracy of about ±1 cm or better.
- Given the inferred extent of permafrost at the site, a thorough understanding of the interaction between permafrost and groundwater will be a critical aspect of the hydrogeological baseline characterization at the site that is required for the environmental assessment and regulatory approval process as well as mine engineering purpose. We therefore recommend collecting additional ground temperature and hydrogeological data from the existing observation and monitoring wells as well as additional wells if required. The data should be used to update the preliminary conceptual hydrogeological model with an emphasis on permafrost-groundwater interaction.
- As the mine planning progresses, additional monitoring wells should be installed in the areas up- and down-gradient of proposed mine infrastructure, including any proposed infrastructure that may affect groundwater quality and/or quantity during mine construction, operation, or closure (e.g., open pits, underground workings, tailings facility, waste rock dump(s), ore stock piles, mill, fuel and chemical storage, and camp facilities).
- The groundwater and surface water baseline data collection should be integrated and both data sets be interpreted with respect to groundwater-surface water interaction.

8.0 CLOSURE

We trust this report meets your present requirements. If you have any questions or comments, please contact the undersigned.

Respectfully submitted,
Tetra Tech EBA Inc.



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TABLES

Table 1 Monitoring Well Completion Details
Table 2 VWP Installation and Datalogger Details
Table 3 Summary Packer Test Results
Table 4 Packer Test Data Quality Analysis
Table 5 Summary of Groundwater Chemistry Results
Table 6 Groundwater Quality Assurance/Quality Control Analytical Results

Table 1: Monitoring Well Completion Details

Well ID	Easting	Northing	Elevation		PVC Slot Size	PVC Specification	Stick-up	Total Drilled Depth	Screen		Concrete		Bentonite Seal		Bentonite Seal		Sand Pack		Depth to Groundwater		Piezometric Elevation	Comments
	UTM NAD 83 Zone 8N		Ground	TOC					From (top)	To (bottom)	From (top)	To (bottom)	From (top)	To (bottom)	From (top)	To (bottom)	From (top)	To (bottom)				
	m	m	m asl	m asl	inches	-	m ags	m bgs	m bgs	m bgs	m bgs	m bgs	m bgs	m bgs	m bgs	m bgs	m bgs	m bgs	m toc	m bgs	m asl	
MW15-01D	383413	6888610	1318.00	1319.06	0.010	Nominal 1.25", Schedule 40	1.06	75.90	66.3	75.4	0.0	0.3	0.3	2.4	5.2	65.5	65.5	75.90	18.85	17.79	1300.21	Datalogger
MW15-01S	383413	6888610	1318.00	1319.07	0.010	Nominal 1.25", Schedule 40	1.07	-	3.1	4.6	-	-	-	-	-	-	2.4	5.2	dry	-	-	
MW15-02D	383355	6890004	1345.38	1346.21	0.010	Nominal 1.25", Schedule 40	0.83	66.75	55.4	64.5	0.0	0.3	0.3	2.4	5.2	54.7	54.7	66.75	59.83	59.00	1286.38	WL measured after sampling; may not be representative of static WL
MW15-02S	383355	6890004	1345.38	1346.21	0.010	Nominal 1.25", Schedule 40	0.83	-	3.4	4.9	-	-	-	-	-	-	2.4	5.2	1.23	0.40	1344.98	WL measured after sampling; may not be representative of static WL
MW15-03D	383059	6890592	1301.86	1302.98	0.010	Nominal 1.25", Schedule 40	1.12	33.22	21.9	31.0	0.0	0.3	0.3	2.5	5.2	20.7	20.7	33.22	29.14	28.02	1273.84	WL measured after sampling; may not be representative of static WL
MW15-03S	383059	6890592	1301.86	1302.94	0.010	Nominal 1.25", Schedule 40	1.08	-	3.2	4.7	-	-	-	-	-	-	2.5	5.2	2.16	1.08	1300.78	WL measured after sampling; may not be representative of static WL
MW15-04D	382484	6891020	1277.38	1278.44	0.010	Nominal 1.25", Schedule 40	1.06	84.43	51.0	63.2	0.0	0.3	0.3	1.9	5.5	49.9	49.9	65.5	14.05	12.99	1264.39	Bentonite plug from 65.5 to 83.1, sand from 83.1 to 85.1
MW15-04S	382484	6891020	1277.38	1278.45	0.010	Nominal 1.25", Schedule 40	1.07	-	3.1	4.6	-	-	-	-	-	-	1.9	5.5	2.16	1.09	1276.29	
MW15-05D	381552	6890347	1253.58	1254.44	0.010	Nominal 1.25", Schedule 40	0.86	48.46	37.4	46.5	0.0	0.3	0.3	2.5	5.2	36.7	36.7	48.46	13.61	12.75	1240.83	Datalogger
MW15-05S	381552	6890347	1253.58	1254.44	0.010	Nominal 1.25", Schedule 40	0.86	-	2.9	4.4	-	-	-	-	-	-	2.5	5.2	1.04	0.18	1253.40	

Table 2: VWP Installation and Datalogger Details

Area	VWP ID	Well ID	Azimuth	Dip	VWP No.	Depth Along Hole (m)	Depth (m bgs)	Datalogger S/N	VW S/N	Datalogger Port	Recording Interval
						m ah	m bgs				hours
Eastern BRX	VWP15-01	KL-15-252	35	-50	1	193.16	147.97	4545	33200	VW1	6
					2	245.28	187.9		33202	VW2	
					3	294.36	225.49		33204	VW5	
Central Klaza	VWP15-02	KL-15-255	35	-50	1	104.24	79.85	4543	33197	VW2	6
					2	222.2	170.22		33201	VW3	
					3	370.94	284.16		33206	VW4	
Western Klaza	VWP15-03	KL-15-253	35	-50	1	63.43	48.59	4542	33195	VW2	6
					2	319.47	244.73		33205	VW3	
					3	182.31	139.66		33199	VW5	
Western BRX	VWP15-04	KL-15-254	35	-50	1	77.9	59.67	4544	33196	VW4	6
					2	169.95	130.19		33198	VW2	
					3	294.01	225.22		33203	VW3	

Table 3: Summary of Packer Test Results

Well ID	Dip	Test Number	Test Interval		Inferred Hydraulic Conductivity K	Lithology Description
			From	to	Geometric Mean	
	Degree		m ah		m/s	
VWP15-01 / KL-15-252	-50	1	40.2	57.0	3.7E-09	Oxidized Granodiorite and hyrdrothermally altered quartz feldspar
		2	49.4	57.0	7.9E-09	Hydrothermally altered quartz feldspar
		3	82.9	90.5	3.3E-09	Granodiorite with phyllic alteration. Highly fractured from 85.3 to 88.3 m.
		4	125.3	139.3	4.4E-09	Granodiorite with phyllic alteration and disseminated pyrite and hydrothermally altered quartz feldspar
		5	153.0	166.7	3.4E-09	Granodiorite with pyrite bearing veins and propylitic alteration
		6	235.0	270.0	4.0E-10	Granodiorite with pyrite bearing veins
VWP15-03 / KL-15-253	-50	1	37.2	44.8	4.5E-09	Granodiorite with argillic alteration
		2	58.5	72.2	1.1E-08	Granodiorite and quartz feldspar porphyry dyke
		3	122.5	130.1	1.8E-06	Fault zone within granodiorite unit.
		4	134.7	148.3	2.9E-08	Granodiorite
		5	208.0	218.0	4.8E-08	Granodiorite and quartz feldspar porphyry dyke
		6	257.0	264.0	2.7E-06	Granodiorite with phyllic alteration hosting polymetallic Western Klaza vein
VWP15-04 / KL-15-254	-50	1	40.2	60.0	2.6E-08	Highly fractured and oxidized granodiorite
		2	70.7	84.4	3.4E-07	Relatively unaltered granodiorite
		3	118.7	126.3	1.6E-06	Granodiorite with quartz carbonate pyrite veinlets
		4	161.0	175.0	6.8E-08	Granodiorite. Fault zone from 164.1 - 166.9 m.
		5	217.0	246.0	7.1E-09	Granodiorite with well mineralized quart carbonate from 223.6 to 229.2 m ah.
VWP15-02 / KL-15-255	-50	1	46	62.7	4.00E-09	Granodiorite with moderate oxidization
		2	100.5	126.3	4.10E-09	Granodiorite with phyllic, potassic and argillic alteration
		3	156.1	160.6	(1.60E-06)	Granodiorite with phyllic alterations and quartz/carbonate veins hosting massive sulphides
		4	235	258	6.70E-09	Granodiorite
		5	340	365	8.40E-09	Granodiorite with narrow mineralized zone at 357.5 to 358.5 m containgin pyrite, arsenopyrite, ankerite, sphalerite and galena.

Possibly within permafrost
Poor data quality; see Table 4

Table 4: Packer Test Data Quality Analysis

Well ID	Dip	Test Number	Test Interval		Vertical Depth		Diagnostic Plot Analysis (see Figures 4 to 7)	Data Quality		
			From	to	From	To		Good	Moderate	Poor
	Degree		m ah		m					
VWP15-01 / KL-15-252	-50	1	40.2	57.0	30.8	43.7	Dilation		X	
		2	49.4	57.0	37.8	43.7	Liminar flow	X		
		3	82.9	90.5	63.5	69.3	Possibly some clogging		X	
		4	125.3	139.3	96.0	106.7	Laminar flow	X		
		5	153.0	166.7	117.2	127.7	Dilation		X	
		6	235.0	270.0	180.0	206.8	Very little flow; lower limit of method		X	
VWP15-03 / KL-15-253	-50	1	37.2	44.8	28.5	34.3	Very little flow; lower limit of method		X	
		2	58.5	72.2	44.8	55.3	Laminar flow	X		
		3	122.5	130.1	93.8	99.7	Laminar flow	X		
		4	134.7	148.3	103.2	113.6	Dilation		X	
		5	208.0	218.0	159.3	167.0	Laminar flow	X		
		6	257.0	264.0	196.9	202.2	Laminar flow	X		
VWP15-04 / KL-15-254	-50	1	40.2	60.0	30.8	46.0	Large leak from stuffing box. Test terminated due to leak.			X
		2	70.7	84.4	54.2	64.7	Laminar flow	X		
		3	118.7	126.3	90.9	96.8	Laminar flow	X		
		4	161.0	175.0	123.3	134.1	Laminar flow. Possibly some minor clogging	X		
		5	217.0	246.0	166.2	188.4	Laminar flow	X		
VWP15-02 / KL-15-255	-50	1	46.0	62.7	35.2	48.0	Very little flow		X	
		2	100.5	126.3	77.0	96.8	Laminar flow; Step 2 shows high flow		X	
		3	156.1	160.6	119.6	123.0	Water bypassing packer			X
		4	235.0	258.0	180.0	197.6	Laminar flow; possibly some dilaton		X	
		5	340.0	365.0	260.5	279.6	Laminar flow.	X		

Table 5: Groundwater Analytical Results

Parameter	Unit	CCME - AW[1]	Federal Interim Guideline[2]		CSR - AW[3]	MW15-01	MW15-02		MW15-03	
						MW15-01 (d)	MW15-02 (s)	MW15-02 (d)	MW15-03 (s)	MW15-03 (d)
			Fine	Coarse		23-Aug-2015	23-Aug-2015	23-Aug-2015	24-Aug-2015	24-Aug-2015
Field Parameters										
Temperature	°C	-	-	-	-	-	2.4	2.8	2.2	1.3
pH	pH Units	6.5-9.0	6.5-9	6.5-9	-	7.7	6.2	7.5	7.0	7.1
Electrical Conductivity (EC) [9]	µS/cm	-	-	-	-	260	157	183	340	280
Dissolved oxygen	mg/L	-	-	-	-	0.8	0.5	5.1	3.2	6.7
Physical Parameters										
pH	pH Units	6.5-9.0	6.5-9	6.5-9	-	7.76	6.81	7.52	7.52	7.53
Electrical Conductivity (EC)	µS/cm	-	-	-	-	393	230	317	593	473
Total Dissolved Solids (TDS)	µg/L	-	-	-	-	396,000	167,000	237,000	401,000	344,000
Hardness as $CaCO_3$	µg/L	-	-	-	-	184,000	96,000	146,000	327,000	237,000
Alkalinity (total as $CaCO_3$)	µg/L	-	-	-	-	152,000	78,200	58,100	257,000	99,200
Acidity (as $CaCO_3$)	µg/L	-	-	-	-	6900	33,500	7300	18,300	10,400
Chloride (Cl)	µg/L	120,000	120,000	120,000	-	5940	<500	3540	<500	5050
Fluoride (F)	µg/L	120	120	120	3000 [5]	**333**	31	108	76	119
Sulphate (SO_4)	µg/L	-	100,000	100,000	1,000,000	72,700	37,500	99,400	**104,000**	**138,000**
Carbon										
Dissolved Organic Carbon (DOC)	µg/L	-	-		-	27,800	4970	11,900	3490	14,100
Nutrients										
Ammonia (as N)	µg/L	256-23,100 [4]	170-30,100 [4]	170-30,100 [4]	3700-18,400 [6]	171	40.7	128	54.9	67.4
Total Kjeldahl Nitrogen (TKN)	µg/L	-	-	-	-	5500	322	2600	595	1060
Nitrate (as N)	µg/L	2900	13,000	13,000	400,000	98.2	658	115	1540	175
Nitrite (as N)	µg/L	60	60	60	200-1000 [7]	3.2	6.0	4.0	7.9	4.1
Orthophosphate (as P)	µg/L	-	-	-	-	4.9	1.9	1.7	<1.0	1.9
Phosphorus	µg/L	4 [8]	-	-	-	54.2	314	239	184	4.3
Dissolved Metals										
Aluminum	µg/L	100 [6]	50 [6]	50 [6]	-	**3050**	13.5	**309**	10.5	**57.9**
Antimony	µg/L	-	2000	2000	200	17.3	<0.50	<0.50	<0.50	<0.50
Arsenic	µg/L	5	5	5	50	1.91	0.80	2.27	1.01	0.85
Barium	µg/L	-	500	500	10,000	422	331	69	102	72
Beryllium	µg/L	-	5.3	5.3	53	<1.0	<1.0	<1.0	<1.0	<1.0
Boron	µg/L	1500	5000	5000	50,000	<100	<100	<100	<100	<100
Cadmium	µg/L	0.09	0.017	0.017	0.3-0.6 [5]	**3.96**	**4.42**	**0.803**	**0.134**	**0.241**
Calcium	µg/L	-	-	-	-	56,000	29,000	43,400	103,000	71,200
Chromium	µg/L	-	8.9	8.9	-	<1.0	<1.0	<1.0	<1.0	<1.0
Cobalt	µg/L	-	-	-	9	1.04	4.15	5.60	1.89	4.49
Copper	µg/L	2-4 [5]	2	2	30-90 [5]	**6.0**	**2.9**	**6.4**	<1.0	**3.6**
Iron	µg/L	300	300	300	-	**544**	<30	**388**	217	54
Lead	µg/L	1.7-7.0 [5]	1-2 [5]	1-2 [5]	50-160 [5]	**7.24**	<0.50	1.94	<0.50	<0.50
Lithium	µg/L	-	-	-	-	11.2	1.7	6.3	3.6	2.5
Magnesium	µg/L	-	-	-	-	10,700	5740	9200	16,800	14,400
Manganese	µg/L	-	-	-	-	229	819	658	431	587
Mercury	µg/L	0.026	0.016	0.016	1	<0.0050	<0.0050	0.0057	<0.0050	0.0056
Molybdenum	µg/L	73	73	73	10,000	15.2	<1.0	2.7	1.9	3.3
Nickel	µg/L	66-150 [5]	34-83 [5]	34-83 [5]	650-1500 [5]	3.2	4.5	20.4	4.1	14.8
Potassium	µg/L	-	-	-	-	4100	<2000	<2000	<2000	2400
Selenium	µg/L	1	1	1	10	**1.13**	0.051	0.232	0.056	0.345
Silver	µg/L	0.1	0.1	0.1	0.5, 15 [5]	**0.109**	0.020	0.029	<0.020	<0.020
Sodium	µg/L	-	-	-	-	10,500	10,200	8100	6100	8600
Thallium	µg/L	0.8	0.8	0.8	3	<0.20	<0.20	<0.20	<0.20	<0.20
Tin	µg/L	-	-	-	-	<0.50	<0.50	0.69	<0.50	0.51
Titanium	µg/L	-	100	100	1000	29	<10	<10	<10	<10
Uranium	µg/L	15	15	15	3000	9.57	<0.20	0.36	8.72	1.43
Vanadium	µg/L	-	-	-	-	6.93	<0.50	0.52	<0.50	<0.50
Zinc	µg/L	30	10	10	75-2400 [5]	7.6	**144**	**29.5**	**13.6**	**43.8**
Total Metals										
Aluminum	µg/L	100 [6]	50 [6]	50 [6]	-	7740	3990	1780	2130	622
Antimony	µg/L	-	2000	2000	200	14.3	1.06	0.81	0.90	<0.50
Arsenic	µg/L	5	5	5	50	3.85	43.3	30.1	10.6	2.49
Barium	µg/L	-	500	500	10,000	819	434	130	189	87
Beryllium	µg/L	-	5.3	5.3	53	<1.0	<1.0	<1.0	<1.0	<1.0
Boron	µg/L	1500	5000	5000	50,000	<100	<100	<100	<100	<100
Cadmium	µg/L	0.09	0.017	0.017	0.3-0.6 [5]	8.24	5.32	1.87	0.238	0.239
Calcium	µg/L	-	-	-	-	64,000	30,200	44,100	103,000	68,200
Chromium	µg/L	-	8.9	8.9	-	2.8	3.5	6.3	1.9	<1.0
Cobalt	µg/L	-	-	-	9	2.75	5.37	8.36	2.83	4.70
Copper	µg/L	2-4 [5]	2	2	30-90 [5]	39.2	21.9	29.6	9.1	5.3
Iron	µg/L	300	300	300	-	3890	6350	6420	5770	711
Lead	µg/L	1.7-7.0 [5]	1-2 [5]	1-2 [5]	50-160 [5]	40.6	48.2	36.4	11.7	3.30
Lithium	µg/L	-	-	-	-	11.6	3.6	6.8	4.9	2.7
Magnesium	µg/L	-	-	-	-	13,800	6660	9340	17,100	14,200
Manganese	µg/L	-	-	-	-	286	861	836	539	569
Mercury	µg/L	0.026	0.016	0.016	1	<0.025	0.038	0.039	<0.025	<0.025
Molybdenum	µg/L	73	73	73	10,000	14.8	<1.0	3.2	1.9	3.6
Nickel	µg/L	66-150 [5]	34-83 [5]	34-83 [5]	650-1500 [5]	5.3	6.1	30.5	5.0	15.4
Potassium	µg/L	-	-	-	-	7700	<2000	2000	2700	2500
Selenium	µg/L	1	1	1	10	1.66	0.087	0.276	0.089	0.357
Silver	µg/L	0.1	0.1	0.1	0.5, 15 [5]	1.12	1.12	0.961	1.60	0.107
Sodium	µg/L	-	-	-	-	12,200	10,400	7900	6300	8400
Thallium	µg/L	0.8	0.8	0.8	3	0.21	<0.20	<0.20	<0.20	<0.20
Tin	µg/L	-	-	-	-	1.11	<0.50	1.61	<0.50	1.05
Titanium	µg/L	-	100	100	1000	82	105	24	36	14
Uranium	µg/L	15	15	15	3000	10.0	1.21	1.01	8.96	1.71
Vanadium	µg/L	-	-	-	-	17.7	8.68	7.82	4.36	1.02
Zinc	µg/L	30	10	10	75-2400 [5]	30.8	307	171	49.1	46.4
Ion Balance	%					-5.4	0.8	-0.5	-3.5	1.7
Water Type						Ca-HCO3-SO4	Ca-HCO3-SO4	Ca-Mg-SO4-HCO3	Ca-HCO3-SO4	Ca-Mg-SO4-HCO3
Laboratory Identification Number						L1662569-1	L1662569-2	L1662569-3	L1662569-4	L1662569-5

Notes:

[1] Canadian Council of Ministers of the Environment (CCME) (Updated 2014). Canadian Water Quality Guidelines for the Protection of freshwater Aquatic Life (AW)

[2] Environment Canada (Revised March 2014). Guidance Document on Federal Interim Groundwater Quality Guidelines for Federal Contaminated Sites, for fine and coarse grained soil under Commercial/Industrial land use

[3] Environment Act. Contaminated Sites Regulation (CSR) (2002). Schedule 3, Generic Numerical Water Standards for freshwater Aquatic Life (AW)

[4] Guideline varies with pH and temperature. Values shown based on site pH range of 6.81 to 8.05

[5] Guideline varies with hardness. Values shown based on site hardness range of 61.6 mg/L to 327 mg/L

[6] Guideline varies with pH. Value shown based on site pH range of 6.81 to 8.05

[7] Guideline varies with chloride. Values shown based on site chloride range of 0.5 mg/L to 9.79 mg/L

[8] Guideline applied is for the most conservative ultra-oligotrophic

[9] Not compensated for temperature

"-" No applicable standard or guideline

Shaded - Greater than CCME AW Guideline

BOLD - Greater than Federal Interim Guideline

Red text - Greater than CSR AW Standard

Table 5: Groundwater Analytical Results

Parameter	Unit	CCME - AW[1]	Federal Interim Guideline[2]		CSR - AW[3]	MW15-04		MW15-05		
			Fine	Coarse		MW15-04 (s)	MW15-04 (d)	MW15-05 (s)	MW15-05 (d)	QA01
						22-Aug-2015	22-Aug-2015	23-Aug-2015	23-Aug-2015	23-Aug-2015
Field Parameters										
Temperature	°C	-	-	-	-	0.8	-	1.6	3.1	3.1
pH	pH Units	6.5-9.0	6.5-9	6.5-9	-	7.7	7.8	7.8	7.7	7.7
Electrical Conductivity (EC)	µS/cm	-	-	-	-	360	413	196	250	250
Dissolved oxygen	mg/L	-	-	-	-	4.9	-	4.3	2.6	2.6
Physical Parameters										
pH	pH Units	6.5-9.0	6.5-9	6.5-9	-	7.95	8.02	7.91	8.01	8.05
Electrical Conductivity (EC)	µS/cm	-	-	-	-	346	418	341	423	425
Total Dissolved Solids (TDS)	µg/L	-	-	-	-	236,000	263,000	247,000	251,000	258,000
Hardness as $CaCO_3$	µg/L	-	-	-	-	155,000	146,000	61,600	238,000	235,000
Alkalinity (total as $CaCO_3$)	µg/L	-	-	-	-	160,000	128,000	125,000	197,000	211,000
Acidity (as $CaCO_3$)	µg/L	-	-	-	-	5400	3700	4800	5000	4700
Chloride (Cl)	µg/L	120,000	120,000	120,000	-	1450	9790	3860	650	660
Fluoride (F)	µg/L	120	120	120	3000[5]	100	**246**	**201**	110	102
Sulphate (SO_4)	µg/L	-	100,000	100,000	1,000,000	28,700	78,800	54,100	40,500	40,500
Carbon										
Dissolved Organic Carbon (DOC)	µg/L	-	-		-	8590	7210	9170	2900	2910
Nutrients										
Ammonia (as N)	µg/L	256-23,100[4]	170-30,100[4]	170-30,100[4]	3700-18,400[6]	32.5	40.0	133	21.1	20.1
Total Kjeldahl Nitrogen (TKN)	µg/L	-	-	-	-	2610	<50	3600	380	640
Nitrate (as N)	µg/L	2900	13,000	13,000	400,000	361	105	437	17.4	16.2
Nitrite (as N)	µg/L	60	60	60	200-1000[7]	6.7	12.4	6.7	<1.0	<1.0
Orthophosphate (as P)	µg/L	-	-	-	-	1.3	<1.0	2.1	<1.0	<1.0
Phosphorus	µg/L	4[8]	-	-	-	8.2	13.1	540	15.5	13.4
Dissolved Metals										
Aluminum	µg/L	100[6]	50[6]	50[6]	-	**54.2**	**160**	**363**	29.8	**62.0**
Antimony	µg/L	-	2000	2000	200	<0.50	0.51	0.65	0.62	0.63
Arsenic	µg/L	5	5	5	50	<0.50	1.93	1.8	<0.50	<0.50
Barium	µg/L	-	500	500	10,000	130	51	123	78	81
Beryllium	µg/L	-	5.3	5.3	53	<1.0	<1.0	<1.0	<1.0	<1.0
Boron	µg/L	1500	5000	5000	50,000	<100	<100	<100	<100	<100
Cadmium	µg/L	0.09	0.017	0.017	0.3-0.6[5]	**0.0295**	**0.0475**	**0.155**	**0.131**	**0.137**
Calcium	µg/L	-	-	-	-	46,000	37,300	20,100	64,700	63,900
Chromium	µg/L	-	8.9	8.9	-	<1.0	<1.0	<1.0	<1.0	<1.0
Cobalt	µg/L	-	-	-	9	0.80	1.51	0.87	1.04	0.96
Copper	µg/L	2-4[5]	2	2	30-90[5]	1.7	1.4	**2.7**	<1.0	<1.0
Iron	µg/L	300	300	300	-	<30	37	**413**	<30	31
Lead	µg/L	1.7-7.0[5]	1-2[5]	1-2[5]	50-160[5]	<0.50	<0.50	**13.1**	<0.50	0.82
Lithium	µg/L	-	-	-	-	9.9	9.1	7.1	5.8	6.3
Magnesium	µg/L	-	-	-	-	9710	12,800	2780	18,600	18,400
Manganese	µg/L	-	-	-	-	140	175	244	148	135
Mercury	µg/L	0.026	0.016	0.016	1	<0.025	<0.025	0.0086	0.0083	<0.0050
Molybdenum	µg/L	73	73	73	10,000	8.0	6.3	10.3	2.2	2.3
Nickel	µg/L	66-150[5]	34-83[5]	34-83[5]	650-1500[5]	2.6	5.0	2.6	2.5	2.2
Potassium	µg/L	-	-	-	-	2100	2000	<2000	<2000	<2000
Selenium	µg/L	1	1	1	10	0.078	0.253	0.33	<0.050	0.054
Silver	µg/L	0.1	0.1	0.1	0.5, 15[5]	<0.020	<0.020	0.033	<0.020	<0.020
Sodium	µg/L	-	-	-	-	15,500	34,800	57,700	3600	3500
Thallium	µg/L	0.8	0.8	0.8	3	<0.20	<0.20	<0.20	<0.20	<0.20
Tin	µg/L	-	-	-	-	<0.50	<0.50	<0.50	<0.50	<0.50
Titanium	µg/L	-	100	100	1000	<10	<10	<10	<10	<10
Uranium	µg/L	15	15	15	3000	4.45	6.58	2.61	8.03	8.77
Vanadium	µg/L	-	-	-	-	<0.50	<0.50	<0.50	<0.50	<0.50
Zinc	µg/L	30	10	10	75-2400[5]	5.2	5.7	9.9	9.1	9.7
Total Metals										
Aluminum	µg/L	100[6]	50[6]	50[6]	-	418	346	17,000	543	552
Antimony	µg/L	-	2000	2000	200	<0.50	0.51	1.02	0.70	0.72
Arsenic	µg/L	5	5	5	50	0.76	2.19	47.7	1.68	1.85
Barium	µg/L	-	500	500	10,000	160	60	875	95	96
Beryllium	µg/L	-	5.3	5.3	53	<1.0	<1.0	2.1	<1.0	<1.0
Boron	µg/L	1500	5000	5000	50,000	<100	<100	<100	<100	<100
Cadmium	µg/L	0.09	0.017	0.017	0.3-0.6[5]	0.0373	0.0555	6.58	0.233	0.250
Calcium	µg/L	-	-	-	-	48,100	36,000	36,200	63,200	63,800
Chromium	µg/L	-	8.9	8.9	-	<1.0	<1.0	6.5	<1.0	<1.0
Cobalt	µg/L	-	-	-	9	1.00	1.65	7.19	1.37	1.42
Copper	µg/L	2-4[5]	2	2	30-90[5]	2.5	1.9	29.1	1.8	2.0
Iron	µg/L	300	300	300	-	372	219	18,900	774	808
Lead	µg/L	1.7-7.0[5]	1-2[5]	1-2[5]	50-160[5]	0.79	0.64	499	11.8	11.7
Lithium	µg/L	-	-	-	-	9.9	8.7	16.9	6.4	6.3
Magnesium	µg/L	-	-	-	-	10,700	12,300	7520	18,400	18,600
Manganese	µg/L	-	-	-	-	162	177	1090	164	178
Mercury	µg/L	0.026	0.016	0.016	1	<0.025	<0.025	0.097	<0.025	<0.025
Molybdenum	µg/L	73	73	73	10,000	8.2	6.4	7.5	2.6	2.5
Nickel	µg/L	66-150[5]	34-83[5]	34-83[5]	650-1500[5]	2.8	5.0	8.5	3.1	3.5
Potassium	µg/L	-	-	-	-	2400	2100	4000	2100	2200
Selenium	µg/L	1	1	1	10	0.116	0.323	0.396	0.065	0.072
Silver	µg/L	0.1	0.1	0.1	0.5, 15[5]	0.079	0.042	3.17	0.086	0.073
Sodium	µg/L	-	-	-	-	18,600	36,800	58,700	3800	3800
Thallium	µg/L	0.8	0.8	0.8	3	<0.20	<0.20	0.28	<0.20	<0.20
Tin	µg/L	-	-	-	-	<0.50	0.67	0.74	0.80	0.79
Titanium	µg/L	-	100	100	1000	<10	<10	44	<10	<10
Uranium	µg/L	15	15	15	3000	4.66	6.53	9.76	8.74	8.28
Vanadium	µg/L	-	-	-	-	0.63	0.52	12.7	0.94	1.00
Zinc	µg/L	30	10	10	75-2400[5]	5.7	8.1	813	24.9	26.7
Ion Balance	%					-0.2	2.7	0.4	1.4	1.4
Water Type						Ca-Mg-HCO3	Ca-Na-Mg-HCO3-SO4	Na-Ca-HCO3-SO4	Ca-Mg-HCO3	Ca-Mg-HCO3
Laboratory Identification Number						L1662569-6	L1662569-7	L1662569-8	L1662569-9	L1662569-10

Notes:

[1] Canadian Council of Ministers of the Environment (CCME) (Updated 2014). Canadian Water Quality Guidelines for the Protection of freshwater Aquatic Life (AW)

[2] Environment Canada (Revised March 2014). Guidance Document on Federal Interim Groundwater Quality Guidelines for Federal Contaminated Sites, for fine and coarse grained soil under Commercial/Industrial land use

[3] Environment Act. Contaminated Sites Regulation (CSR) (2002). Schedule 3, Generic Numerical Water Standards for freshwater Aquatic Life (AW)

[4] Guideline varies with pH and temperature. Values shown based on site pH range of 6.81 to 8.05

[5] Guideline varies with hardness. Values shown based on site hardness range of 61.6 mg/L to 327 mg/L

[6] Guideline varies with pH. Value shown based on site pH range of 6.81 to 8.05

[7] Guideline varies with chloride. Values shown based on site chloride range of 0.5 mg/L to 9.79 mg/L

[8] Guideline applied is for the most conservative ultra-oligotrophic

[9] Not compensated for temperature

"-" No applicable standard or guideline

Shaded - Greater than CCME AW Guideline

BOLD - Greater than Federal Interim Guideline

Red text - Greater than CSR AW Standard

Table 6: Groundwater Quality Assurance/Quality Control Analytical Results

Parameter	Unit	RDL	MW15-05 (d)	QA01	RPD (%)
			23-Aug-2015		
Physical Parameters					
pH	pH Units	0.1	8.01	8.05	0.5
Electrical Conductivity (EC)	µS/cm	2	423	425	0.5
Total Dissolved Solids (TDS)	µg/L	20000	251,000	258,000	3
Hardness as $CaCO_3$	µg/L	500	238,000	235,000	1
Alkalinity (total as $CaCO_3$)	µg/L	1000	197,000	211,000	7
Acidity (as $CaCO_3$)	µg/L	1000	5000	4700	-
Chloride (Cl)	µg/L	500	650	660	-
Fluoride (F)	µg/L	20	110	102	8
Sulphate (SO_4)	µg/L	300	40,500	40,500	0
Carbon					
Dissolved Organic Carbon (DOC)	µg/L	500	2900	2910	0.3
Nutrients					
Ammonia (as N)	µg/L	5	21.1	20.1	-
Total Kjeldahl Nitrogen (TKN)	µg/L	50	380	640	**51**
Nitrate (as N)	µg/L	5	17.4	16.2	-
Nitrite (as N)	µg/L	1	<1.0	<1.0	-
Orthophosphate (as P)	µg/L	1	<1.0	<1.0	-
Phosphorus	µg/L	2	15.5	13.4	15
Dissolved Metals					
Aluminum	µg/L	5	29.8	62.0	**70**
Antimony	µg/L	0.5	0.62	0.63	-
Arsenic	µg/L	0.5	<0.50	<0.50	-
Barium	µg/L	20	78	81	-
Beryllium	µg/L	1	<1.0	<1.0	-
Boron	µg/L	100	<100	<100	-
Cadmium	µg/L	0.005	0.131	0.137	4
Calcium	µg/L	100	64,700	63,900	1
Chromium	µg/L	1	<1.0	<1.0	-
Cobalt	µg/L	0.3	1.04	0.96	-
Copper	µg/L	1	<1.0	<1.0	-
Iron	µg/L	30	<30	31	-
Lead	µg/L	0.5	<0.50	0.82	-
Lithium	µg/L	1	5.8	6.3	8
Magnesium	µg/L	100	18,600	18,400	1
Manganese	µg/L	0.1	148	135	9
Mercury	µg/L	0.005	0.0083	<0.0050	-
Molybdenum	µg/L	1	2.2	2.3	-
Nickel	µg/L	1	2.5	2.2	-
Potassium	µg/L	2000	<2000	<2000	-
Selenium	µg/L	0.05	<0.050	0.054	-
Silver	µg/L	0.02	<0.020	<0.020	-
Sodium	µg/L	2000	3600	3500	-
Thallium	µg/L	0.2	<0.20	<0.20	-
Tin	µg/L	0.5	<0.50	<0.50	-
Titanium	µg/L	10	<10	<10	-
Uranium	µg/L	0.2	8.03	8.77	9
Vanadium	µg/L	0.5	<0.50	<0.50	-
Zinc	µg/L	5	9.1	9.7	-
Total Metals					
Aluminum	µg/L	5	543	552	2
Antimony	µg/L	0.5	0.70	0.72	-
Arsenic	µg/L	0.5	1.68	1.85	-
Barium	µg/L	20	95	96	-
Beryllium	µg/L	1	<1.0	<1.0	-
Boron	µg/L	100	<100	<100	-
Cadmium	µg/L	0.005	0.233	0.250	7
Calcium	µg/L	100	63,200	63,800	1
Chromium	µg/L	1	<1.0	<1.0	-
Cobalt	µg/L	0.3	1.37	1.42	-
Copper	µg/L	1	1.8	2.0	-
Iron	µg/L	30	774	808	4
Lead	µg/L	0.5	11.8	11.7	1
Lithium	µg/L	1	6.4	6.3	2
Magnesium	µg/L	100	18,400	18,600	1
Manganese	µg/L	0.3	164	178	8
Mercury	µg/L	0.025	<0.025	<0.025	-
Molybdenum	µg/L	1	2.6	2.5	-
Nickel	µg/L	1	3.1	3.5	-
Potassium	µg/L	2000	2100	2200	-
Selenium	µg/L	0.05	0.065	0.072	-
Silver	µg/L	0.02	0.086	0.073	-
Sodium	µg/L	2000	3800	3800	-
Thallium	µg/L	0.2	<0.20	<0.20	-
Tin	µg/L	0.5	0.80	0.79	-
Titanium	µg/L	10	<10	<10	-
Uranium	µg/L	0.2	8.74	8.28	5
Vanadium	µg/L	0.5	0.94	1.00	-
Zinc	µg/L	5	24.9	26.7	-
Laboratory Identification Number			L1662569-9	L1662569-10	

Notes:

RDL - Reportable detection limit

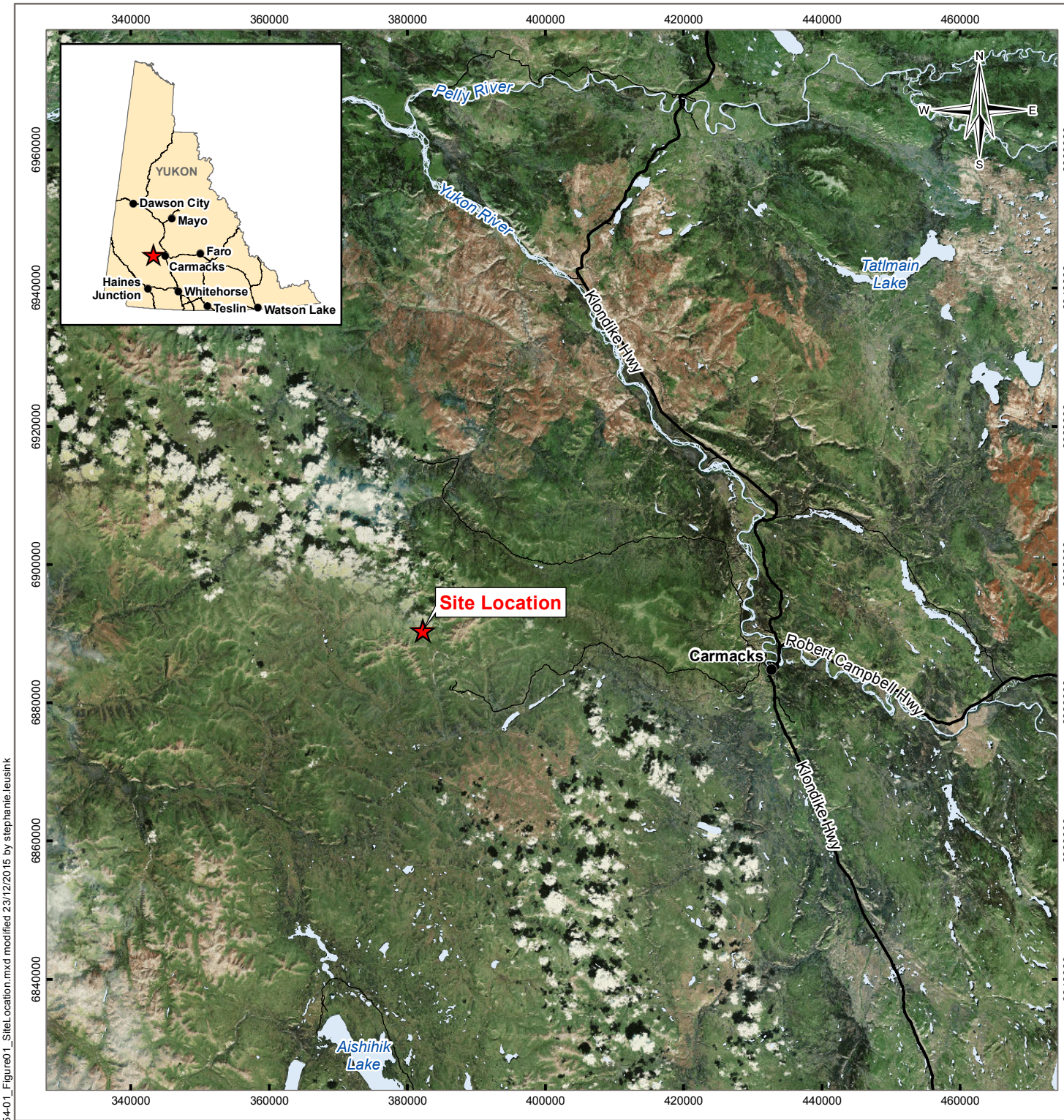
RPD - Relative percent difference calculated as (abs(C1-C2)/average(C1+C2))*100

"-" Indicates RPD not calculated. RPD cannot be calculated if one or more of the analytical results are less than detection limits or within 5 times the detection limits.

BOLD - RPD value greater than 20%

FIGURES

Figure 1 Site Location Plan
Figure 2 Site Plan
Figure 3 Preliminary Groundwater Contours (August 2015)
Figure 4 Packer Test Diagnostic Plots VWP15-01
Figure 5 Packer Test Diagnostic Plots VWP15-02
Figure 6 Packer Test Diagnostic Plots VWP15-03
Figure 7 Packer Test Diagnostic Plots VWP15-04
Figure 8 Inferred Hydraulic Conductivities, Recovery and RQD



LEGEND

- Site Location
- Populated Place
- Major Road
- Resource Road
- Waterbody

NOTES
Base data source: Yukon Geomatics.
Imagery from ESRI Basemap Imagery Service.

STATUS
ISSUED FOR USE

PRELIMINARY HYDROGEOLOGICAL ASSESSMENT KLAZA PROPERTY

Site Location Plan

PROJECTION	DATUM	CLIENT
UTM Zone 8	NAD83	Rockhaven Resources Ltd.

Scale: 1:800,000
10 5 0 10
Kilometres

FILE NO. MIN03054-01_Figure01_SiteLocation.mxd

PROJECT NO.	DWN	CKD	APVD	REV
ENVMIN03054-01	SL	MEZ	SK	0

OFFICE Tt EBA-VANC
DATE December 23, 2015

TETRA TECH EBA

Figure 1

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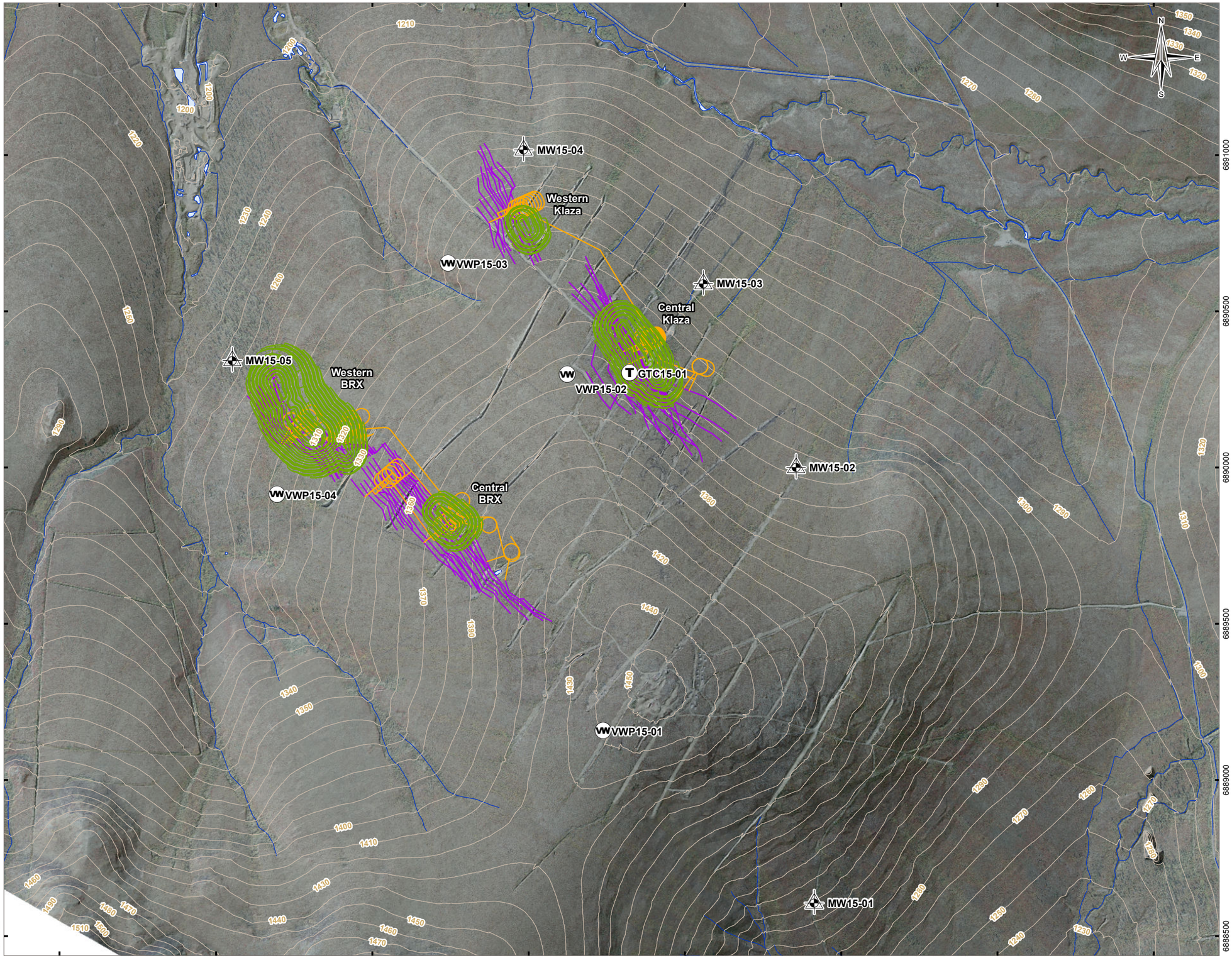

LEGEND

- Monitoring Well
- Ground Temperature Cable
- Vibrating Wire Piezometer
- Conceptual Pit Outlines
- Conceptual Underground Access
- Conceptual Underground Ore Drives
- Contour (10 m)
- Watercourse
- Waterbody

NOTES
Base data source:
Data and imagery provided by Archer, Cathro & Associates (1981) Ltd.

STATUS
ISSUED FOR USE

PRELIMINARY HYDROGEOLOGICAL ASSESSMENT KLAZA PROPERTY

Site Plan

PROJECTION	DATUM	CLIENT
UTM Zone 8	NAD83	Rockhaven Resources Ltd.

Scale: 1:12,000
200 100 0 200
Metres

TETRA TECH EBA

FILE NO.				
MIN03054-01_Figure02_SitePlan.mxd				
PROJECT NO.	**DWN**	**CKD**	**APVD**	**REV**
ENVMIN03054-01	SL	MEZ	SK	0
OFFICE	**DATE**			
Tt EBA-VANC	December 23, 2015			

Figure 2

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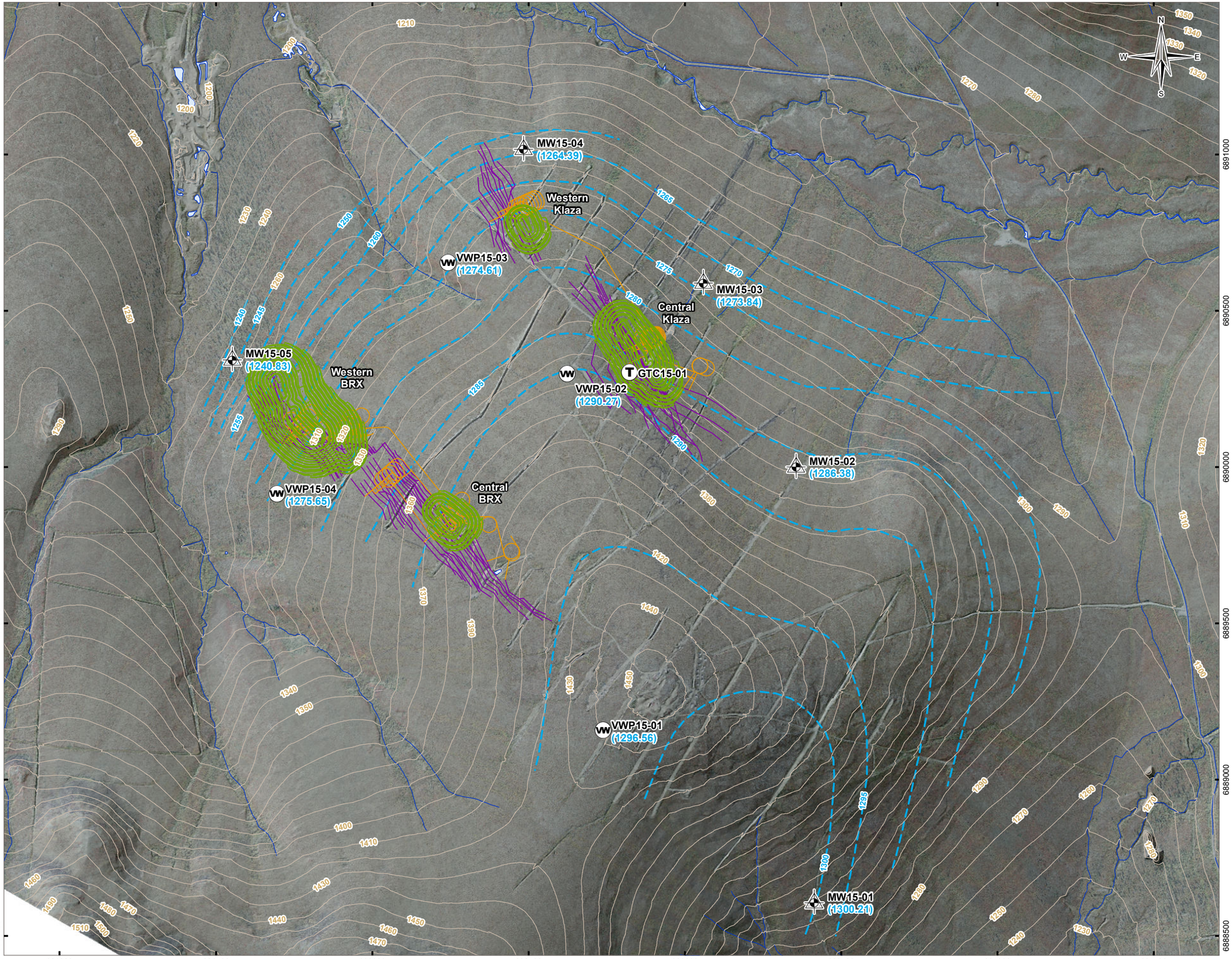

LEGEND

- Monitoring Well
- Ground Temperature Cable
- Vibrating Wire Piezometer
- Conceptual Pit Outlines
- Conceptual Underground Access
- Conceptual Underground Ore Drives
- (##.##) Observed Piezometric Elevation (m asl)
- Inferred Piezometric Elevation Contour (m asl)
- Contour (10 m)
- Watercourse
- Waterbody

NOTES
Base data source:
Data and imagery provided by Archer, Cathro & Associates (1981) Ltd.

STATUS
ISSUED FOR USE

PRELIMINARY HYDROGEOLOGICAL ASSESSMENT KLAZA PROPERTY

Preliminary Groundwater Contours (August 2015)

PROJECTION UTM Zone 8	**DATUM** NAD83	**CLIENT** Rockhaven Resources Ltd.	
Scale: 1:12,000 (200 100 0 200 Metres)		TETRA TECH EBA	
FILE NO. MIN03054-01_Figure03_GWContours.mxd			
PROJECT NO. ENVMIN03054-01	**DWN** SL / **CKD** MEZ / **APVD** SK / **REV** 0		**Figure 3**
OFFICE Tt EBA-VANC	**DATE** December 23, 2015		

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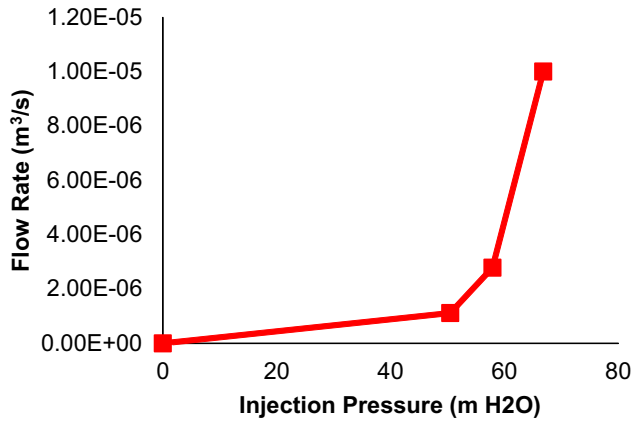
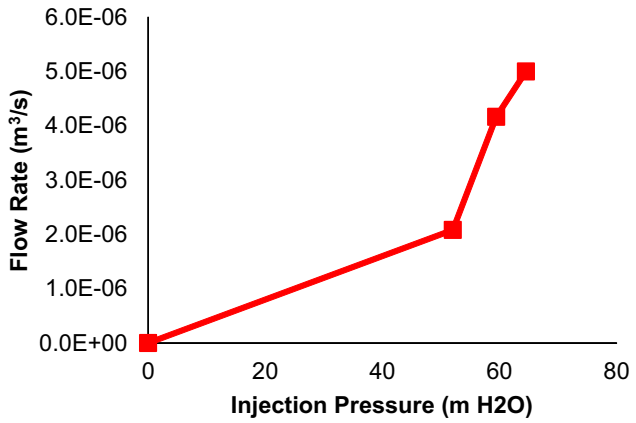
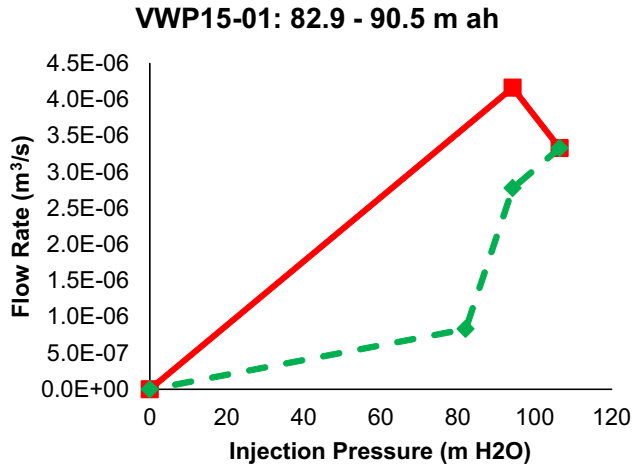
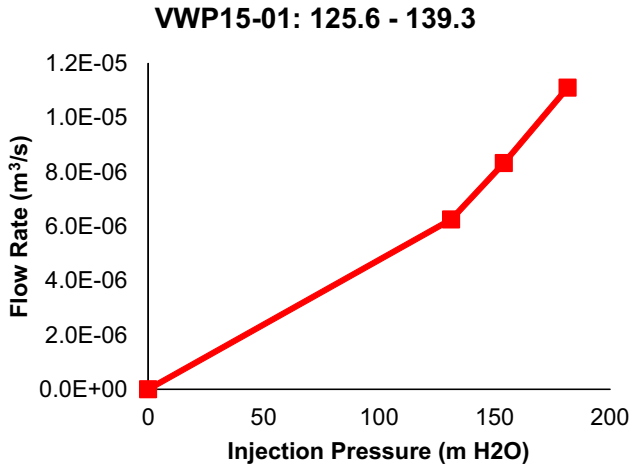
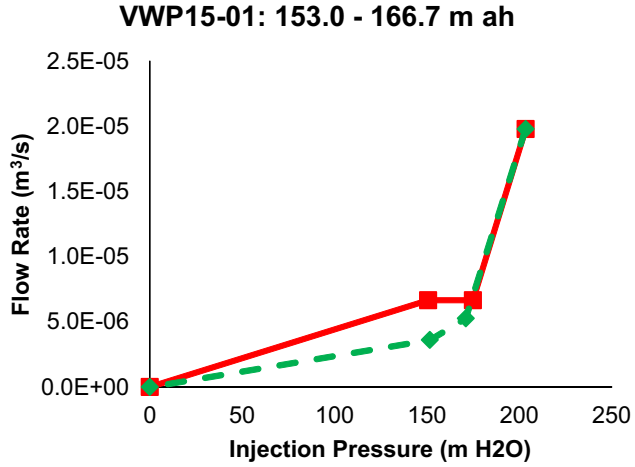
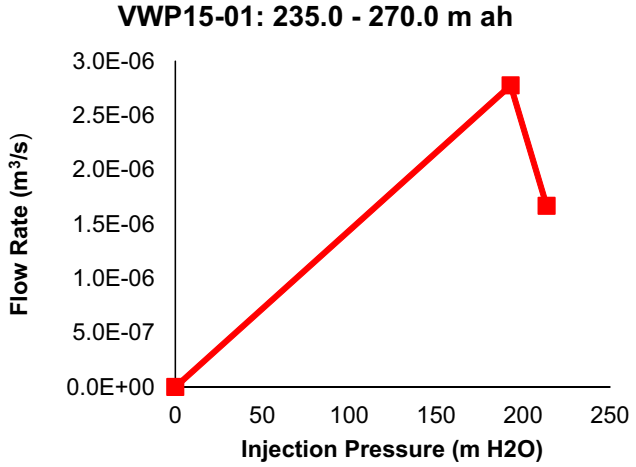












LEGEND

Ascending Pressure

Reducing Pressure

NOTES

STATUS
ISSUED FOR USE

CLIENT
Rock Haven Resources Ltd.

TETRA TECH EBA

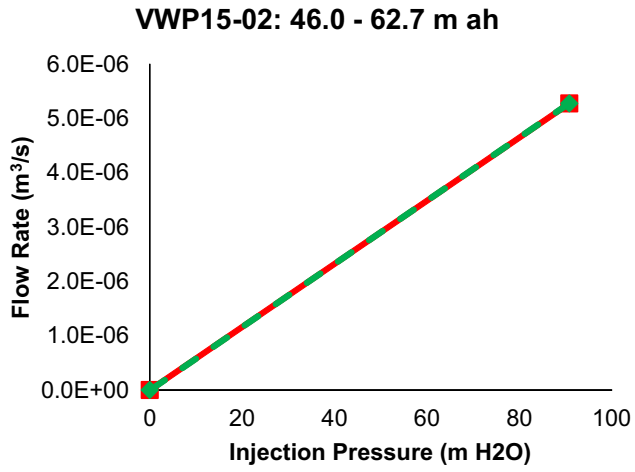
Klaza Hydrogeological Assessment

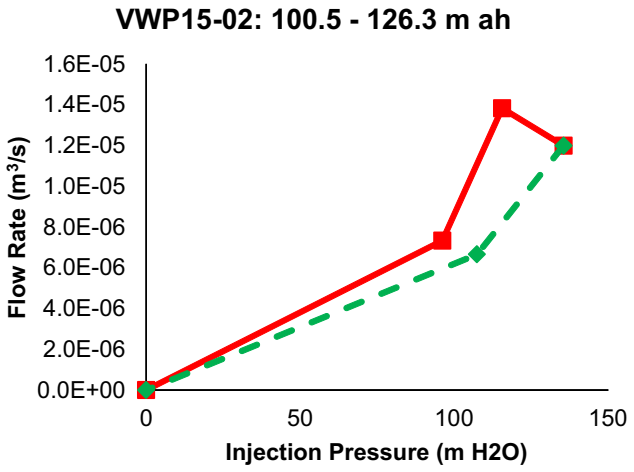
Packer Test Diagnostic Plots VWP15-01

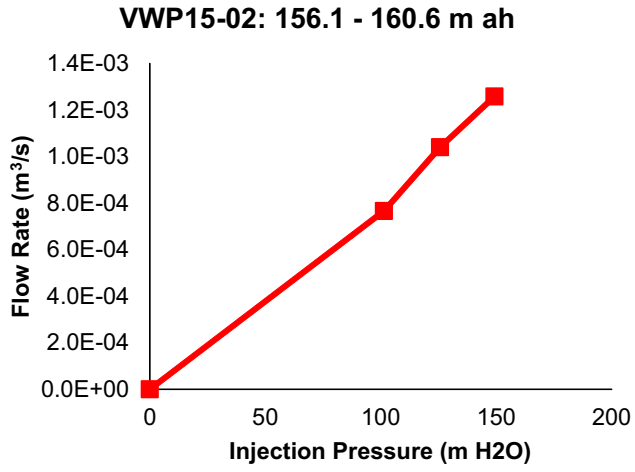
PROJECT NO.	DWN	CKD	APVD	REV
ENVMIN03054-01	KRR	SK	SK	0

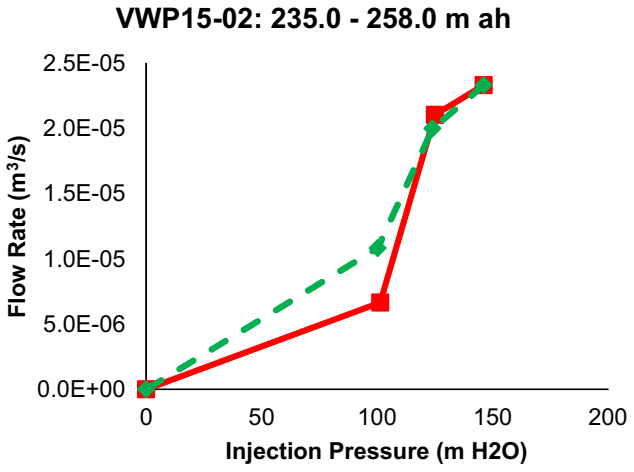
OFFICE	DATE
EBA-WHSE	December 23, 2015

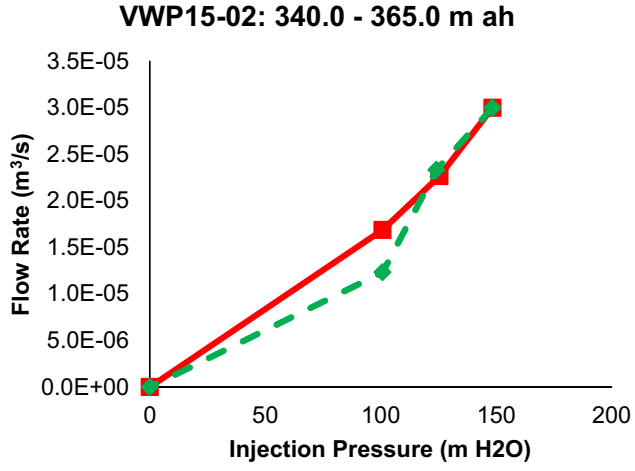
Figure 4











LEGEND

Ascending Pressure

Reducing Pressure

NOTES

STATUS
ISSUED FOR USE

CLIENT
Rock Haven Resources Ltd.

TETRA TECH EBA

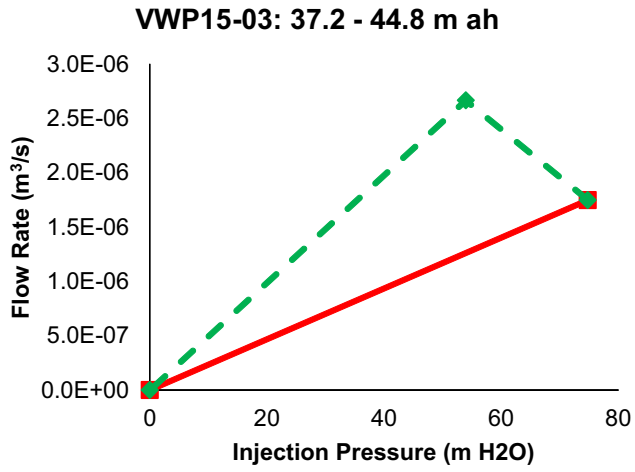
Klaza Hydrogeological Assessment

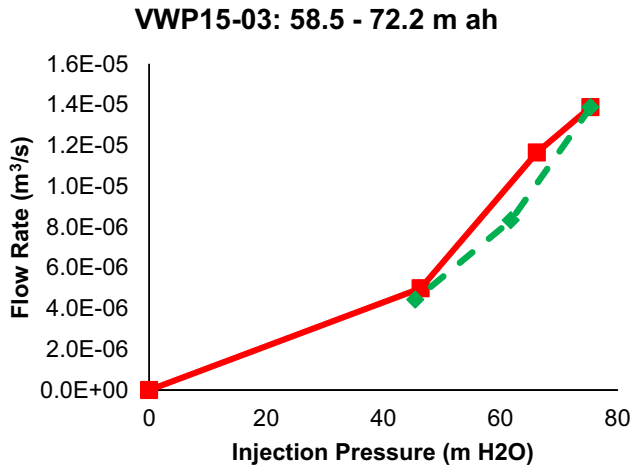
Packer Test Diagnostic Plots VWP15-02

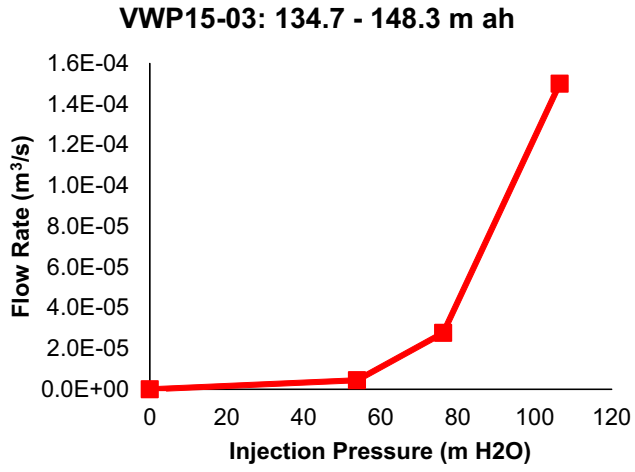
PROJECT NO.	DWN	CKD	APVD	REV
ENVMIN03054-01	KRR	SK	SK	0

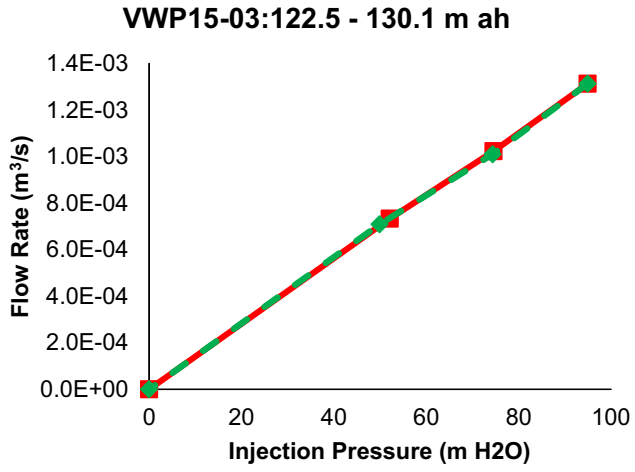
OFFICE	DATE
EBA-WHSE	December 23, 2015

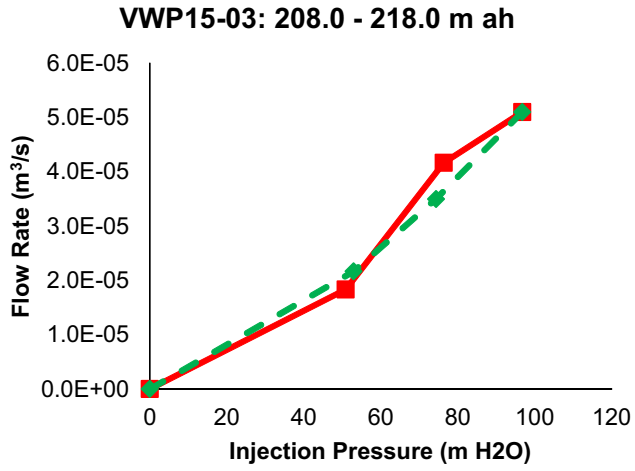
Figure 5

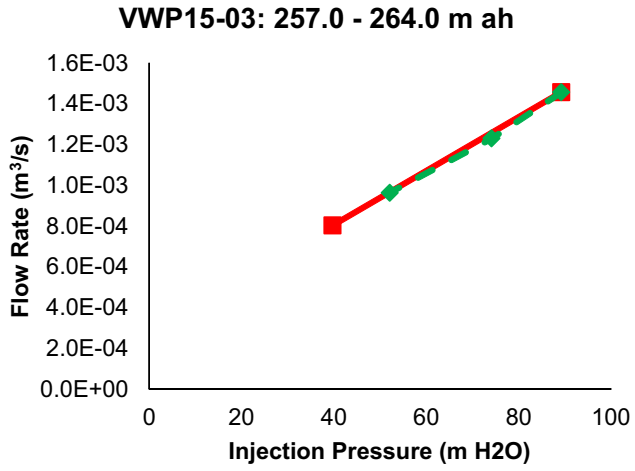












LEGEND

Ascending Pressure

Reducing Pressure

NOTES

STATUS
ISSUED FOR USE

CLIENT
Rock Haven Resources Ltd.

TETRA TECH EBA

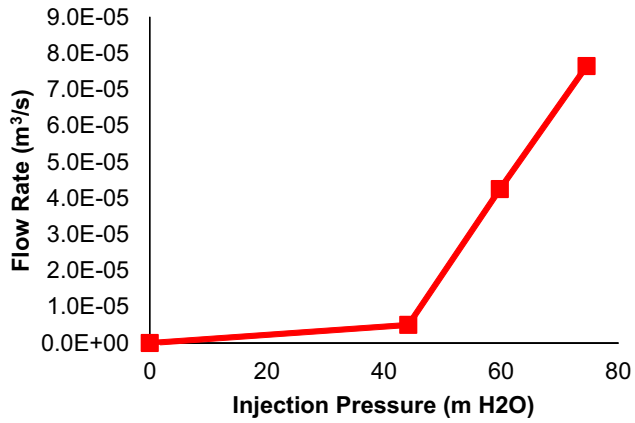
Klaza Hydrogeological Assessment

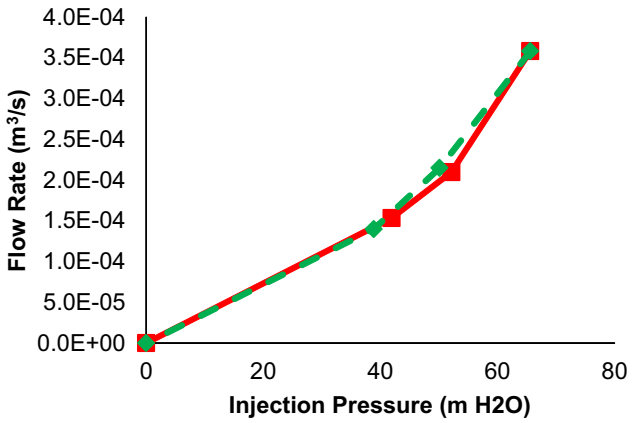
Packer Test Diagnostic Plots VWP15-03

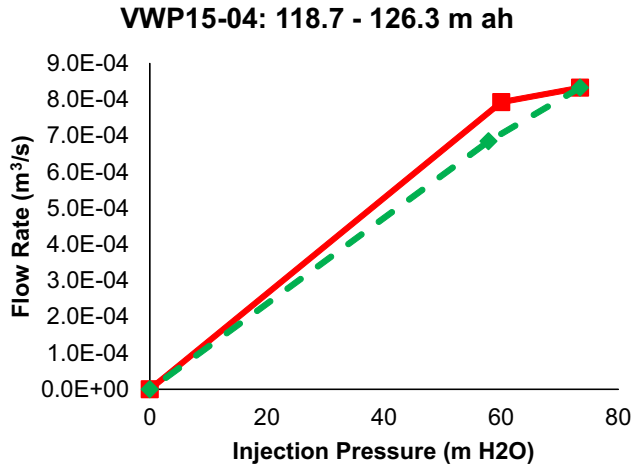
PROJECT NO.	DWN	CKD	APVD	REV
ENVMIN03054-01	KRR	SK	SK	0

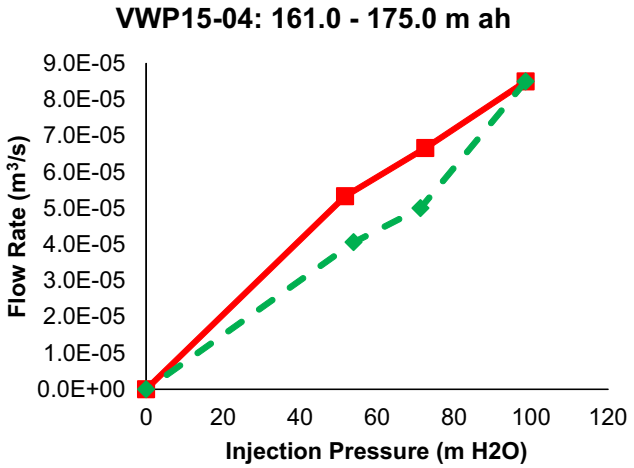
OFFICE	DATE
EBA-WHSE	December 23, 2015

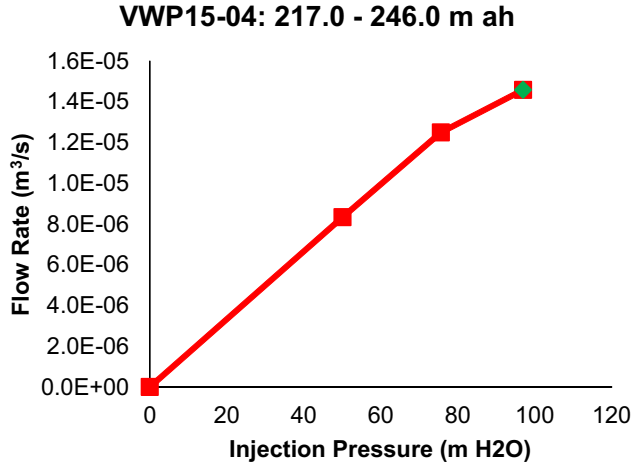
Figure 6











LEGEND

Ascending Pressure

Reducing Pressure

NOTES

STATUS
ISSUED FOR USE

CLIENT
Rock Haven Resources Ltd.

TETRA TECH EBA

Klaza Hydrogeological Assessment

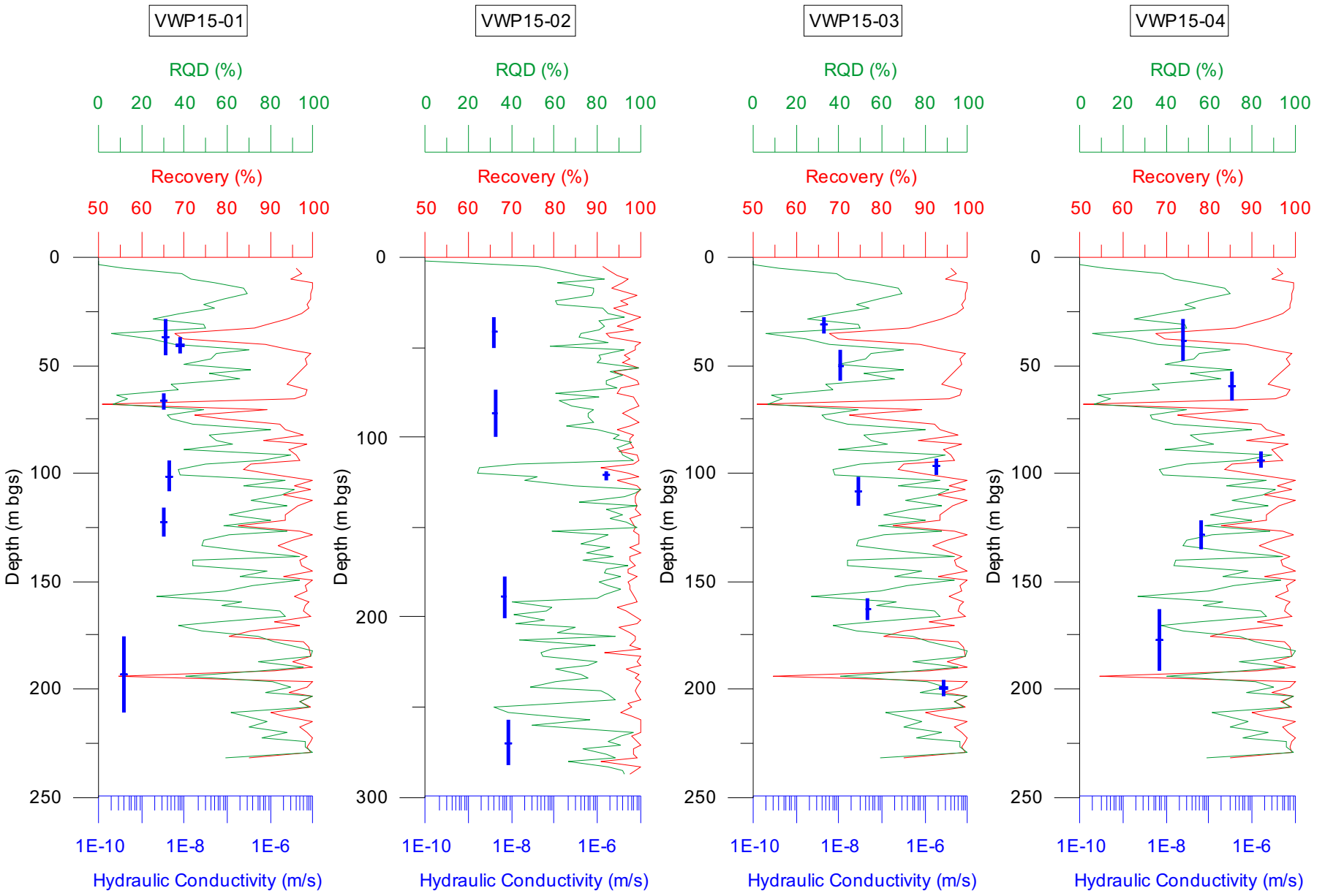
Packer Test Diagnostic Plots VWP15-04

PROJECT NO.	DWN	CKD	APVD	REV
ENVMIN03054-01	KRR	SK	SK	0

OFFICE	DATE
EBA-WHSE	December 23, 2015

Figure 7

Figure 8: Inferred Hydraulic Conductivities, Recovery and RQD



APPENDIX A
TETRA TECH'S GENERAL CONDITIONS

GENERAL CONDITIONS

GEOENVIRONMENTAL REPORT

This report incorporates and is subject to these “General Conditions”.

1.0 USE OF REPORT AND OWNERSHIP

This report pertains to a specific site, a specific development, and a specific scope of work. It is not applicable to any other sites, nor should it be relied upon for types of development other than those to which it refers. Any variation from the site or proposed development would necessitate a supplementary investigation and assessment.

This report and the assessments and recommendations contained in it are intended for the sole use of Tetra Tech EBA’s client. Tetra Tech EBA does not accept any responsibility for the accuracy of any of the data, the analysis or the recommendations contained or referenced in the report when the report is used or relied upon by any party other than Tetra Tech EBA’s Client unless otherwise authorized in writing by Tetra Tech EBA. Any unauthorized use of the report is at the sole risk of the user.

This report is subject to copyright and shall not be reproduced either wholly or in part without the prior, written permission of Tetra Tech EBA. Additional copies of the report, if required, may be obtained upon request.

2.0 ALTERNATE REPORT FORMAT

Where Tetra Tech EBA submits both electronic file and hard copy versions of reports, drawings and other project-related documents and deliverables (collectively termed Tetra Tech EBA’s instruments of professional service), only the signed and/or sealed versions shall be considered final and legally binding. The original signed and/or sealed version archived by Tetra Tech EBA shall be deemed to be the original for the Project.

Both electronic file and hard copy versions of Tetra Tech EBA’s instruments of professional service shall not, under any circumstances, no matter who owns or uses them, be altered by any party except Tetra Tech EBA. The Client warrants that Tetra Tech EBA’s instruments of professional service will be used only and exactly as submitted by Tetra Tech EBA.

Electronic files submitted by Tetra Tech EBA have been prepared and submitted using specific software and hardware systems. Tetra Tech EBA makes no representation about the compatibility of these files with the Client’s current or future software and hardware systems.

3.0 NOTIFICATION OF AUTHORITIES

In certain instances, the discovery of hazardous substances or conditions and materials may require that regulatory agencies and other persons be informed and the client agrees that notification to such bodies or persons as required may be done by Tetra Tech EBA in its reasonably exercised discretion.

4.0 INFORMATION PROVIDED TO TETRA TECH EBA BY OTHERS

During the performance of the work and the preparation of the report, Tetra Tech EBA may rely on information provided by persons other than the Client. While Tetra Tech EBA endeavours to verify the accuracy of such information when instructed to do so by the Client, Tetra Tech EBA accepts no responsibility for the accuracy or the reliability of such information which may affect the report.

APPENDIX B
WELL LOGS

Rockhaven Resources Ltd.

Borehole No: **GTC15-01**

Project: Klaza Preliminary Hydrogeological Assessment	Project No: ENVMIN03054-01
Location: Klaza Property	Ground Elev: 1359.89 m
Klaza, Yukon	UTM: 382824 E; 6890304 N; Z 8

Depth Along Axis (m)	Method	Soil Description	Sample Type	Run Number	Moisture Content (%)	Plastic Limit / Moisture Content / Liquid Limit (20 40 60 80)	Elevation (m)
0	Diamond Drilling	OVERBURDEN		1			1360
2		GRANODIORITE					1362
4				2			1364
6				3			1366
8							1368
10				4			1370
12				5			1372
14							1374
16				6			1376
18				7			1378
20							1380
22				8			1382
24							
26				9			
28				10			
30							

TETRA TECH EBA

Contractor: Platinum Drilling	Completion Depth: 157.89 m
Drilling Rig Type: Skid-mounted diesel-powered Zinex A-5	Start Date:
Logged By: AC	Completion Date:
Reviewed By: SK	Page 1 of 6

Rockhaven Resources Ltd.

Borehole No: **GTC15-01**

Project: Klaza Preliminary Hydrogeological Assessment	Project No: ENVMIN03054-01
Location: Klaza Property	Ground Elev: 1359.89 m
Klaza, Yukon	UTM: 382824 E; 6890304 N; Z 8

Depth Along Axis (m)	Method	Soil Description	Sample Type	Run Number	Moisture Content (%)	Plastic Limit / Moisture Content / Liquid Limit (20 40 60 80)	Elevation (m)
30	Diamond Drilling			11			1384
32							
34				12			1386
36							1388
38		- from 38.21 to 41.43 m, phyllic alteration and strong oxidation		13			
40				14			1390
42		- at 41.43 m, phyllic alteration with strong alterations, multiple quartz sulphide veins					1392
44				15			1394
46				16			1396
48							
50				17			1398
52				18			1400
54							
56				19			1402
58							1404
60				20			

TETRA TECH EBA

Contractor: Platinum Drilling	Completion Depth: 157.89 m
Drilling Rig Type: Skid-mounted diesel-powered Zinex A-5	Start Date:
Logged By: AC	Completion Date:
Reviewed By: SK	Page 2 of 6

Rockhaven Resources Ltd.

Borehole No: **GTC15-01**

Project: Klaza Preliminary Hydrogeological Assessment	Project No: ENVMIN03054-01
Location: Klaza Property	Ground Elev: 1359.89 m
Klaza, Yukon	UTM: 382824 E; 6890304 N; Z 8

Depth Along Axis (m)	Method	Soil Description	Sample Type	Run Number	Moisture Content (%)	Plastic Limit / Moisture Content / Liquid Limit (20 40 60 80)	Elevation (m)
60							1406
62				21			1408
64							
66				22			1410
68				23			1412
70		- from 68.99 to 70.92 m, phyllic and argillic alteration					1414
72	Diamond Drilling	QUARTZ FELDSPAR PORPHYRY DYKE - light grey green		24			1416
74				25			
76							1418
78		GRANODIORITE - phyllic alteration and strong oxidation to 78.07 m - from 78.07 to 87.78 m, propylitic alteration		26			1420
80				27			
82							1422
84				28			1424
86				29			1426
88							
90				30			1428

TETRA TECH EBA

Contractor: Platinum Drilling	Completion Depth: 157.89 m
Drilling Rig Type: Skid-mounted diesel-powered Zinex A-5	Start Date:
Logged By: AC	Completion Date:
Reviewed By: SK	Page 3 of 6

Rockhaven Resources Ltd.

Borehole No: **GTC15-01**

Project: Klaza Preliminary Hydrogeological Assessment	Project No: ENVMIN03054-01
Location: Klaza Property	Ground Elev: 1359.89 m
Klaza, Yukon	UTM: 382824 E; 6890304 N; Z 8

Depth Along Axis (m)	Method	Soil Description	Sample Type	Run Number	Moisture Content (%)	Plastic Limit / Moisture Content / Liquid Limit (20 40 60 80)	Elevation (m)
90		- from 90.05 to 97.74 m, phyllic alteration, abundance of quartz, carbonate and sulphide veins and veinlets					
92				31			1430
94							1432
96				32			
98		QUARTZ FELDSPAR PORPHYRY DYKE - partially gouge altered					1434
		GRANODIORITE - phyllic alteration		33			
100							1436
		BRECCIA - Central Klaza breccia, zones of pyrite, arsenopyrite, galena and disseminated pyrite		34			
102		GRANODIORITE - phyllic alteration with an abundance of quartz, sulphide and carbonate veins and veinlets					1438
104	Diamond Drilling						
				35			1440
106							
		BRECCIA - Central Klaza breccia, zones of pyrite, arsenopyrite, galena and disseminated pyrite					1442
108		QUARTZ FELDSPAR PORPHYRY DYKE - light grey, tan quartz		36			
110		BRECCIA - with zones of pyrite, arsenopyrite, galena and sphalerite					1444
		GRANODIORITE - phyllic alteration		37			
112							1446
114		QUARTZ FELDSPAR PORPHYRY DYKE - light grey, orange		38			
116		GRANODIORITE - strong phyllic alteration with abundance of quartz, sulphide and carbonate veins and veinlets					1448
				39			
118							1450
120				40			

TETRA TECH EBA

Contractor: Platinum Drilling	Completion Depth: 157.89 m
Drilling Rig Type: Skid-mounted diesel-powered Zinex A-5	Start Date:
Logged By: AC	Completion Date:
Reviewed By: SK	Page 4 of 6

Rockhaven Resources Ltd.

Borehole No: **GTC15-01**

Project: Klaza Preliminary Hydrogeological Assessment	Project No: ENVMIN03054-01
Location: Klaza Property	Ground Elev: 1359.89 m
Klaza, Yukon	UTM: 382824 E; 6890304 N; Z 8

Depth Along Axis (m)	Method	Soil Description	Sample Type	Run Number	Moisture Content (%)	Plastic Limit / Moisture Content / Liquid Limit (20 40 60 80)	Elevation (m)
120							1452
122		BRECCIA - zones of disseminated pyrite					
		GRANODIORITE - phyllic and propylitic alteration		41			1454
124							
		BRECCIA - zones of ankerite and disseminated pyrite					
126		GRANODIORITE - phyllic and propylitic alteration		42			1456
128							1458
				43			
130							1460
132		BRECCIA - zones of pyrite, arsenopyrite, galena and sphalerite		44			
		GRANODIORITE - phyllic alteration to 140.48 m					1462
134	Diamond Drilling						
				45			
136							1464
138				46			1466
140							
				47			1468
142							
144				48			1470
146							1472
				49			
148							1474
150							

TETRA TECH EBA

Contractor: Platinum Drilling	Completion Depth: 157.89 m
Drilling Rig Type: Skid-mounted diesel-powered Zinex A-5	Start Date:
Logged By: AC	Completion Date:
Reviewed By: SK	Page 5 of 6

Rockhaven Resources Ltd.

Borehole No: **GTC15-01**

Project: Klaza Preliminary Hydrogeological Assessment	Project No: ENVMIN03054-01
Location: Klaza Property	Ground Elev: 1359.89 m
Klaza, Yukon	UTM: 382824 E; 6890304 N; Z 8

Depth Along Axis (m)	Method	Soil Description	Sample Type	Run Number	Moisture Content (%)	Plastic Limit / Moisture Content / Liquid Limit (20 40 60 80)	Elevation (m)
150							
152	Diamond Drilling			50			1476
154				51			1478
156				52			1480
158		END OF BOREHOLE (157.89 metres)					1482
160							
162							1484
164							
166							1486
168							
170							1488
172							1490
174							
176							1492
178							1494
180							1496

TETRA TECH EBA

Contractor: Platinum Drilling	Completion Depth: 157.89 m
Drilling Rig Type: Skid-mounted diesel-powered Zinex A-5	Start Date:
Logged By: AC	Completion Date:
Reviewed By: SK	Page 6 of 6

Rockhaven Resources Ltd.

Borehole No: **MW15-01**

Project: Klaza Preliminary Hydrogeological Assessment	Project No: ENVMIN03054-01
Location: Klaza Property	Ground Elev: 1318 m
Klaza, Yukon	UTM: 383413 E; 6888610 N; Z 8

Depth (m)	Method	Soil Description	Sample Type	Run Number	Moisture Content (%)
0	Diamond Drilling	OVERBURDEN		1	
		GRANODIORITE - highly oxidized with argillic, phyllic and propylitic alterations, zones of disseminated pyrite to 25.22 m		2	
				3	
				4	
				5	
				6	
				7	
				8	
		- from 25.22 to 38.30 m, propylitic alteration, zones of pyrite and disseminated pyrite		9	
				10	

Plastic Limit / Moisture Content / Liquid Limit: 20 40 60 80

MW15-01D

MW15-01S

Aug23/15(D)

Aug23/15(S)

Elevation (m)
1318
1316
1314
1312
1310
1308
1306
1304
1302
1300
1298
1296
1294
1292
1290
1288

TETRA TECH EBA

Contractor: Platinum Drilling	Completion Depth: 75.9 m
Drilling Rig Type: Skid-mounted diesel-powered Zinex A-5	Start Date: 2015 August 20
Logged By: AC	Completion Date: 2015 August 20
Reviewed By: SK	Page 1 of 3

Rockhaven Resources Ltd.

Borehole No: **MW15-01**

Project: Klaza Preliminary Hydrogeological Assessment	Project No: ENVMIN03054-01
Location: Klaza Property	Ground Elev: 1318 m
Klaza, Yukon	UTM: 383413 E; 6888610 N; Z 8

Depth (m)	Method	Soil Description	Sample Type	Run Number	Moisture Content (%)	Plastic Limit / Moisture Content / Liquid Limit (20 40 60 80)	MW15-01D	MW15-01S	Elevation (m)
30	Diamond Drilling			11					1288
32									1286
34				12					1284
36									1282
38		- from 38.30 to 56.55 m, propylitic alteration, zones of pyrite and disseminated pyrite, oxidized along fractures		13					1280
40									1278
42				14					1276
44									1274
46				15					1272
48									1270
50				16					1268
52									1266
54				17					1264
56									1262
58		- from 56.55 to 71.07 m, propylitic alteration, zones of disseminate pyrite		18					1260
60									1258
				19					
				20					

TETRA TECH EBA

Contractor: Platinum Drilling	Completion Depth: 75.9 m
Drilling Rig Type: Skid-mounted diesel-powered Zinex A-5	Start Date: 2015 August 20
Logged By: AC	Completion Date: 2015 August 20
Reviewed By: SK	Page 2 of 3

Rockhaven Resources Ltd.

Borehole No: **MW15-01**

Project: Klaza Preliminary Hydrogeological Assessment	Project No: ENVMIN03054-01
Location: Klaza Property	Ground Elev: 1318 m
Klaza, Yukon	UTM: 383413 E; 6888610 N; Z 8

Depth (m)	Method	Soil Description	Sample Type	Run Number	Moisture Content (%)	Plastic Limit / Moisture Content / Liquid Limit (20 40 60 80)	MW15-01D	MW15-01S	Elevation (m)
60									1258
62	Diamond Drilling			21					1256
64									1254
66				22					1252
68									1250
70				23					1248
72		- from 71.07 to 75.90 m, argillic alteration, zones of disseminated pyrite		24					1246
74									1244
76				25					1242
78		END OF BOREHOLE (75.90 metres) Monitoring well D installed to 75.40 metres below ground water - 17.79 metres on August 23, 2015 Monitoring well S installed to 4.60 metres below ground							1240
80									1238
82									1236
84									1234
86									1232
88									1230
90									1228

TETRA TECH EBA

Contractor: Platinum Drilling	Completion Depth: 75.9 m
Drilling Rig Type: Skid-mounted diesel-powered Zinex A-5	Start Date: 2015 August 20
Logged By: AC	Completion Date: 2015 August 20
Reviewed By: SK	Page 3 of 3

Rockhaven Resources Ltd.

Borehole No: **MW15-02**

Project: Klaza Preliminary Hydrogeological Assessment	Project No: ENVMIN03054-01
Location: Klaza Property	Ground Elev: 1345.38 m
Klaza, Yukon	UTM: 383355 E; 6890004 N; Z 8

Depth (m)	Method	Soil Description	Sample Type	Run Number	Moisture Content (%)
0	Diamond Drilling	OVERBURDEN		1	
10		GRANODIORITE - strong phyllic and argillic alteration, highly weathered to 40.24 m		2	
12				3	
16				4	
20				5	
22				6	
26				7	
30				8	

Plastic Limit / Moisture Content / Liquid Limit: 20 40 60 80

MW15-02D

MW15-02S

Elevation (m): 1344, 1342, 1340, 1338, 1336, 1334, 1332, 1330, 1328, 1326, 1324, 1322, 1320, 1318, 1316

Aug23/15(S)

TETRA TECH EBA

Contractor: Platinum Drilling	Completion Depth: 66.75 m
Drilling Rig Type: Skid-mounted diesel-powered Zinex A-5	Start Date: 2015 August 18
Logged By: AC	Completion Date: 2015 August 18
Reviewed By: SK	Page 1 of 3

Rockhaven Resources Ltd.

Borehole No: **MW15-02**

Project: Klaza Preliminary Hydrogeological Assessment	Project No: ENVMIN03054-01
Location: Klaza Property	Ground Elev: 1345.38 m
Klaza, Yukon	UTM: 383355 E; 6890004 N; Z 8

Depth (m)	Method	Soil Description	Sample Type	Run Number	Moisture Content (%)	Plastic Limit / Moisture Content / Liquid Limit (20 40 60 80)	MW15-02D	MW15-02S	Elevation (m)
30	Diamond Drilling	- from 40.24 to 66.75 m, phyllic alteration, strongly oxidized		9					1314
32									
34				10					1312
36									1310
38				11					1308
40									1306
42				12					1304
44				13					1302
46									1300
48				14					1298
50									1296
52				15					1294
54									1292
56				16					1290
58									1288
60				17					1286
				18					

Aug23/15(D)

Aug23/15(D)

TETRA TECH EBA

Contractor: Platinum Drilling	Completion Depth: 66.75 m
Drilling Rig Type: Skid-mounted diesel-powered Zinex A-5	Start Date: 2015 August 18
Logged By: AC	Completion Date: 2015 August 18
Reviewed By: SK	Page 2 of 3

Rockhaven Resources Ltd.

Borehole No: **MW15-02**

Project: Klaza Preliminary Hydrogeological Assessment	Project No: ENVMIN03054-01
Location: Klaza Property	Ground Elev: 1345.38 m
Klaza, Yukon	UTM: 383355 E; 6890004 N; Z 8

Depth (m)	Method	Soil Description	Sample Type	Run Number	Moisture Content (%)	Plastic Limit / Moisture Content / Liquid Limit (20 40 60 80)	MW15-02D	MW15-02S	Elevation (m)
60									
62	Diamond Drilling			19					1284
64									1282
66				20					1280
		END OF BOREHOLE (66.75 metres) Monitoring well D installed to 64.50 metres below ground water - 59.00 metres on August 23, 2015 Monitoring well S installed to 4.90 metres below ground water - 0.40 metres on August 23, 2015							1278
68									1276
70									1274
72									1272
74									1270
76									1268
78									1266
80									1264
82									1262
84									1260
86									1258
88									1256
90									

TETRA TECH EBA

Contractor: Platinum Drilling	Completion Depth: 66.75 m
Drilling Rig Type: Skid-mounted diesel-powered Zinex A-5	Start Date: 2015 August 18
Logged By: AC	Completion Date: 2015 August 18
Reviewed By: SK	Page 3 of 3

Rockhaven Resources Ltd.

Borehole No: **MW15-03**

Project: Klaza Preliminary Hydrogeological Assessment	Project No: ENVMIN03054-01
Location: Klaza Property	Ground Elev: 1301.86 m
Klaza, Yukon	UTM: 383059 E; 6890592 N; Z 8

Depth (m)	Method	Soil Description	Sample Type	Run Number	Moisture Content (%)	Plastic Limit / Moisture Content / Liquid Limit (20 40 60 80)	MW15-03D	MW15-03S	Elevation (m)
0	Diamond Drilling	OVERBURDEN		1					1300
4		GRANODIORITE - phyllic and argillic alteration, highly fractured and oxidized to 14.60 m		2					1298
6				3					1296
8									1294
10				4					1292
12									1290
14				5					1288
16				6					1286
18									1284
20				7					1282
22				8					1280
24									1278
26				9					1276
28		- at 26.71 m, phyllic and propylitic alteration, moderate oxidation		10					1274
30									1272

Aug23/15(S)

Aug23/15(D)

TETRA TECH EBA

Contractor: Platinum Drilling	Completion Depth: 33.22 m
Drilling Rig Type: Skid-mounted diesel-powered Zinex A-5	Start Date: 2015 August 17
Logged By: AC	Completion Date: 2015 August 17
Reviewed By: SK	Page 1 of 2

Rockhaven Resources Ltd.

Borehole No: **MW15-03**

Project: Klaza Preliminary Hydrogeological Assessment	Project No: ENVMIN03054-01
Location: Klaza Property	Ground Elev: 1301.86 m
Klaza, Yukon	UTM: 383059 E; 6890592 N; Z 8

Depth (m)	Method	Soil Description	Sample Type	Run Number	Moisture Content (%)	Plastic Limit / Moisture Content / Liquid Limit (20 40 60 80)	MW15-03D	MW15-03S	Elevation (m)
30									
32				11					1270
34		END OF BOREHOLE (33.22 metres) Monitoring well D installed to 31.00 metres below ground water - 28.02 metres on August 23, 2015 Monitoring well S installed to 4.70 metres below ground water - 1.08 metres on August 23, 2015							1268
36									1266
38									1264
40									1262
42									1260
44									1258
46									1256
48									1254
50									1252
52									1250
54									1248
56									1246
58									1244
60									1242

TETRA TECH EBA

Contractor: Platinum Drilling	Completion Depth: 33.22 m
Drilling Rig Type: Skid-mounted diesel-powered Zinex A-5	Start Date: 2015 August 17
Logged By: AC	Completion Date: 2015 August 17
Reviewed By: SK	Page 2 of 2

Rockhaven Resources Ltd.

Borehole No: **MW15-04**

Project: Klaza Preliminary Hydrogeological Assessment	Project No: ENVMIN03054-01
Location: Klaza Property	Ground Elev: 1277.38 m
Klaza, Yukon	UTM: 382484 E; 6891020 N; Z 8

Depth (m)	Method	Soil Description	Sample Type	Run Number	Moisture Content (%)	Plastic Limit / Moisture Content / Liquid Limit (20 40 60 80)	MW15-04D	MW15-04S	Elevation (m)
0	Diamond Drilling	OVERBURDEN		1					
		BRECCIA - intermixed quartz feldspar porphyry dyke and argillic altered granodiorite		2					
				3					
		QUARTZ FELDSPAR PORPHYRY DYKE - to 31.46 m - light to medium grey quartz		4					
				5					
				6					
				7					
				8					
				9					
				10					
				11					

Aug23/15(S)
Aug23/15(D)
Aug23/15(S)
Aug23/15(D)

Contractor: Platinum Drilling	Completion Depth: 84.43 m
Drilling Rig Type: Skid-mounted diesel-powered Zinex A-5	Start Date: 2015 August 16
Logged By: AC	Completion Date: 2015 August 16
Reviewed By: SK	Page 1 of 3

TETRA TECH EBA

Rockhaven Resources Ltd.

Borehole No: **MW15-04**

Project: Klaza Preliminary Hydrogeological Assessment	Project No: ENVMIN03054-01
Location: Klaza Property	Ground Elev: 1277.38 m
Klaza, Yukon	UTM: 382484 E; 6891020 N; Z 8

Depth (m)	Method	Soil Description	Sample Type	Run Number	Moisture Content (%)	Plastic Limit / Moisture Content / Liquid Limit (20 40 60 80)	MW15-04D	MW15-04S	Elevation (m)
30	Diamond Drilling	- from 31.46 to 76.76 m, light grey/purple and dark grey/purple quartz feldspar porphyry dyke, strong oxidization		12					1246
32									
34				13					1244
36									1242
38				14					1240
40									1238
42				15					1236
44				16					1234
46									1232
48				17					1230
50				18					1228
52									1226
54				19					1224
56				20					1222
58									1220
60				21					1218

TETRA TECH EBA

Contractor: Platinum Drilling	Completion Depth: 84.43 m
Drilling Rig Type: Skid-mounted diesel-powered Zinex A-5	Start Date: 2015 August 16
Logged By: AC	Completion Date: 2015 August 16
Reviewed By: SK	Page 2 of 3

Rockhaven Resources Ltd.

Borehole No: **MW15-04**

Project: Klaza Preliminary Hydrogeological Assessment	Project No: ENVMIN03054-01
Location: Klaza Property	Ground Elev: 1277.38 m
Klaza, Yukon	UTM: 382484 E; 6891020 N; Z 8

Depth (m)	Method	Soil Description	Sample Type	Run Number	Moisture Content (%)	Plastic Limit / Moisture Content / Liquid Limit (20 40 60 80)	MW15-04D	MW15-04S	Elevation (m)
60	Diamond Drilling			22					1216
62									
64				23					1214
66									1212
68				24					1210
70									1208
72				25					1206
74				26					1204
76									1202
		GRANODIORITE - potassic and propylitic alterations		27					
78		QUARTZ FELDSPAR PORPHYRY DYKE - highly fractured							1200
80				28					1198
82									1196
				29					
84									1194
		END OF BOREHOLE (84.43 metres) Monitoring well D installed to 63.20 metres below ground water - 12.99 metres on August 23, 2015 Monitoring well S installed to 4.60 metres below ground water - 1.09 metres on August 23, 2015							
86									1192
88									1190
90									1188

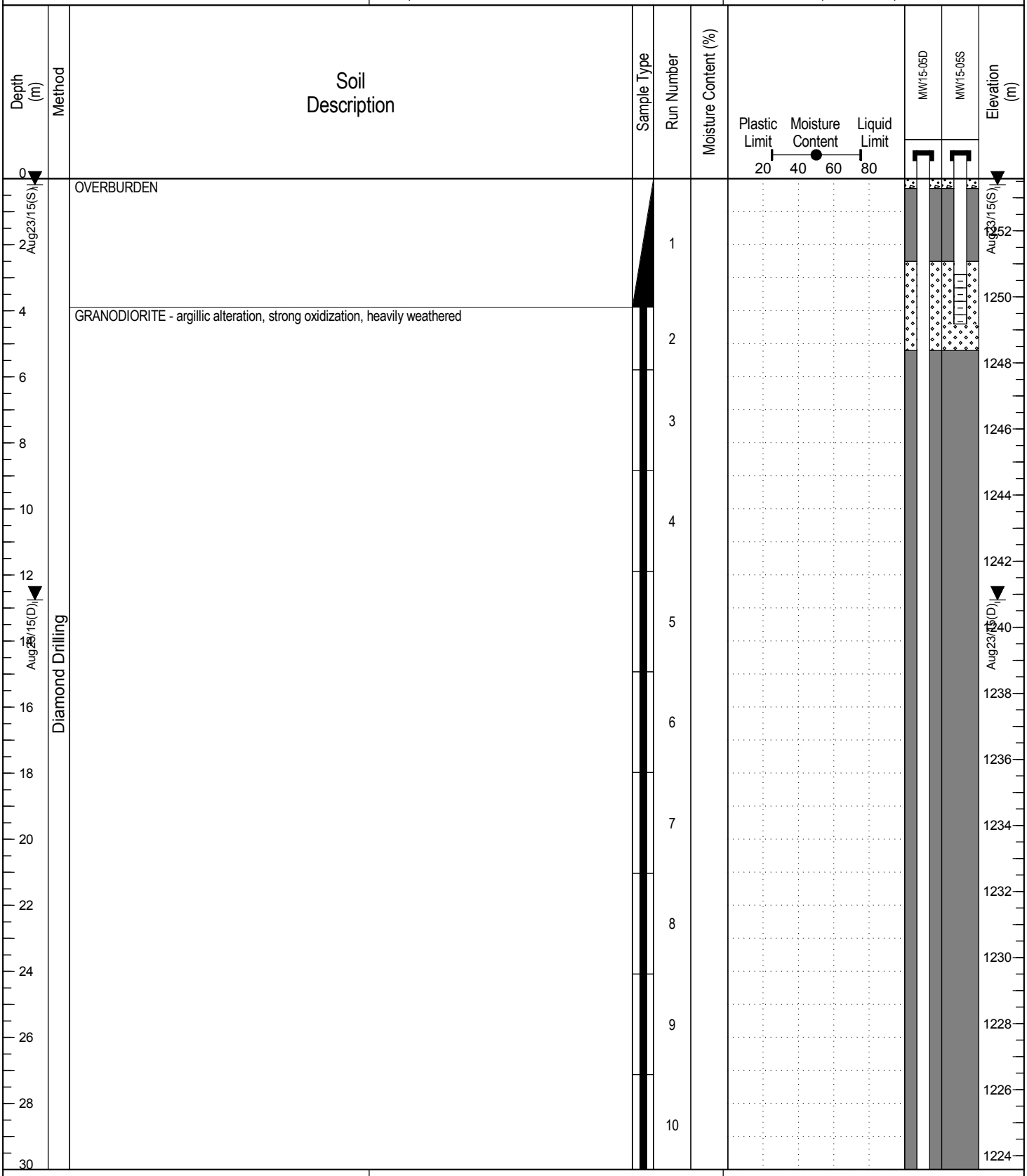
TETRA TECH EBA

Contractor: Platinum Drilling	Completion Depth: 84.43 m
Drilling Rig Type: Skid-mounted diesel-powered Zinex A-5	Start Date: 2015 August 16
Logged By: AC	Completion Date: 2015 August 16
Reviewed By: SK	Page 3 of 3

Rockhaven Resources Ltd.

Borehole No: **MW15-05**

Project: Klaza Preliminary Hydrogeological Assessment	Project No: ENVMIN03054-01
Location: Klaza Property	Ground Elev: 1253.58 m
Klaza, Yukon	UTM: 381552 E; 6890347 N; Z 8



Contractor: Platinum Drilling	Completion Depth: 48.46 m
Drilling Rig Type: Skid-mounted diesel-powered Zinex A-5	Start Date: 2015 August 21
Logged By: AC	Completion Date: 2015 August 21
Reviewed By: SK	Page 1 of 2

TETRA TECH EBA

Rockhaven Resources Ltd.

Borehole No: **MW15-05**

Project: Klaza Preliminary Hydrogeological Assessment	Project No: ENVMIN03054-01
Location: Klaza Property	Ground Elev: 1253.58 m
Klaza, Yukon	UTM: 381552 E; 6890347 N; Z 8

Depth (m)	Method	Soil Description	Sample Type	Run Number	Moisture Content (%)	Plastic Limit / Moisture Content / Liquid Limit (20 40 60 80)	MW15-05D	MW15-05S	Elevation (m)
30	Diamond Drilling	- from 30.76 to 36.72 m, oxidation along fractures		11					1222
32									
34				12					1220
36		- from 36.72 to 48.46 m, phyllic and propylitic alteration, highly fractured, poor recovery							1218
38				13					1216
40									1214
42				14					1212
44				15					1210
46									1208
48				16					1206
50		END OF BOREHOLE (48.46 metres) Monitoring well D installed to 46.50 metres below ground water - 12.75 metres on August 23, 2015 Monitoring well S installed to 4.40 metres below ground water - 0.18 metres on August 23, 2015							1204
52									1202
54									1200
56									1198
58									1196
60									1194

TETRA TECH EBA

Contractor: Platinum Drilling	Completion Depth: 48.46 m
Drilling Rig Type: Skid-mounted diesel-powered Zinex A-5	Start Date: 2015 August 21
Logged By: AC	Completion Date: 2015 August 21
Reviewed By: SK	Page 2 of 2

Rockhaven Resources Ltd.

Borehole No: **VWP15-01**

Project: Klaza Preliminary Hydrogeological Assessment	Project No: ENVMIN03054-01
Location: Klaza Property	Ground Elev: 1440.85 m
Klaza, Yukon	UTM: 382739 E; 6889159 N; Z 8

Depth Along Axis (m)	Method	Soil Description	Sample Type	Run Number	Moisture Content (%)	Plastic Limit / Moisture Content / Liquid Limit (20 40 60 80)	VW33200	VW33202	VW33204	Elevation (m)
0	Diamond Drilling	OVERBURDEN		1						1442
4		QUARTZ FELDSPAR PORPHYRY DYKE - hydrothermal alteration		2						1444
6				3						1446
8										
10				4						1448
12				5						1450
14		GRANODIORITE - phyllic granodiorite with disseminated pyrite - moderate oxidization								1452
16		QUARTZ FELDSPAR PORPHYRY DYKE - with moderate to intense hydrothermal alteration		6						1454
18				7						1456
20										
22				8						1458
24				9						1460
26										
28				10						1462
30										

TETRA TECH EBA

Contractor: Platinum Drilling	Completion Depth: 303.89 m
Drilling Rig Type: Skid-mounted diesel-powered Zinex A-5	Start Date: 2015 June 28
Logged By: AC	Completion Date: 2015 June 28
Reviewed By: SK	Page 1 of 11

Rockhaven Resources Ltd.

Borehole No: **VWP15-01**

Project: Klaza Preliminary Hydrogeological Assessment	Project No: ENVMIN03054-01
Location: Klaza Property	Ground Elev: 1440.85 m
Klaza, Yukon	UTM: 382739 E; 6889159 N; Z 8

Depth Along Axis (m)	Method	Soil Description	Sample Type	Run Number	Moisture Content (%)	Plastic Limit / Moisture Content / Liquid Limit (20 40 60 80)	VW33200	VW33202	VW33204	Elevation (m)
30	Diamond Drilling			11						1464
32										1466
34		GRANODIORITE - pervasive oxide staining, fracturing and clay alteration		12						
36				13						1468
38										1470
40				14						1472
42										
44				15						1474
46				16						1476
48		QUARTZ FELDSPAR PORPHYRY DYKE - hydrothermal alteration								1478
50				17						
52				18						1480
54										1482
56				19						
58										1484
60				20						1486

TETRA TECH EBA

Contractor: Platinum Drilling	Completion Depth: 303.89 m
Drilling Rig Type: Skid-mounted diesel-powered Zinex A-5	Start Date: 2015 June 28
Logged By: AC	Completion Date: 2015 June 28
Reviewed By: SK	Page 2 of 11

Rockhaven Resources Ltd.

Borehole No: **VWP15-01**

Project: Klaza Preliminary Hydrogeological Assessment	Project No: ENVMIN03054-01
Location: Klaza Property	Ground Elev: 1440.85 m
Klaza, Yukon	UTM: 382739 E; 6889159 N; Z 8

Depth Along Axis (m)	Method	Soil Description	Sample Type	Run Number	Moisture Content (%)	Plastic Limit / Moisture Content / Liquid Limit (20 40 60 80)	VW33200	VW33202	VW33204	Elevation (m)
60	Diamond Drilling	GRANODIORITE - moderate phyllic alteration		21						1488
62										
64				22						1490
66										
68				23						1492
70										
72				24						1494
74										
76				25						1496
78		QUARTZ FELDSPAR PORPHYRY DYKE - with hydrothermal alteration		26						1498
80		GRANODIORITE								1500
82				27						1502
84										1504
86		- from 85.31 to 88.30 m, highly fractured and clay altered		28						1506
88		- at 88.30 m, phyllic alteration, mineralized quartz veins with pyrite and sphalerite		29						1508
90				30						

TETRA TECH EBA

Contractor: Platinum Drilling	Completion Depth: 303.89 m
Drilling Rig Type: Skid-mounted diesel-powered Zinex A-5	Start Date: 2015 June 28
Logged By: AC	Completion Date: 2015 June 28
Reviewed By: SK	Page 3 of 11

Rockhaven Resources Ltd.

Borehole No: **VWP15-01**

Project: Klaza Preliminary Hydrogeological Assessment	Project No: ENVMIN03054-01
Location: Klaza Property	Ground Elev: 1440.85 m
Klaza, Yukon	UTM: 382739 E; 6889159 N; Z 8

Depth Along Axis (m)	Method	Soil Description	Sample Type	Run Number	Moisture Content (%)	Plastic Limit / Moisture Content / Liquid Limit (20 40 60 80)	VW33200	VW33202	VW33204	Elevation (m)
90	Diamond Drilling									1510
92				31						1512
94										
96				32						1514
98										
100		QUARTZ FELDSPAR PORPHYRY DYKE - with hydrothermal alteration		33						1516
102										
104		GRANODIORITE - phyllic alteration - quartz/carbonate veins with pyrite, sphalerite and some galena		34						1518
106										
108				35						1520
110		QUARTZ FELDSPAR PORPHYRY DYKE - with hydrothermal alteration - cut by quartz-pyrite stringers hosting sphalerite		36						1522
112										
114				37						1524
116										
118				38						1526
120		GRANODIORITE - phyllic alteration with disseminated pyrite - cut by calcite veins with pyrite and sphalerite		39						1528
										1530
				40						1532

TETRA TECH EBA

Contractor: Platinum Drilling	Completion Depth: 303.89 m
Drilling Rig Type: Skid-mounted diesel-powered Zinex A-5	Start Date: 2015 June 28
Logged By: AC	Completion Date: 2015 June 28
Reviewed By: SK	Page 4 of 11

Rockhaven Resources Ltd.

Borehole No: **VWP15-01**

Project: Klaza Preliminary Hydrogeological Assessment	Project No: ENVMIN03054-01
Location: Klaza Property	Ground Elev: 1440.85 m
Klaza, Yukon	UTM: 382739 E; 6889159 N; Z 8

Depth Along Axis (m)	Method	Soil Description	Sample Type	Run Number	Moisture Content (%)	Plastic Limit / Moisture Content / Liquid Limit (20 40 60 80)	VW33200	VW33202	VW33204	Elevation (m)
120										
122				41						1534
124										1536
126				42						
128		QUARTZ FELDSPAR PORPHYRY DYKE - with hydrothermal alteration, dyke is crosscut by calcite-pyrite-sphalerite veinlets		43						1538
130										1540
132				44						1542
134	Diamond Drilling	- at 134.51 m, 0.92 m thick massive white quartz vein with massive pyrite, sphalerite and galena		45						1544
136		GRANODIORITE - phyllic alteration cut by quartz veins hosting pyrite and sphalerite								1546
138				46						
140		QUARTZ FELDSPAR PORPHYRY DYKE - with hydrothermal alteration								1548
142		GRANODIORITE - quartz/pyrite veinlets		47						1550
144				48						
146										1552
148				49						1554
150										

TETRA TECH EBA

Contractor: Platinum Drilling	Completion Depth: 303.89 m
Drilling Rig Type: Skid-mounted diesel-powered Zinex A-5	Start Date: 2015 June 28
Logged By: AC	Completion Date: 2015 June 28
Reviewed By: SK	Page 5 of 11

Rockhaven Resources Ltd.

Borehole No: **VWP15-01**

Project: Klaza Preliminary Hydrogeological Assessment	Project No: ENVMIN03054-01
Location: Klaza Property	Ground Elev: 1440.85 m
Klaza, Yukon	UTM: 382739 E; 6889159 N; Z 8

Depth Along Axis (m)	Method	Soil Description	Sample Type	Run Number	Moisture Content (%)	Plastic Limit / Moisture Content / Liquid Limit (20 40 60 80)	VW33200	VW33202	VW33204	Elevation (m)
150	Diamond Drilling	- from 154.20 to 158.22 m, few discontinuous pyrite stringers		50						1556
152				51						1558
154										1560
156				52						1562
158		- from 158.20 to 159.30 m, massive pyrite vein - from 159.30 to 166.60 m, propylitic alteration, few pyrite bearing veins		53						1564
160										1566
162				54						1568
164										1570
166		- at 166.63 m, phyllic alteration cut by quartz-pyrite veinlets and veins, disseminated pyrite		55						1572
168				56						1574
170										1576
172		- from 171.00 to 256.00 m, quartz-pyrite veins		57						1578
174				58						
176										
178				59						
180										

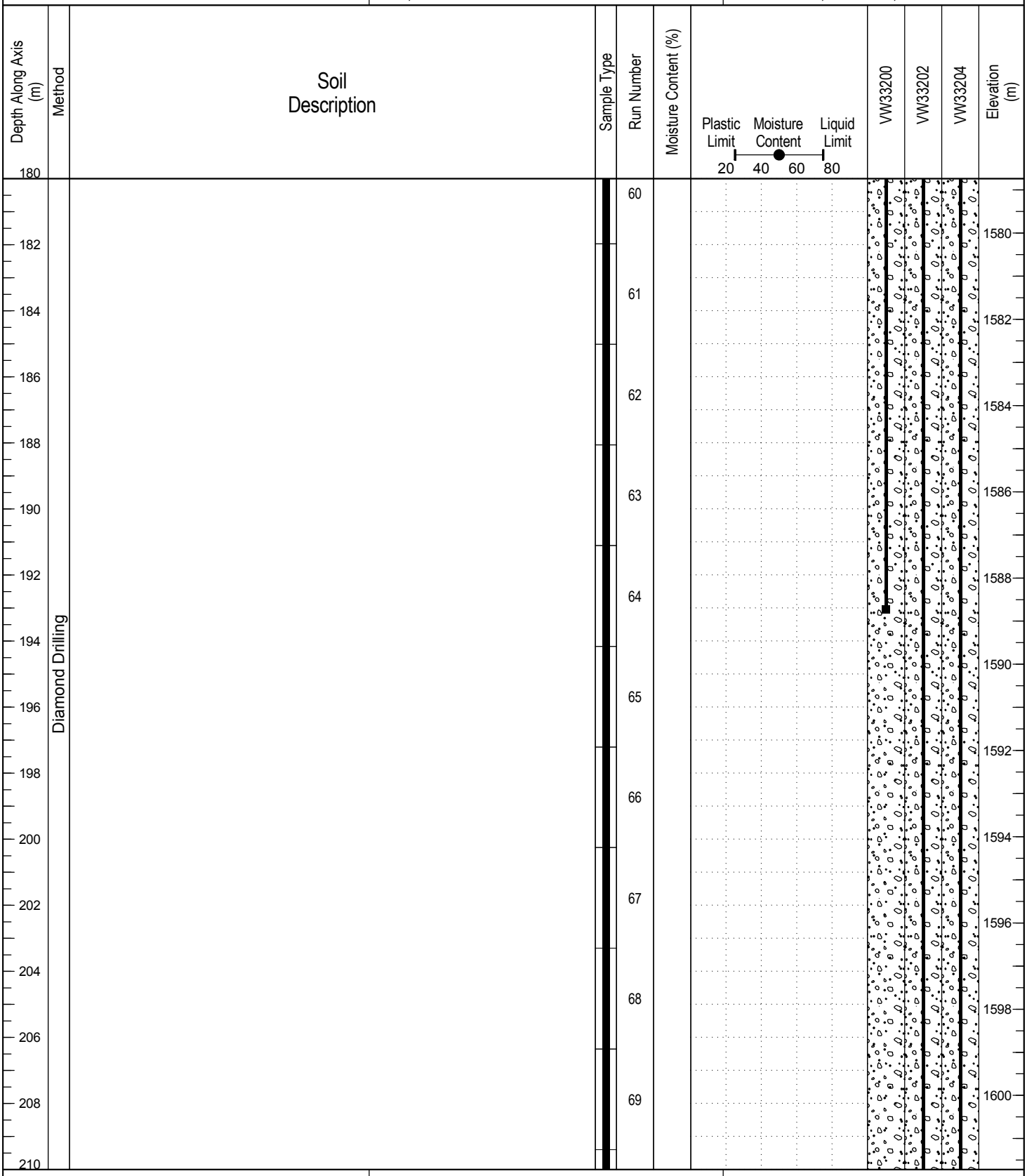
TETRA TECH EBA

Contractor: Platinum Drilling	Completion Depth: 303.89 m
Drilling Rig Type: Skid-mounted diesel-powered Zinex A-5	Start Date: 2015 June 28
Logged By: AC	Completion Date: 2015 June 28
Reviewed By: SK	Page 6 of 11

Rockhaven Resources Ltd.

Borehole No: **VWP15-01**

Project: Klaza Preliminary Hydrogeological Assessment	Project No: ENVMIN03054-01
Location: Klaza Property	Ground Elev: 1440.85 m
Klaza, Yukon	UTM: 382739 E; 6889159 N; Z 8



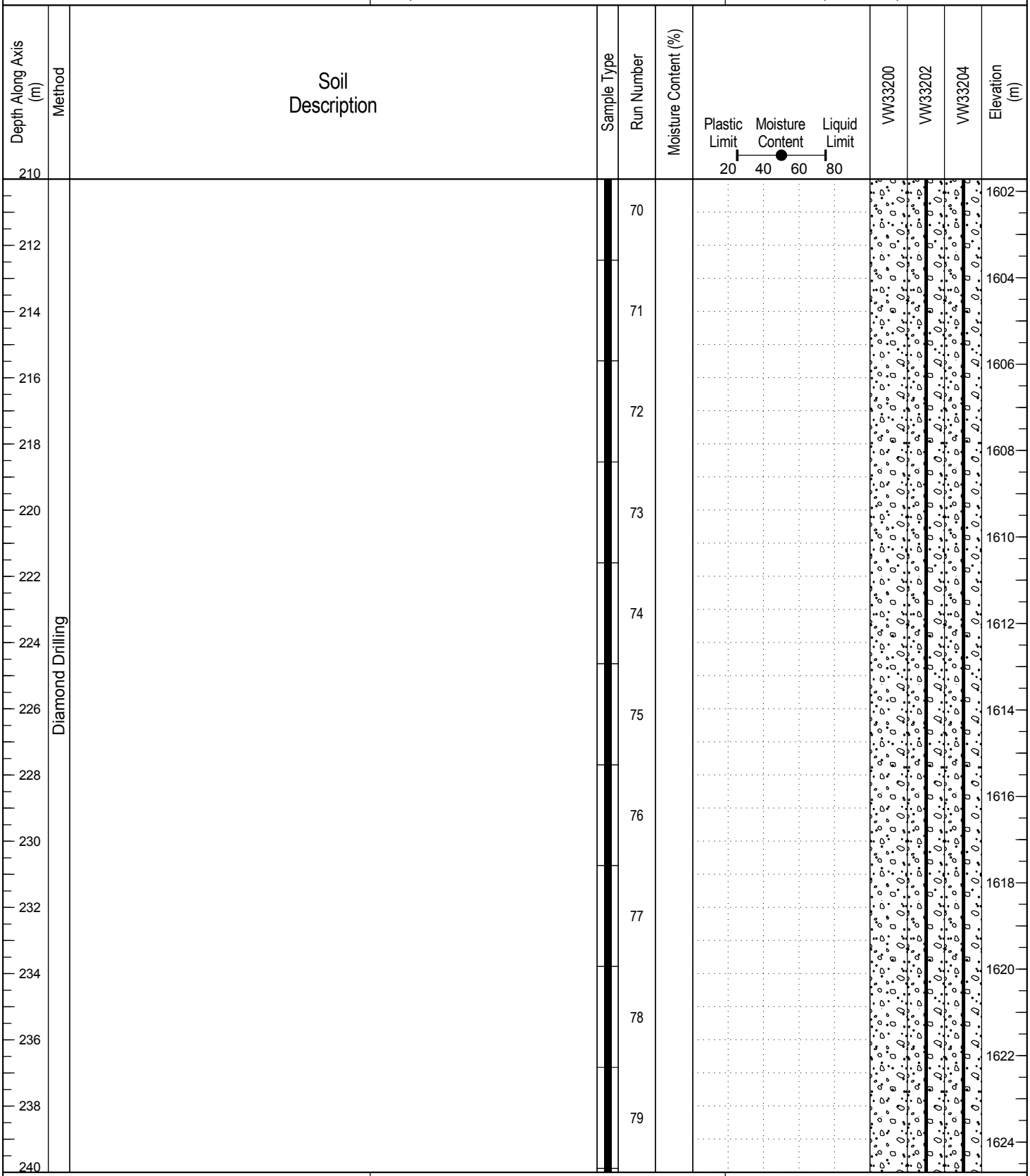
TETRA TECH EBA

Contractor: Platinum Drilling	Completion Depth: 303.89 m
Drilling Rig Type: Skid-mounted diesel-powered Zinex A-5	Start Date: 2015 June 28
Logged By: AC	Completion Date: 2015 June 28
Reviewed By: SK	Page 7 of 11

Rockhaven Resources Ltd.

Borehole No: **VWP15-01**

Project: Klaza Preliminary Hydrogeological Assessment	Project No: ENVMIN03054-01
Location: Klaza Property	Ground Elev: 1440.85 m
Klaza, Yukon	UTM: 382739 E; 6889159 N; Z 8



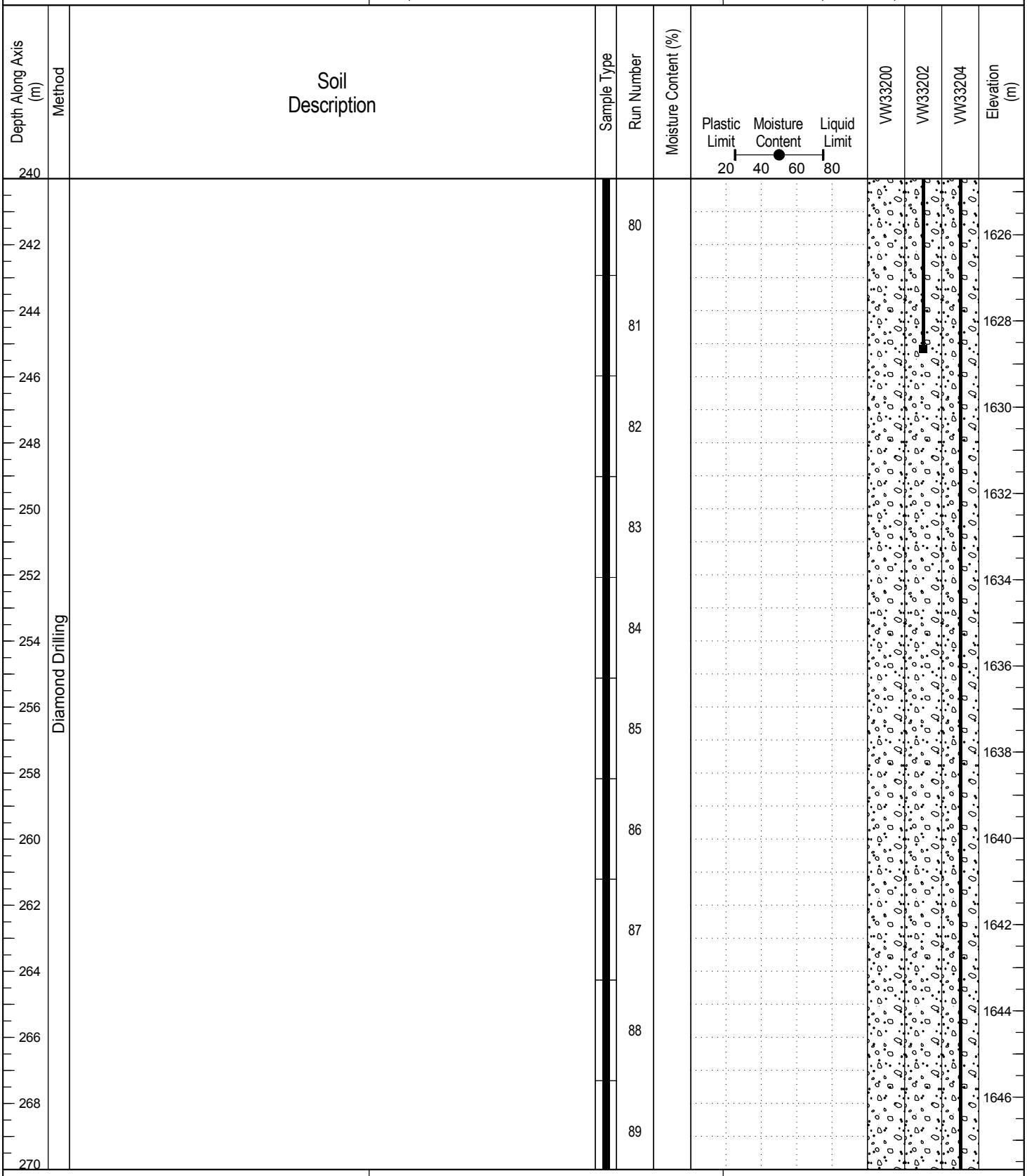
TETRA TECH EBA

Contractor: Platinum Drilling	Completion Depth: 303.89 m
Drilling Rig Type: Skid-mounted diesel-powered Zinex A-5	Start Date: 2015 June 28
Logged By: AC	Completion Date: 2015 June 28
Reviewed By: SK	Page 8 of 11

Rockhaven Resources Ltd.

Borehole No: **VWP15-01**

Project: Klaza Preliminary Hydrogeological Assessment	Project No: ENVMIN03054-01
Location: Klaza Property	Ground Elev: 1440.85 m
Klaza, Yukon	UTM: 382739 E; 6889159 N; Z 8



TETRA TECH EBA

Contractor: Platinum Drilling	Completion Depth: 303.89 m
Drilling Rig Type: Skid-mounted diesel-powered Zinex A-5	Start Date: 2015 June 28
Logged By: AC	Completion Date: 2015 June 28
Reviewed By: SK	Page 9 of 11

Rockhaven Resources Ltd.

Borehole No: **VWP15-01**

Project: Klaza Preliminary Hydrogeological Assessment	Project No: ENVMIN03054-01
Location: Klaza Property	Ground Elev: 1440.85 m
Klaza, Yukon	UTM: 382739 E; 6889159 N; Z 8

Depth Along Axis (m)	Method	Soil Description	Sample Type	Run Number	Moisture Content (%)	Plastic Limit / Moisture Content / Liquid Limit (20 40 60 80)	VW33200	VW33202	VW33204	Elevation (m)
270	Diamond Drilling	- at 272.88 m, argillic alteration - quartz-carbonate veins with pyrite		90						1648
272										1650
274				91						1652
276										1654
278		- at 277.83 m, propylitic alteration		92						1656
280										1658
282				93						1660
284										1662
286				94						1664
288										1666
290				95						1668
292										1670
294				96						
296										
298				97						
300										
				98						
				99						

TETRA TECH EBA

Contractor: Platinum Drilling	Completion Depth: 303.89 m
Drilling Rig Type: Skid-mounted diesel-powered Zinex A-5	Start Date: 2015 June 28
Logged By: AC	Completion Date: 2015 June 28
Reviewed By: SK	Page 10 of 11

Rockhaven Resources Ltd.

Borehole No: **VWP15-01**

Project: Klaza Preliminary Hydrogeological Assessment	Project No: ENVMIN03054-01
Location: Klaza Property	Ground Elev: 1440.85 m
Klaza, Yukon	UTM: 382739 E; 6889159 N; Z 8

Depth Along Axis (m)	Method	Soil Description	Sample Type	Run Number	Moisture Content (%)	Plastic Limit / Moisture Content / Liquid Limit (20 40 60 80)	VW33200	VW33202	VW33204	Elevation (m)
300										
302	Diamond Drilling			100						1672
304		END OF BOREHOLE (303.89 metres) Vibrating Wire VW33204 installed to 294.36 metres Pressure rating: 5.0 MPa; 8853.6 B Temperature: 16.4° C Vibrating Wire VW33202 installed to 245.28 metres Pressure rating: 3.0 MPa; 9004.1 B Temperature: 17.0° C Vibrating Wire VW33200 installed to 193.16 metres Pressure rating: 3.0 MPa; 8974.9 B Temperature: 17.4° C								1674
306										1676
308										
310										1678
312										1680
314										
316										1682
318										1684
320										1686
322										
324										1688
326										1690
328										1692
330										

TETRA TECH EBA

Contractor: Platinum Drilling	Completion Depth: 303.89 m
Drilling Rig Type: Skid-mounted diesel-powered Zinex A-5	Start Date: 2015 June 28
Logged By: AC	Completion Date: 2015 June 28
Reviewed By: SK	Page 11 of 11

Rockhaven Resources Ltd.

Borehole No: **VWP15-02**

Project: Klaza Preliminary Hydrogeological Assessment	Project No: ENVMIN03054-01
Location: Klaza Property	Ground Elev: 1366.63 m
Klaza, Yukon	UTM: 382624 E; 6890299 N; Z 8

Depth Along Axis (m)	Method	Soil Description	Sample Type	Run Number	Moisture Content (%)	Plastic Limit / Moisture Content / Liquid Limit (20 40 60 80)	VW33197	VW33201	VW33206	Elevation (m)
0	Diamond Drilling	OVERBURDEN		1						1368
6		GRANODIORITE - moderately oxidized to 66.14 m		2						1372
10				3						1374
12				4						1376
16				5						1378
18				6						1380
20										1382
22				7						1384
24				8						1386
26										
28				9						1388
30										

TETRA TECH EBA

Contractor: Platinum Drilling	Completion Depth: 377.04 m
Drilling Rig Type: Skid-mounted diesel-powered Zinex A-5	Start Date: 2015 July 4
Logged By: AC	Completion Date: 2015 July 4
Reviewed By: SK	Page 1 of 13

Rockhaven Resources Ltd.

Borehole No: **VWP15-02**

Project: Klaza Preliminary Hydrogeological Assessment	Project No: ENVMIN03054-01
Location: Klaza Property	Ground Elev: 1366.63 m
Klaza, Yukon	UTM: 382624 E; 6890299 N; Z 8

Depth Along Axis (m)	Method	Soil Description	Sample Type	Run Number	Moisture Content (%)	Plastic Limit / Moisture Content / Liquid Limit (20 40 60 80)	VW33197	VW33201	VW33206	Elevation (m)
30	Diamond Drilling			10						1390
32										
34				11						1392
36										
38				12						1394
40										
42				13						1396
44										
46				14						1398
48										
50				15						1400
52										
54				16						1402
56										
58				17						1404
60										
				18						1406
				19						1408
										1410
										1412

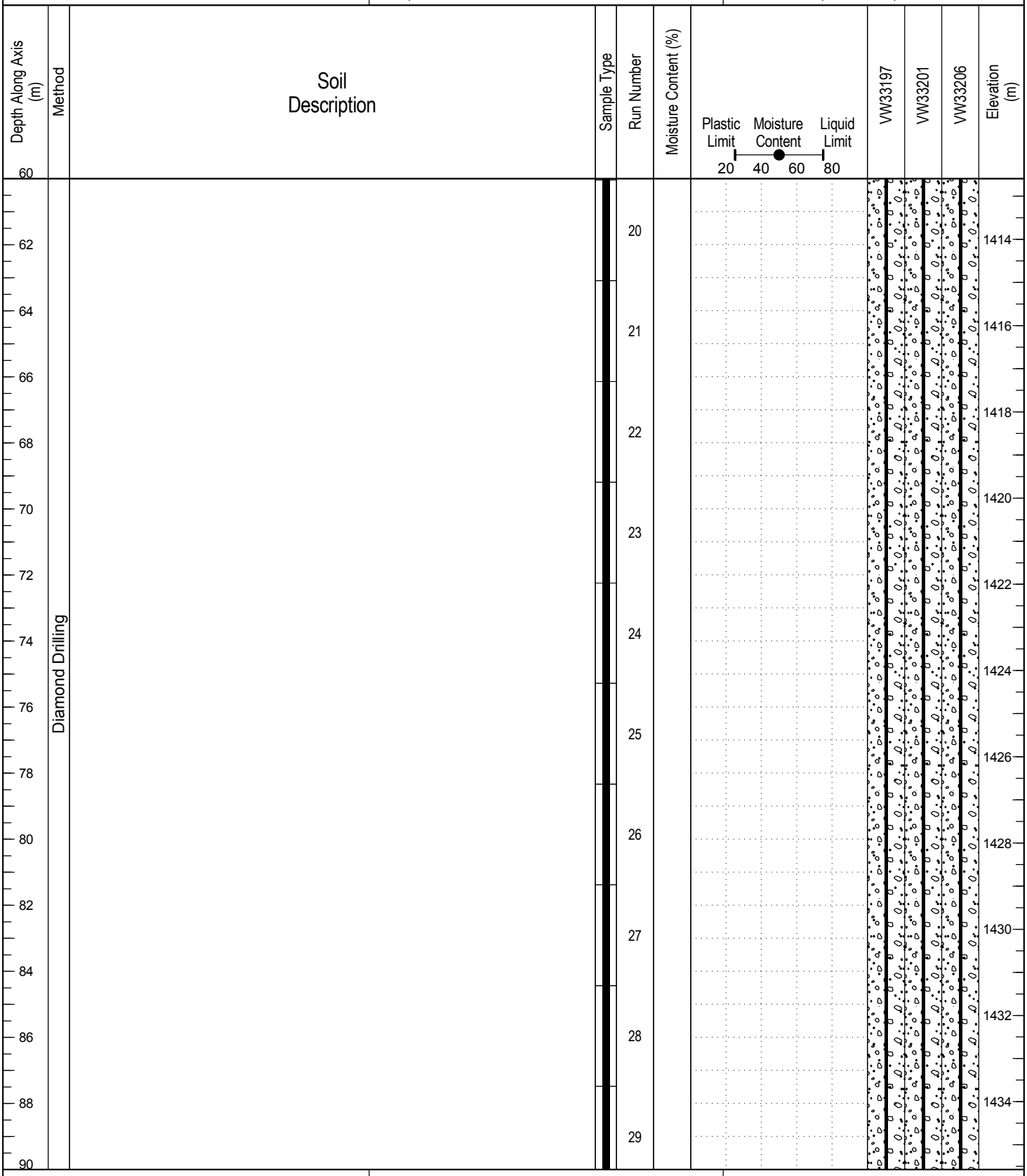
TETRA TECH EBA

Contractor: Platinum Drilling	Completion Depth: 377.04 m
Drilling Rig Type: Skid-mounted diesel-powered Zinex A-5	Start Date: 2015 July 4
Logged By: AC	Completion Date: 2015 July 4
Reviewed By: SK	Page 2 of 13

Rockhaven Resources Ltd.

Borehole No: **VWP15-02**

Project: Klaza Preliminary Hydrogeological Assessment	Project No: ENVMIN03054-01
Location: Klaza Property	Ground Elev: 1366.63 m
Klaza, Yukon	UTM: 382624 E; 6890299 N; Z 8



TETRA TECH EBA

Contractor: Platinum Drilling	Completion Depth: 377.04 m
Drilling Rig Type: Skid-mounted diesel-powered Zinex A-5	Start Date: 2015 July 4
Logged By: AC	Completion Date: 2015 July 4
Reviewed By: SK	Page 3 of 13

Rockhaven Resources Ltd.

Borehole No: **VWP15-02**

Project: Klaza Preliminary Hydrogeological Assessment	Project No: ENVMIN03054-01
Location: Klaza Property	Ground Elev: 1366.63 m
Klaza, Yukon	UTM: 382624 E; 6890299 N; Z 8

Depth Along Axis (m)	Method	Soil Description	Sample Type	Run Number	Moisture Content (%)	Plastic Limit / Moisture Content / Liquid Limit (20 40 60 80)	VW33197	VW33201	VW33206	Elevation (m)
90	Diamond Drilling									1436
92				30						1438
94				31						1440
96										
98				32						1442
100		- from 100.08 to 104.50 m, phyllic alteration		33						1444
102										
104		- from 104.50 to 110.48 m, potassic and argillic alteration - hosts multiple quartz-carbonate sulphide veins		34						1446
106				35						1448
108										
110				36						1450
112										1452
114				37						1454
116				38						1456
118										
120				39						1458

TETRA TECH EBA

Contractor: Platinum Drilling	Completion Depth: 377.04 m
Drilling Rig Type: Skid-mounted diesel-powered Zinex A-5	Start Date: 2015 July 4
Logged By: AC	Completion Date: 2015 July 4
Reviewed By: SK	Page 4 of 13

Rockhaven Resources Ltd.

Borehole No: **VWP15-02**

Project: Klaza Preliminary Hydrogeological Assessment	Project No: ENVMIN03054-01
Location: Klaza Property	Ground Elev: 1366.63 m
Klaza, Yukon	UTM: 382624 E; 6890299 N; Z 8

Depth Along Axis (m)	Method	Soil Description	Sample Type	Run Number	Moisture Content (%)	Plastic Limit / Moisture Content / Liquid Limit (20 40 60 80)	VW33197	VW33201	VW33206	Elevation (m)
120	Diamond Drilling	- from 129.4 to 132.75 m, phyllic alterations, hosting quartz-carbonate vein bearing sulphides		40						1460
122				41						1462
124				42						1464
126				43						1466
128				44						1468
130				45						1470
132				46						1472
134				47						1474
136				48						1476
138										1478
140										1480
142										
144										
146										
148										
150										

TETRA TECH EBA

Contractor: Platinum Drilling	Completion Depth: 377.04 m
Drilling Rig Type: Skid-mounted diesel-powered Zinex A-5	Start Date: 2015 July 4
Logged By: AC	Completion Date: 2015 July 4
Reviewed By: SK	Page 5 of 13

Rockhaven Resources Ltd.

Borehole No: **VWP15-02**

Project: Klaza Preliminary Hydrogeological Assessment	Project No: ENVMIN03054-01
Location: Klaza Property	Ground Elev: 1366.63 m
Klaza, Yukon	UTM: 382624 E; 6890299 N; Z 8

Depth Along Axis (m)	Method	Soil Description	Sample Type	Run Number	Moisture Content (%)	Plastic Limit / Moisture Content / Liquid Limit (20 40 60 80)	VW33197	VW33201	VW33206	Elevation (m)
150	Diamond Drilling	- from 159.14 to 164.6 m, phyllic alterations, veins of quartz/carbonate and massive sulphides		49						1482
152										
154				50						1484
156										
158				51						1486
160										
162				52						1488
164										
166				53						1490
168										
170				54						1492
172										
174				55						1494
176										
178				56						1496
180										
				57						1498
				58						1500
										1502
										1504

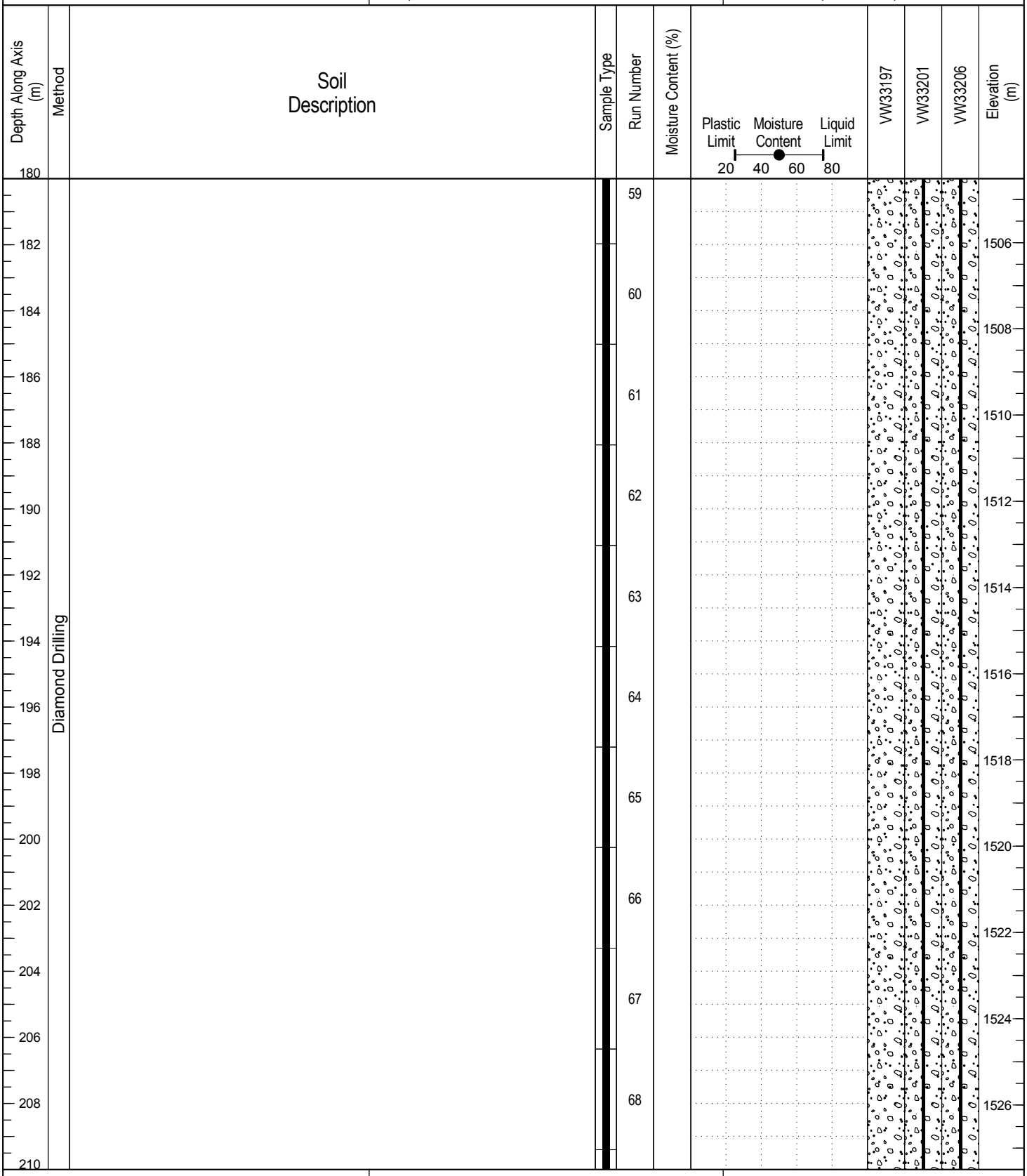
TETRA TECH EBA

Contractor: Platinum Drilling	Completion Depth: 377.04 m
Drilling Rig Type: Skid-mounted diesel-powered Zinex A-5	Start Date: 2015 July 4
Logged By: AC	Completion Date: 2015 July 4
Reviewed By: SK	Page 6 of 13

Rockhaven Resources Ltd.

Borehole No: **VWP15-02**

Project: Klaza Preliminary Hydrogeological Assessment	Project No: ENVMIN03054-01
Location: Klaza Property	Ground Elev: 1366.63 m
Klaza, Yukon	UTM: 382624 E; 6890299 N; Z 8



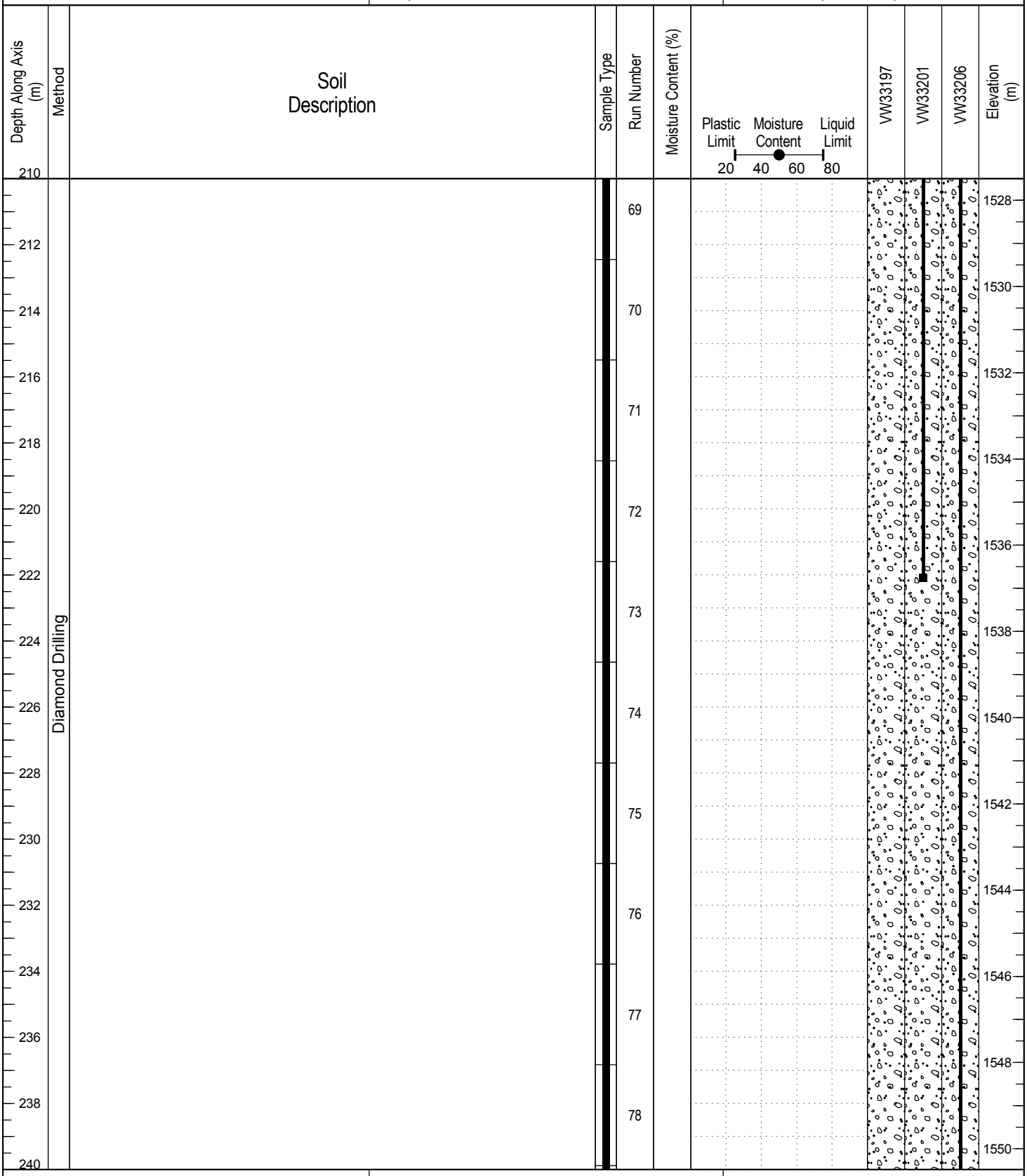
TETRA TECH EBA

Contractor: Platinum Drilling	Completion Depth: 377.04 m
Drilling Rig Type: Skid-mounted diesel-powered Zinex A-5	Start Date: 2015 July 4
Logged By: AC	Completion Date: 2015 July 4
Reviewed By: SK	Page 7 of 13

Rockhaven Resources Ltd.

Borehole No: **VWP15-02**

Project: Klaza Preliminary Hydrogeological Assessment	Project No: ENVMIN03054-01
Location: Klaza Property	Ground Elev: 1366.63 m
Klaza, Yukon	UTM: 382624 E; 6890299 N; Z 8



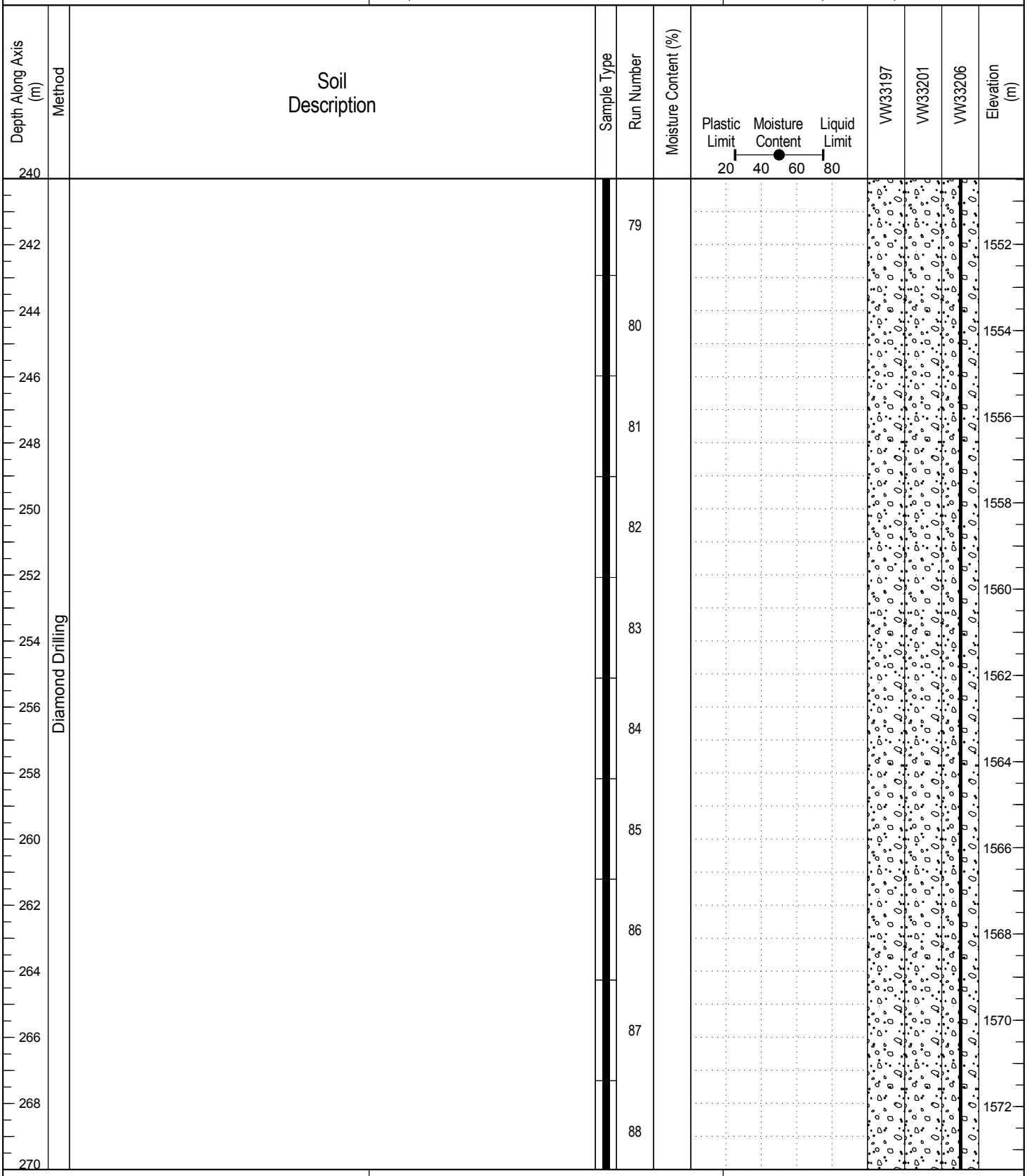
TETRA TECH EBA

Contractor: Platinum Drilling	Completion Depth: 377.04 m
Drilling Rig Type: Skid-mounted diesel-powered Zinex A-5	Start Date: 2015 July 4
Logged By: AC	Completion Date: 2015 July 4
Reviewed By: SK	Page 8 of 13

Rockhaven Resources Ltd.

Borehole No: **VWP15-02**

Project: Klaza Preliminary Hydrogeological Assessment	Project No: ENVMIN03054-01
Location: Klaza Property	Ground Elev: 1366.63 m
Klaza, Yukon	UTM: 382624 E; 6890299 N; Z 8



TETRA TECH EBA

Contractor: Platinum Drilling	Completion Depth: 377.04 m
Drilling Rig Type: Skid-mounted diesel-powered Zinex A-5	Start Date: 2015 July 4
Logged By: AC	Completion Date: 2015 July 4
Reviewed By: SK	Page 9 of 13

Rockhaven Resources Ltd.

Borehole No: **VWP15-02**

Project: Klaza Preliminary Hydrogeological Assessment	Project No: ENVMIN03054-01
Location: Klaza Property	Ground Elev: 1366.63 m
Klaza, Yukon	UTM: 382624 E; 6890299 N; Z 8

Depth Along Axis (m)	Method	Soil Description	Sample Type	Run Number	Moisture Content (%)	Plastic Limit / Moisture Content / Liquid Limit (20 40 60 80)	VW33197	VW33201	VW33206	Elevation (m)
270										
272				89						1574
274										1576
276				90						1578
278		QUARTZ FELDSPAR PORPHYRY DYKE		91						1580
280										
282				92						1582
284	Diamond Drilling	GRANODIORITE		93						1584
286		QUARTZ FELDSPAR PORPHYRY DYKE								1586
288				94						
290				95						1588
292		GRANODIORITE - gouge altered, smoky quartz sulphide breccia								1590
294		QUARTZ FELDSPAR PORPHYRY DYKE		96						1592
296		GRANODIORITE		97						1594
298		- at 298.52 m, 0.40 m thick Central Klaza zone vein hosting disseminated pyrite, arsenopyrite, sphalerite and galena								
300				98						1596

TETRA TECH EBA

Contractor: Platinum Drilling	Completion Depth: 377.04 m
Drilling Rig Type: Skid-mounted diesel-powered Zinex A-5	Start Date: 2015 July 4
Logged By: AC	Completion Date: 2015 July 4
Reviewed By: SK	Page 10 of 13

Rockhaven Resources Ltd.

Borehole No: **VWP15-02**

Project: Klaza Preliminary Hydrogeological Assessment	Project No: ENVMIN03054-01
Location: Klaza Property	Ground Elev: 1366.63 m
Klaza, Yukon	UTM: 382624 E; 6890299 N; Z 8

Depth Along Axis (m)	Method	Soil Description	Sample Type	Run Number	Moisture Content (%)	Plastic Limit / Moisture Content / Liquid Limit (20 40 60 80)	VW33197	VW33201	VW33206	Elevation (m)
300										
302				99						1598
304										
306				100						1600
308										
310		- from 308.85 to 312.32 m, propylitic alteration		101						1602
312										
314	Diamond Drilling	QUARTZ FELDSPAR PORPHYRY DYKE		102						1604
316										
318				103						1606
320										
322				104						1608
324		GRANODIORITE - from 324.29 to 328.56 m, propylitic alteration		105						1610
326										
328				106						1612
330										
				107						1614
				108						1616
										1618

TETRA TECH EBA

Contractor: Platinum Drilling	Completion Depth: 377.04 m
Drilling Rig Type: Skid-mounted diesel-powered Zinex A-5	Start Date: 2015 July 4
Logged By: AC	Completion Date: 2015 July 4
Reviewed By: SK	Page 11 of 13

Rockhaven Resources Ltd.

Borehole No: **VWP15-02**

Project: Klaza Preliminary Hydrogeological Assessment	Project No: ENVMIN03054-01
Location: Klaza Property	Ground Elev: 1366.63 m
Klaza, Yukon	UTM: 382624 E; 6890299 N; Z 8

Depth Along Axis (m)	Method	Soil Description	Sample Type	Run Number	Moisture Content (%)	Plastic Limit / Moisture Content / Liquid Limit (20 40 60 80)	VW33197	VW33201	VW33206	Elevation (m)
330	Diamond Drilling									1620
332				109						1622
334										
336				110						1624
338										
340				111						1626
342										1628
344				112						
346										1630
348				113						
350		- at 349.00 m, bit change		114						1632
352										1634
354				115						
356		- from 355.97 to 357.61 m, veins of quartz, carbonates and sulphides		116						1636
358		BRECCIA - polymictic Central Klaza zone breccia with pyrite, arsenopyrite, ankerite, sphalerite and galena		117						1638
360		GRANODIORITE - phyllic alteration to 361.12 m with few veins of quartz carbonate bearing sulphides								1640
										1642

TETRA TECH EBA

Contractor: Platinum Drilling	Completion Depth: 377.04 m
Drilling Rig Type: Skid-mounted diesel-powered Zinex A-5	Start Date: 2015 July 4
Logged By: AC	Completion Date: 2015 July 4
Reviewed By: SK	Page 12 of 13

Rockhaven Resources Ltd.

Borehole No: **VWP15-02**

Project: Klaza Preliminary Hydrogeological Assessment	Project No: ENVMIN03054-01
Location: Klaza Property	Ground Elev: 1366.63 m
Klaza, Yukon	UTM: 382624 E; 6890299 N; Z 8

Depth Along Axis (m)	Method	Soil Description	Sample Type	Run Number	Moisture Content (%)	Plastic Limit / Moisture Content / Liquid Limit (20 40 60 80)	VW33197	VW33201	VW33206	Elevation (m)
360	Diamond Drilling			118						1644
362										
364				119						1646
366				120						1648
368										
370				121						1650
372				122						1652
374										
376				123						1654
378		END OF BOREHOLE (377.04 metres) Vibrating Wire VW33206 installed to 370.94 metres Pressure rating: 5.0 MPa; 8792.7 B Temperature: 9.1° C Vibrating Wire VW33201 installed to 222.20 metres Pressure rating: 3.0 MPa; 8837.9 B Temperature: 8.8° C Vibrating Wire VW33197 installed to 104.246 metres Pressure rating: 3.0 MPa; 8793.0 B Temperature: 7.0° C								1656
380										1658
382										1660
384										
386										1662
388										1664
390										

TETRA TECH EBA

Contractor: Platinum Drilling	Completion Depth: 377.04 m
Drilling Rig Type: Skid-mounted diesel-powered Zinex A-5	Start Date: 2015 July 4
Logged By: AC	Completion Date: 2015 July 4
Reviewed By: SK	Page 13 of 13

Rockhaven Resources Ltd.

Borehole No: **VWP15-03**

Project: Klaza Preliminary Hydrogeological Assessment	Project No: ENVMIN03054-01
Location: Klaza Property	Ground Elev: 1302.7 m
Klaza, Yukon	UTM: 382243 E; 6890654 N; Z 8

Depth Along Axis (m)	Method	Soil Description	Sample Type	Run Number	Moisture Content (%)	Plastic Limit / Moisture Content / Liquid Limit (20 40 60 80)	VW33195	VW33199	VW33205	Elevation (m)
0	Diamond Drilling	OVERBURDEN		1						1304
2		GRANODIORITE - argillic alteration		2						1306
4				3						1308
6				4						1310
8				5						1312
10				6						1314
12				7						1316
14				8						1318
16				9						1320
18				10						1322
20		- at 20.42 m, phyllic oxidation								1324
22										
24										
26										
28		- at 28.44 m, oxidized fractures								
30										

TETRA TECH EBA

Contractor: Platinum Drilling	Completion Depth: 334.37 m
Drilling Rig Type: Skid-mounted diesel-powered Zinex A-5	Start Date: 2015 June 29
Logged By: AC	Completion Date: 2015 June 30
Reviewed By: SK	Page 1 of 12

Rockhaven Resources Ltd.

Borehole No: **VWP15-03**

Project: Klaza Preliminary Hydrogeological Assessment	Project No: ENVMIN03054-01
Location: Klaza Property	Ground Elev: 1302.7 m
Klaza, Yukon	UTM: 382243 E; 6890654 N; Z 8

Depth Along Axis (m)	Method	Soil Description	Sample Type	Run Number	Moisture Content (%)	Plastic Limit / Moisture Content / Liquid Limit (20 40 60 80)	VW33195	VW33199	VW33205	Elevation (m)
30	Diamond Drilling	- at 34.95 m, strong oxidation		11						1326
32										
34				12						1328
36										1330
38				13						1332
40				14						1334
42										
44				15						1336
46				16						1338
48										
50				17						1340
52				18						1342
54										1344
56				19						1346
58										
60				20						1348

TETRA TECH EBA

Contractor: Platinum Drilling	Completion Depth: 334.37 m
Drilling Rig Type: Skid-mounted diesel-powered Zinex A-5	Start Date: 2015 June 29
Logged By: AC	Completion Date: 2015 June 30
Reviewed By: SK	Page 2 of 12

Rockhaven Resources Ltd.

Borehole No: **VWP15-03**

Project: Klaza Preliminary Hydrogeological Assessment	Project No: ENVMIN03054-01
Location: Klaza Property	Ground Elev: 1302.7 m
Klaza, Yukon	UTM: 382243 E; 6890654 N; Z 8

Depth Along Axis (m)	Method	Soil Description	Sample Type	Run Number	Moisture Content (%)	Plastic Limit / Moisture Content / Liquid Limit (20 40 60 80)	VW33195	VW33199	VW33205	Elevation (m)
60	Diamond Drilling	QUARTZ FELDSPAR PORPHYRY DYKE		21						1350
62										
64				22						1352
66										
68		GRANODIORITE - phyllic alteration		23						1354
70										
72				24						1356
74										
76				25						1358
78										
80				26						1360
82										
84				27						1362
86										
88				28						1364
90										
				29						1366
				30						1368
										1370

TETRA TECH EBA

Contractor: Platinum Drilling	Completion Depth: 334.37 m
Drilling Rig Type: Skid-mounted diesel-powered Zinex A-5	Start Date: 2015 June 29
Logged By: AC	Completion Date: 2015 June 30
Reviewed By: SK	Page 3 of 12

Rockhaven Resources Ltd.

Borehole No: **VWP15-03**

Project: Klaza Preliminary Hydrogeological Assessment	Project No: ENVMIN03054-01
Location: Klaza Property	Ground Elev: 1302.7 m
Klaza, Yukon	UTM: 382243 E; 6890654 N; Z 8

Depth Along Axis (m)	Method	Soil Description	Sample Type	Run Number	Moisture Content (%)	Plastic Limit / Moisture Content / Liquid Limit (20 40 60 80)	VW33195	VW33199	VW33205	Elevation (m)
90	Diamond Drilling									1372
92				31						1374
94				32						1376
96										
98				33						1378
100				34						1380
102										
104				35						1382
106										1384
108				36						
110				37						1386
112										1388
114				38						1390
116				39						1392
118										
120				40						1394

TETRA TECH EBA

Contractor: Platinum Drilling	Completion Depth: 334.37 m
Drilling Rig Type: Skid-mounted diesel-powered Zinex A-5	Start Date: 2015 June 29
Logged By: AC	Completion Date: 2015 June 30
Reviewed By: SK	Page 4 of 12

Rockhaven Resources Ltd.

Borehole No: **VWP15-03**

Project: Klaza Preliminary Hydrogeological Assessment	Project No: ENVMIN03054-01
Location: Klaza Property	Ground Elev: 1302.7 m
Klaza, Yukon	UTM: 382243 E; 6890654 N; Z 8

Depth Along Axis (m)	Method	Soil Description	Sample Type	Run Number	Moisture Content (%)	Plastic Limit / Moisture Content / Liquid Limit (20 40 60 80)	VW33195	VW33199	VW33205	Elevation (m)
120										
122				41						1396
124										
126				42						1398
128										
130				43						1400
132	Diamond Drilling	- from 130.15 to 160.63 m, very broken, 40% of interval made up of rubble or clay rich fragments		44						1402
134										1404
136				45						1406
138										1408
140				46						1410
142										1412
144				47						1414
146										1416
148				48						
150		- from 148.44 to 151.49 m, Cave-Packer test. Few metres of extra 'mud' material		49						

TETRA TECH EBA

Contractor: Platinum Drilling	Completion Depth: 334.37 m
Drilling Rig Type: Skid-mounted diesel-powered Zinex A-5	Start Date: 2015 June 29
Logged By: AC	Completion Date: 2015 June 30
Reviewed By: SK	Page 5 of 12

Rockhaven Resources Ltd.

Borehole No: **VWP15-03**

Project: Klaza Preliminary Hydrogeological Assessment	Project No: ENVMIN03054-01
Location: Klaza Property	Ground Elev: 1302.7 m
Klaza, Yukon	UTM: 382243 E; 6890654 N; Z 8

Depth Along Axis (m)	Method	Soil Description	Sample Type	Run Number	Moisture Content (%)	Plastic Limit / Moisture Content / Liquid Limit (20 40 60 80)	VW33195	VW33199	VW33205	Elevation (m)
150	Diamond Drilling	QUARTZ FELDSPAR PORPHYRY DYKE		50						1418
152				51						1420
154										
156				52						1422
158										
160				53						1424
162										
164				54						1426
166										
168				55						1428
170										
172		GRANODIORITE		56						1430
174										
176				57						1432
178										
180				58						1434
										1436
				59						1438
										1440

TETRA TECH EBA

Contractor: Platinum Drilling	Completion Depth: 334.37 m
Drilling Rig Type: Skid-mounted diesel-powered Zinex A-5	Start Date: 2015 June 29
Logged By: AC	Completion Date: 2015 June 30
Reviewed By: SK	Page 6 of 12

Rockhaven Resources Ltd.

Borehole No: **VWP15-03**

Project: Klaza Preliminary Hydrogeological Assessment	Project No: ENVMIN03054-01
Location: Klaza Property	Ground Elev: 1302.7 m
Klaza, Yukon	UTM: 382243 E; 6890654 N; Z 8

Depth Along Axis (m)	Method	Soil Description	Sample Type	Run Number	Moisture Content (%)	Plastic Limit / Moisture Content / Liquid Limit (20 40 60 80)	VW33195	VW33199	VW33205	Elevation (m)
180										
182				60						1442
184				61						1444
186				62						1446
188		QUARTZ FELDSPAR PORPHYRY DYKE								
190				63						1448
		GRANODIORITE								
192				64						1450
194	Diamond Drilling									
196				65						1452
198										1454
200				66						1456
202				67						1458
204										
206				68						1460
208				69						1462
210		- potassic/argillic alteration								

TETRA TECH EBA

Contractor: Platinum Drilling	Completion Depth: 334.37 m
Drilling Rig Type: Skid-mounted diesel-powered Zinex A-5	Start Date: 2015 June 29
Logged By: AC	Completion Date: 2015 June 30
Reviewed By: SK	Page 7 of 12

Rockhaven Resources Ltd.

Borehole No: **VWP15-03**

Project: Klaza Preliminary Hydrogeological Assessment	Project No: ENVMIN03054-01
Location: Klaza Property	Ground Elev: 1302.7 m
Klaza, Yukon	UTM: 382243 E; 6890654 N; Z 8

Depth Along Axis (m)	Method	Soil Description	Sample Type	Run Number	Moisture Content (%)	Plastic Limit / Moisture Content / Liquid Limit (20 40 60 80)	VW33195	VW33199	VW33205	Elevation (m)
210										
212	Diamond Drilling	QUARTZ FELDSPAR PORPHYRY DYKE		70						1464
214		GRANODIORITE		71						1466
216				72						1468
218										
220				73						1470
222		QUARTZ FELDSPAR PORPHYRY DYKE GRANODIORITE - phyllic alteration, host polymetallic Western Klaza vein		74						1472
224										1474
226				75						1476
228										
230				76						1478
232				77						1480
234										1482
236				78						
238										1484
240				79						1486

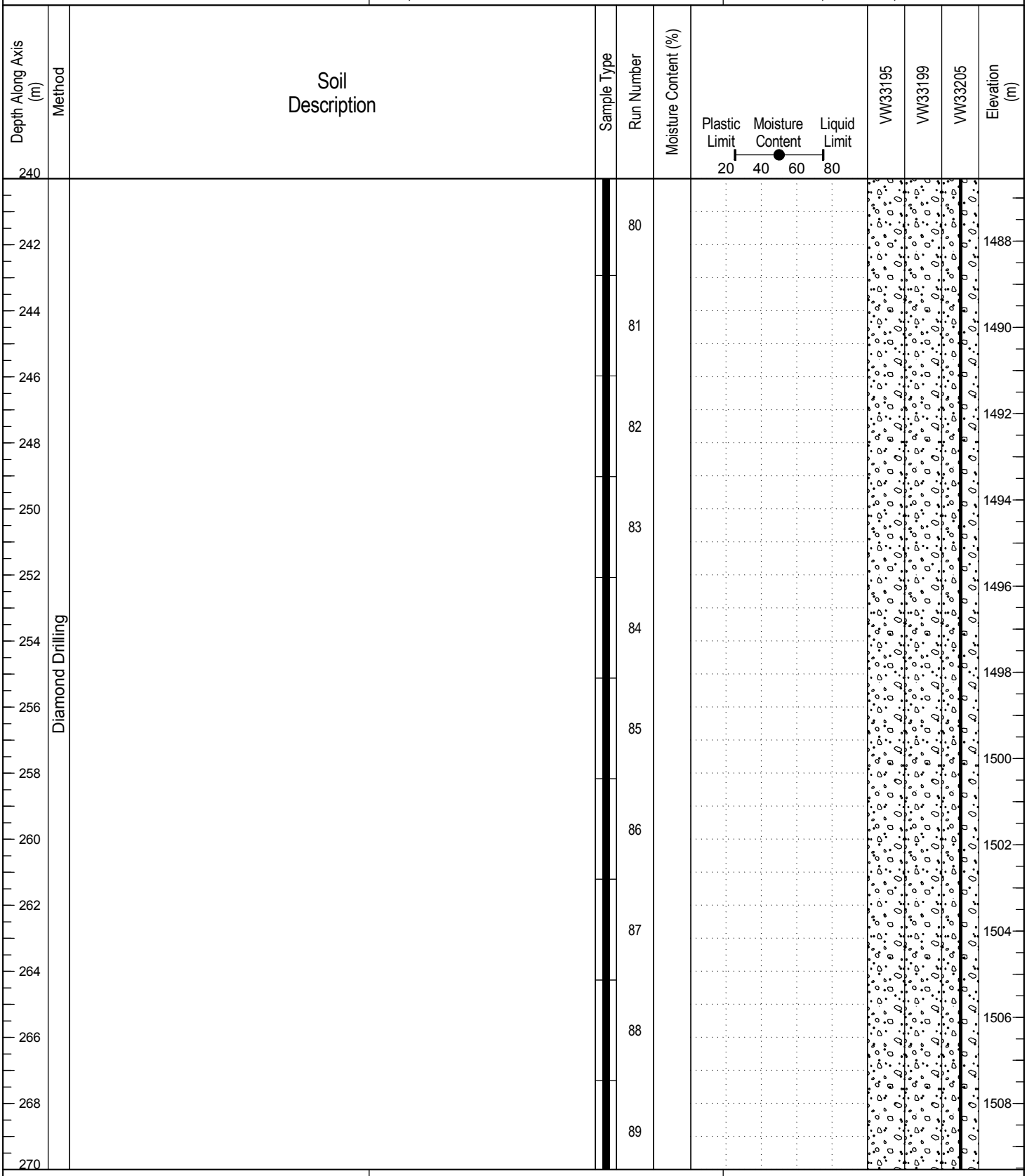
TETRA TECH EBA

Contractor: Platinum Drilling	Completion Depth: 334.37 m
Drilling Rig Type: Skid-mounted diesel-powered Zinex A-5	Start Date: 2015 June 29
Logged By: AC	Completion Date: 2015 June 30
Reviewed By: SK	Page 8 of 12

Rockhaven Resources Ltd.

Borehole No: **VWP15-03**

Project: Klaza Preliminary Hydrogeological Assessment	Project No: ENVMIN03054-01
Location: Klaza Property	Ground Elev: 1302.7 m
Klaza, Yukon	UTM: 382243 E; 6890654 N; Z 8



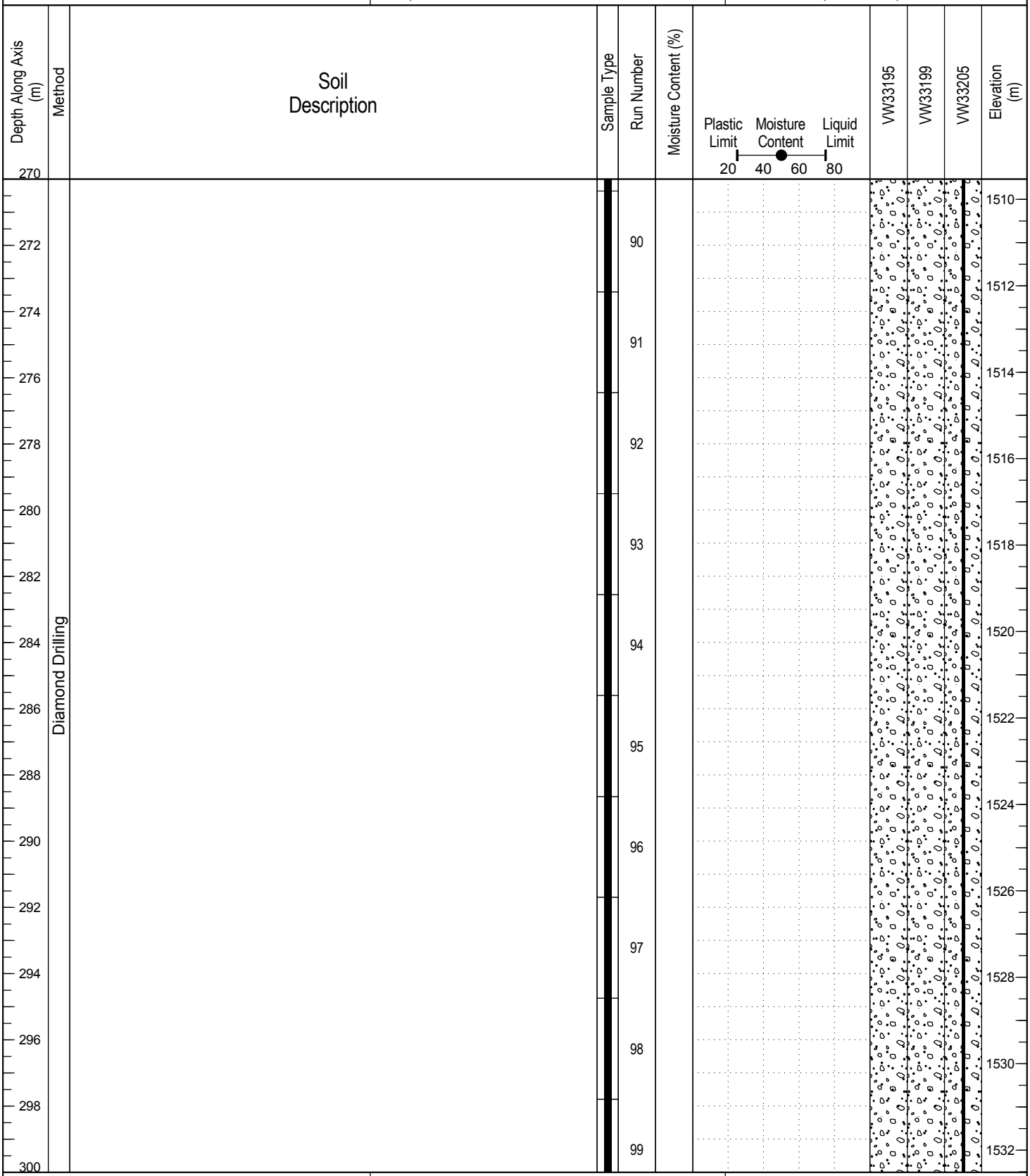
TETRA TECH EBA

Contractor: Platinum Drilling	Completion Depth: 334.37 m
Drilling Rig Type: Skid-mounted diesel-powered Zinex A-5	Start Date: 2015 June 29
Logged By: AC	Completion Date: 2015 June 30
Reviewed By: SK	Page 9 of 12

Rockhaven Resources Ltd.

Borehole No: **VWP15-03**

Project: Klaza Preliminary Hydrogeological Assessment	Project No: ENVMIN03054-01
Location: Klaza Property	Ground Elev: 1302.7 m
Klaza, Yukon	UTM: 382243 E; 6890654 N; Z 8



TETRA TECH EBA

Contractor: Platinum Drilling	Completion Depth: 334.37 m
Drilling Rig Type: Skid-mounted diesel-powered Zinex A-5	Start Date: 2015 June 29
Logged By: AC	Completion Date: 2015 June 30
Reviewed By: SK	Page 10 of 12

Rockhaven Resources Ltd.

Borehole No: **VWP15-03**

Project: Klaza Preliminary Hydrogeological Assessment	Project No: ENVMIN03054-01
Location: Klaza Property	Ground Elev: 1302.7 m
Klaza, Yukon	UTM: 382243 E; 6890654 N; Z 8

Depth Along Axis (m)	Method	Soil Description	Sample Type	Run Number	Moisture Content (%)	Plastic Limit / Moisture Content / Liquid Limit (20 40 60 80)	VW33195	VW33199	VW33205	Elevation (m)
300	Diamond Drilling	- at 317.00 m, 0.54 m thick western Klaza zone vein with polymetallic crackle breccia - moderate phyllic alteration		100						1534
302				101						1536
304				102						1538
306				103						1540
308				104						1542
310				105						1544
312				106						1546
314				107						1548
316				108						1550
318				109						1552
320										1554
322										
324										
326										
328										
330										

TETRA TECH EBA

Contractor: Platinum Drilling	Completion Depth: 334.37 m
Drilling Rig Type: Skid-mounted diesel-powered Zinex A-5	Start Date: 2015 June 29
Logged By: AC	Completion Date: 2015 June 30
Reviewed By: SK	Page 11 of 12

Rockhaven Resources Ltd.

Borehole No: **VWP15-03**

Project: Klaza Preliminary Hydrogeological Assessment	Project No: ENVMIN03054-01
Location: Klaza Property	Ground Elev: 1302.7 m
Klaza, Yukon	UTM: 382243 E; 6890654 N; Z 8

Depth Along Axis (m)	Method	Soil Description	Sample Type	Run Number	Moisture Content (%)	Plastic Limit / Moisture Content / Liquid Limit (20 40 60 80)	VW33195	VW33199	VW33205	Elevation (m)
330										
332	Diamond Drilling			110						1556
334										1558
336		END OF BOREHOLE (334.37 metres) Vibrating Wire VW33205 installed to 319.47 metres Pressure rating: 5.0 MPa; 8814.4 B Temperature: 8.4° C Vibrating Wire VW33199 installed to 182.31 metres Pressure rating: 3.0 MPa; 8871.6 B Temperature: 9.1° C Vibrating Wire VW33195 installed to 63.43 metres Pressure rating: 3.0 MPa; 8910.6 B Temperature: 9.2° C								1560
338										1562
340										1564
342										1566
344										1568
346										1570
348										1572
350										1574
352										1576
354										1578
356										
358										
360										

TETRA TECH EBA

Contractor: Platinum Drilling	Completion Depth: 334.37 m
Drilling Rig Type: Skid-mounted diesel-powered Zinex A-5	Start Date: 2015 June 29
Logged By: AC	Completion Date: 2015 June 30
Reviewed By: SK	Page 12 of 12

Rockhaven Resources Ltd.

Borehole No: **VWP15-04**

Project: Klaza Preliminary Hydrogeological Assessment	Project No: ENVMIN03054-01
Location: Klaza Property	Ground Elev: 1302.81 m
Klaza, Yukon	UTM: 381695 E; 6889914 N; Z 8

Depth Along Axis (m)	Method	Soil Description	Sample Type	Run Number	Moisture Content (%)	Plastic Limit / Moisture Content / Liquid Limit (20 40 60 80)	VW33196	VW33198	VW33203	Elevation (m)
0	Diamond Drilling	OVERBURDEN		1						1304
4		GRANODIORITE - highly fractured and oxidized to 13.2 m		2						1306
6				3						1308
10				4						1310
12				5						1312
14		- vein of breccia hosting pyrite sphalerite - from 14.24 to 22.32 m, highly fractured and oxidized								1314
16				6						1316
20				7						1318
22				8						1320
26				9						1322
28				10						1324
30										

TETRA TECH EBA

Contractor: Platinum Drilling	Completion Depth: 306.93 m
Drilling Rig Type: Skid-mounted diesel-powered Zinex A-5	Start Date: 2015 July 3
Logged By: AC	Completion Date: 2015 July 3
Reviewed By: SK	Page 1 of 11

Rockhaven Resources Ltd.

Borehole No: **VWP15-04**

Project: Klaza Preliminary Hydrogeological Assessment	Project No: ENVMIN03054-01
Location: Klaza Property	Ground Elev: 1302.81 m
Klaza, Yukon	UTM: 381695 E; 6889914 N; Z 8

Depth Along Axis (m)	Method	Soil Description	Sample Type	Run Number	Moisture Content (%)	Plastic Limit / Moisture Content / Liquid Limit (20 40 60 80)	VW33196	VW33198	VW33203	Elevation (m)
30	Diamond Drilling			11						1326
32										1328
34				12						1330
36										
38				13						1332
40										
42				14						1334
44										
46				15						1336
48										
50				16						1338
52										
54				17						1340
56										
58				18						1342
60										
				19						1344
				20						1346
										1348

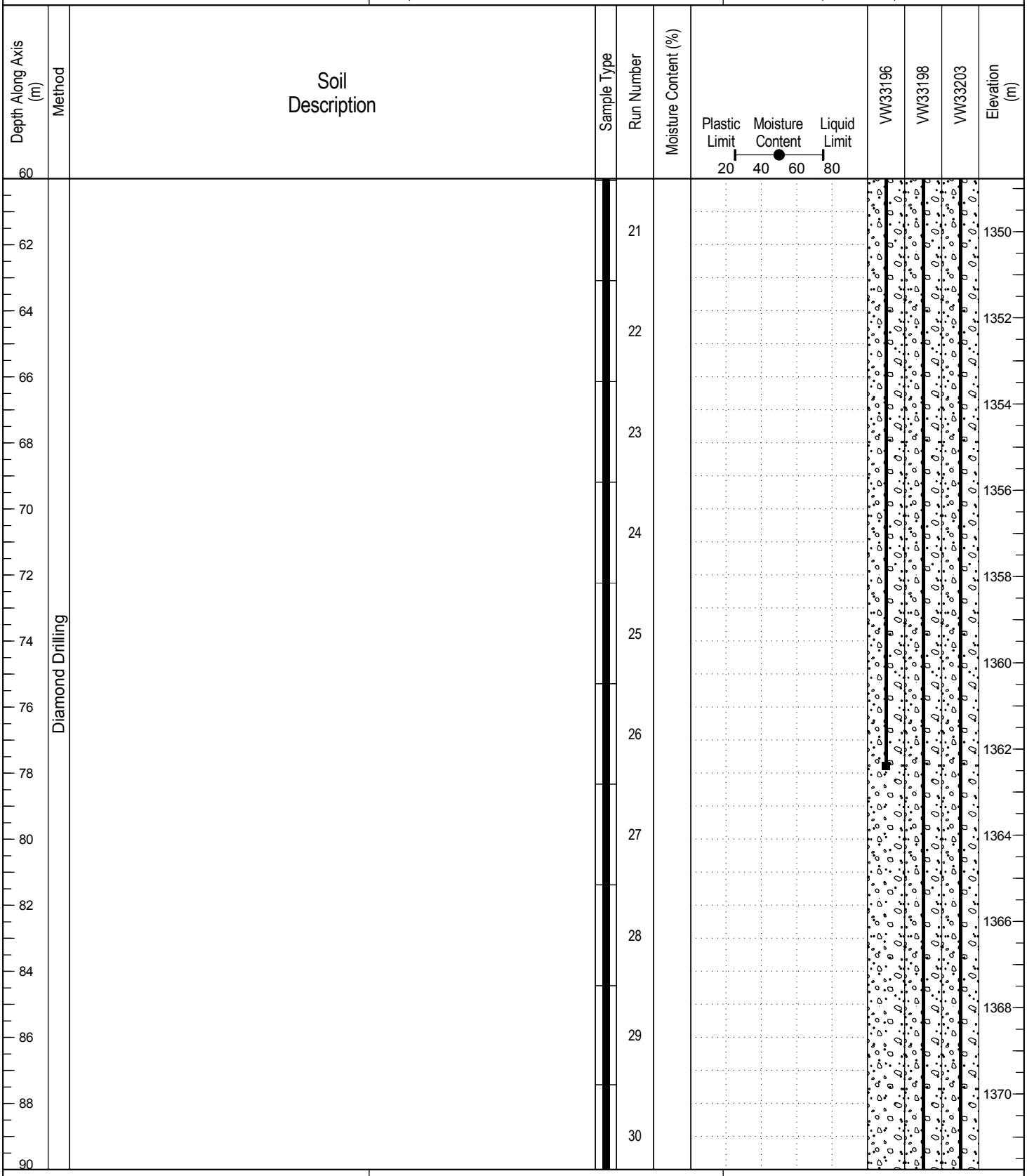
TETRA TECH EBA

Contractor: Platinum Drilling	Completion Depth: 306.93 m
Drilling Rig Type: Skid-mounted diesel-powered Zinex A-5	Start Date: 2015 July 3
Logged By: AC	Completion Date: 2015 July 3
Reviewed By: SK	Page 2 of 11

Rockhaven Resources Ltd.

Borehole No: **VWP15-04**

Project: Klaza Preliminary Hydrogeological Assessment	Project No: ENVMIN03054-01
Location: Klaza Property	Ground Elev: 1302.81 m
Klaza, Yukon	UTM: 381695 E; 6889914 N; Z 8



TETRA TECH EBA

Contractor: Platinum Drilling	Completion Depth: 306.93 m
Drilling Rig Type: Skid-mounted diesel-powered Zinex A-5	Start Date: 2015 July 3
Logged By: AC	Completion Date: 2015 July 3
Reviewed By: SK	Page 3 of 11

Rockhaven Resources Ltd.

Borehole No: **VWP15-04**

Project: Klaza Preliminary Hydrogeological Assessment	Project No: ENVMIN03054-01
Location: Klaza Property	Ground Elev: 1302.81 m
Klaza, Yukon	UTM: 381695 E; 6889914 N; Z 8

Depth Along Axis (m)	Method	Soil Description	Sample Type	Run Number	Moisture Content (%)	Plastic Limit / Moisture Content / Liquid Limit (20 40 60 80)	VW33196	VW33198	VW33203	Elevation (m)
90	Diamond Drilling									1372
92				31						1374
94				32						1376
96										
98				33						1378
100				34						1380
102										
104				35						1382
106				36						1384
108										
110				37						1386
112										1388
114		- from 113.37 to 116.08 m, highly fractured		38						1390
116		- quartz carbonate veinlets hosting pyrite		39						1392
118										
120				40						1394

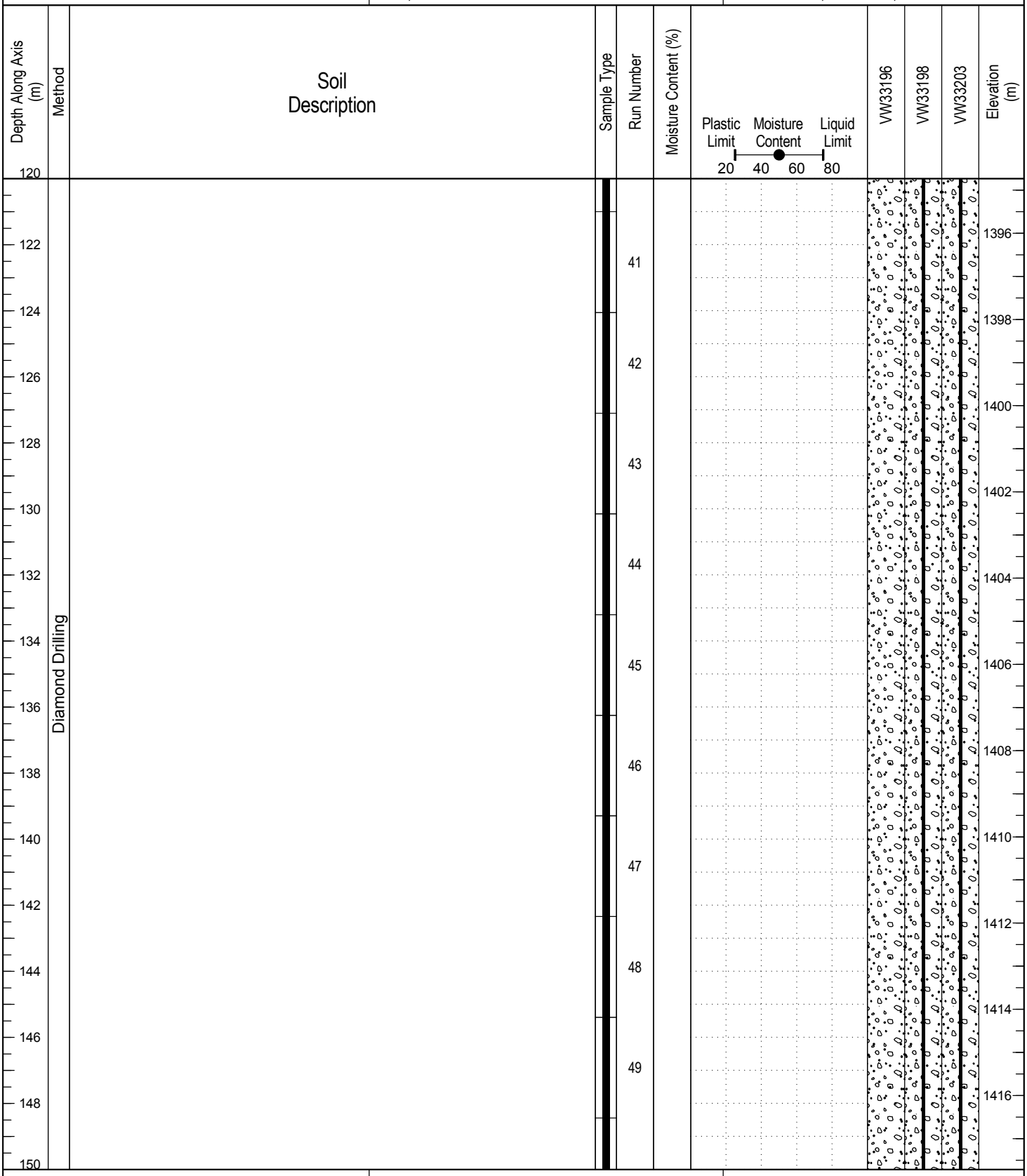
TETRA TECH EBA

Contractor: Platinum Drilling	Completion Depth: 306.93 m
Drilling Rig Type: Skid-mounted diesel-powered Zinex A-5	Start Date: 2015 July 3
Logged By: AC	Completion Date: 2015 July 3
Reviewed By: SK	Page 4 of 11

Rockhaven Resources Ltd.

Borehole No: **VWP15-04**

Project: Klaza Preliminary Hydrogeological Assessment	Project No: ENVMIN03054-01
Location: Klaza Property	Ground Elev: 1302.81 m
Klaza, Yukon	UTM: 381695 E; 6889914 N; Z 8



TETRA TECH EBA

Contractor: Platinum Drilling	Completion Depth: 306.93 m
Drilling Rig Type: Skid-mounted diesel-powered Zinex A-5	Start Date: 2015 July 3
Logged By: AC	Completion Date: 2015 July 3
Reviewed By: SK	Page 5 of 11

Rockhaven Resources Ltd.

Borehole No: **VWP15-04**

Project: Klaza Preliminary Hydrogeological Assessment	Project No: ENVMIN03054-01
Location: Klaza Property	Ground Elev: 1302.81 m
Klaza, Yukon	UTM: 381695 E; 6889914 N; Z 8

Depth Along Axis (m)	Method	Soil Description	Sample Type	Run Number	Moisture Content (%)	Plastic Limit / Moisture Content / Liquid Limit (20 40 60 80)	VW33196	VW33198	VW33203	Elevation (m)
150	Diamond Drilling	- from 164.11 to 166.94 m, fault zone with clay alteration		50						1418
152				51						1420
154										
156				52						1422
158										1424
160				53						
162										1426
164				54						1428
166				55						1430
168										
170				56						1432
172										1434
174				57						1436
176				58						1438
178										
180				59						1440

TETRA TECH EBA

Contractor: Platinum Drilling	Completion Depth: 306.93 m
Drilling Rig Type: Skid-mounted diesel-powered Zinex A-5	Start Date: 2015 July 3
Logged By: AC	Completion Date: 2015 July 3
Reviewed By: SK	Page 6 of 11

Rockhaven Resources Ltd.

Borehole No: **VWP15-04**

Project: Klaza Preliminary Hydrogeological Assessment	Project No: ENVMIN03054-01
Location: Klaza Property	Ground Elev: 1302.81 m
Klaza, Yukon	UTM: 381695 E; 6889914 N; Z 8

Depth Along Axis (m)	Method	Soil Description	Sample Type	Run Number	Moisture Content (%)	Plastic Limit / Moisture Content / Liquid Limit (20 40 60 80)	VW33196	VW33198	VW33203	Elevation (m)
180	Diamond Drilling	- from 187.35 to 192.89 m, quartz veins rich in ankerite and sphalerite		60						1442
182				61						1444
184				62						1446
186				63						1448
188				64						1450
190				65						1452
192				66						1454
194				67						1456
196				68						1458
198				69						1460
200										1462
202										
204										
206										
208										
210										

TETRA TECH EBA

Contractor: Platinum Drilling	Completion Depth: 306.93 m
Drilling Rig Type: Skid-mounted diesel-powered Zinex A-5	Start Date: 2015 July 3
Logged By: AC	Completion Date: 2015 July 3
Reviewed By: SK	Page 7 of 11

Rockhaven Resources Ltd.

Borehole No: **VWP15-04**

Project: Klaza Preliminary Hydrogeological Assessment	Project No: ENVMIN03054-01
Location: Klaza Property	Ground Elev: 1302.81 m
Klaza, Yukon	UTM: 381695 E; 6889914 N; Z 8

Depth Along Axis (m)	Method	Soil Description	Sample Type	Run Number	Moisture Content (%)	Plastic Limit / Moisture Content / Liquid Limit (20 40 60 80)	VW33196	VW33198	VW33203	Elevation (m)
210	Diamond Drilling	- from 223.6 to 229.24 m, well mineralized quartz carbonate veins, veins dominated by massive ankerite, hosting sphalerite, jamesonite/sulphosalt, pyrite and arsenopyrite		70						1464
212										1466
214				71						
216										1468
218				72						1470
220				73						
222										1472
224				74						1474
226				75						1476
228										1478
230				76						
232				77						1480
234										1482
236				78						1484
238				79						
240										1486

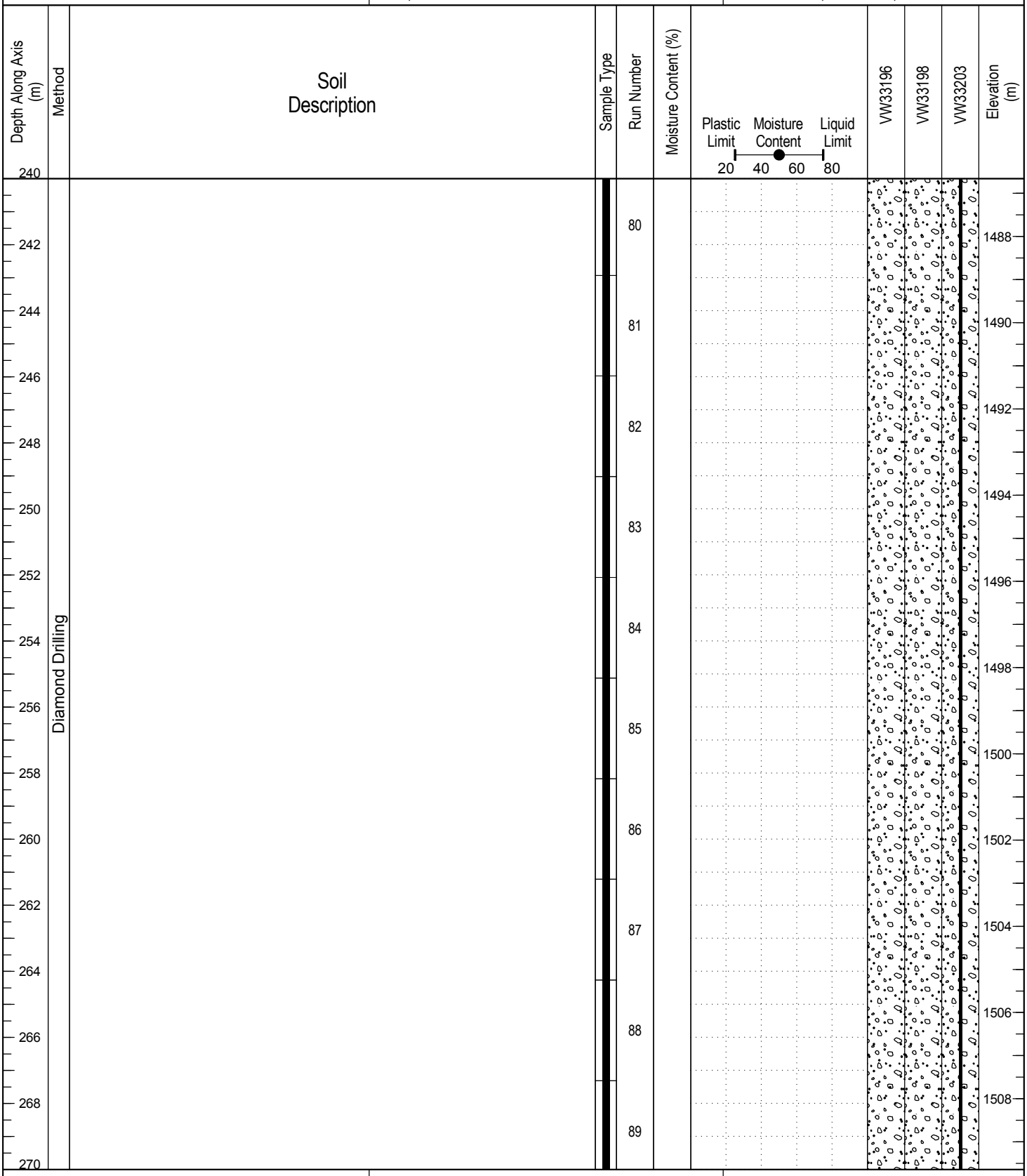
TETRA TECH EBA

Contractor: Platinum Drilling	Completion Depth: 306.93 m
Drilling Rig Type: Skid-mounted diesel-powered Zinex A-5	Start Date: 2015 July 3
Logged By: AC	Completion Date: 2015 July 3
Reviewed By: SK	Page 8 of 11

Rockhaven Resources Ltd.

Borehole No: **VWP15-04**

Project: Klaza Preliminary Hydrogeological Assessment	Project No: ENVMIN03054-01
Location: Klaza Property	Ground Elev: 1302.81 m
Klaza, Yukon	UTM: 381695 E; 6889914 N; Z 8



TETRA TECH EBA

Contractor: Platinum Drilling	Completion Depth: 306.93 m
Drilling Rig Type: Skid-mounted diesel-powered Zinex A-5	Start Date: 2015 July 3
Logged By: AC	Completion Date: 2015 July 3
Reviewed By: SK	Page 9 of 11

Rockhaven Resources Ltd.

Borehole No: **VWP15-04**

Project: Klaza Preliminary Hydrogeological Assessment	Project No: ENVMIN03054-01
Location: Klaza Property	Ground Elev: 1302.81 m
Klaza, Yukon	UTM: 381695 E; 6889914 N; Z 8

Depth Along Axis (m)	Method	Soil Description	Sample Type	Run Number	Moisture Content (%)	Plastic Limit / Moisture Content / Liquid Limit (20 40 60 80)	VW33196	VW33198	VW33203	Elevation (m)
270	Diamond Drilling									
272				90						1510
274										1512
276				91						1514
278				92						1516
280										
282				93						1518
284				94						1520
286										1522
288		- at 287.23 m, 0.89 m thick quartz vein with bands of massive pyrite, sphalerite, galena and arsenopyrite QUARTZ FELDSPAR PORPHYRY DYKE - with hydrothermal alteration		95						1524
290				96						
292										1526
294		BRECCIA - white chaloedong quartz with poorly sorted subrounded clasts of dyke phyllic granodiorite and mineralized vein fragments QUARTZ FELDSPAR PORPHYRY DYKE - with hydrothermal alteration		97						1528
296		GRANODIORITE - at 295.53 m, 0.51 m thick well mineralized quartz carbonate veins - from 296.04 to 297.95 m, strong phyllic alteration with disseminated pyrite		98						1530
298										
300				99						1532

TETRA TECH EBA

Contractor: Platinum Drilling	Completion Depth: 306.93 m
Drilling Rig Type: Skid-mounted diesel-powered Zinex A-5	Start Date: 2015 July 3
Logged By: AC	Completion Date: 2015 July 3
Reviewed By: SK	Page 10 of 11

Rockhaven Resources Ltd.

Borehole No: **VWP15-04**

Project: Klaza Preliminary Hydrogeological Assessment	Project No: ENVMIN03054-01
Location: Klaza Property	Ground Elev: 1302.81 m
Klaza, Yukon	UTM: 381695 E; 6889914 N; Z 8

Depth Along Axis (m)	Method	Soil Description	Sample Type	Run Number	Moisture Content (%)	Plastic Limit / Moisture Content / Liquid Limit (20 40 60 80)	VW33196	VW33198	VW33203	Elevation (m)
300										
302	Diamond Drilling			100						1534
304										1536
306				101						
		END OF BOREHOLE (306.93 metres) Vibrating Wire VW33203 installed to 294.01 metres Pressure rating: 5.0 MPa; 8804.7 B Temperature: 8.0° C Vibrating Wire VW33198 installed to 169.95 metres Pressure rating: 3.0 MPa; 8896.9 B Temperature: 8.0° C Vibrating Wire VW33196 installed to 77.90 metres Pressure rating: 3.0 MPa; 8731.7 B Temperature: 8.0° C								1538
308										
310										1540
312										1542
314										
316										1544
318										1546
320										1548
322										
324										1550
326										1552
328										1554
330										

TETRA TECH EBA

Contractor: Platinum Drilling	Completion Depth: 306.93 m
Drilling Rig Type: Skid-mounted diesel-powered Zinex A-5	Start Date: 2015 July 3
Logged By: AC	Completion Date: 2015 July 3
Reviewed By: SK	Page 11 of 11

APPENDIX C

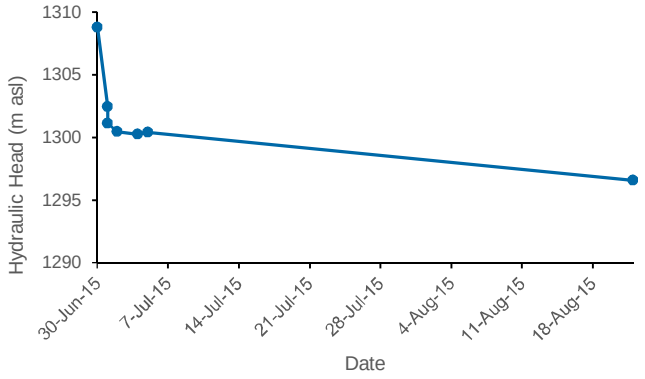
VIBRATING WIRE PIEZOMETER DATA AND CALIBRATION SHEETS

Vibrating Wire Piezometer Calibration Data (VW33200)

Well ID	Elevation	VWP s/n	Depth	Angle	True Depth	Date installed	p_CF	p_ini	T_CF	T_ini	F	B_ini	A	B	C
VWP15-01	[m asl]		[m ah]	[deg]	[m bgs]		[kPa/B]	[B]	[kPa/oC rise]	°C	[kPa/mbar]	[mbar]			
KL-15-252	1440.85	VW33200	193.16	-50	148	28-Jun-15	0.85478	8962.0	0.7088	23	0.1	1015			
							[MPa/B]	[B]	[MPa/oC rise]	°C	[MPa/mbar]	[mbar]			
							0.00085478	8962.0	0.0007088	23	0.0001	1015	-4.3373E-09	-0.0007923	7.4489

Readings

Date	p_mes	B_mes	T_mes	p_lin	p_lin	p_lin (no baro corr)	p_poly	p_poly (no baro corr)	H2O column	Hydraulic Head	
	[B]	[hPa]	[°C]	[kPa]	[MPa]	[kPa]	119	[kPa]	[m]	[m asl]	
28-Jun-15	8974.9	854	16.4	0	0.0	-15.7	-22.4	-6.2	0.0	-	Zero reading
30-Jun-15	8781	854	1.6	156	0.2	139.5	156.6	172.8	15.9	1308.76	
1-Jul-15	8853.1	854	1.2	94	0.1	77.6	94.3	110.4	9.6	1302.44	
1-Jul-15	8868.1	854	1.0	81	0.1	64.7	81.4	97.6	8.2	1301.12	
2-Jul-15	8875.6	854	0.9	74	0.1	58.2	74.9	91.1	7.6	1300.46	
4-Jul-15	8877.7	854	0.5	72	0.1	56.1	73.4	89.6	7.4	1300.25	
5-Jul-15	8875.7	854	0.5	74	0.1	57.8	75.1	91.3	7.5	1300.42	
22-Aug-15	8919.5	854	-0.1	36	0.0	20.0	37.5	53.6	3.7	1296.56	

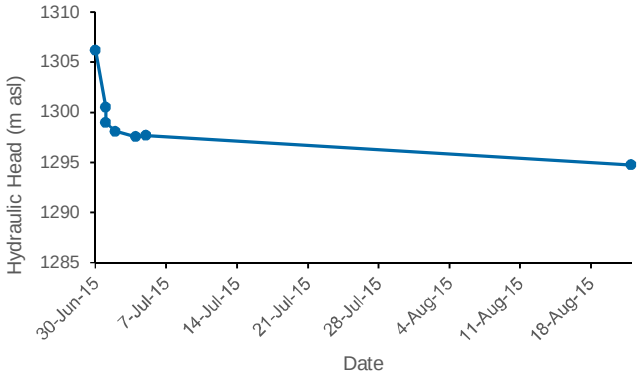


Vibrating Wire Piezometer Calibration Data (VW33202)

Well ID	Elevation	VWP s/n	Depth	Angle	True Depth	Date installed	p_CF	p_ini	T_CF	T_ini	F	B_ini	A	B	C
VWP15-01	[m asl]		[m ah]	[deg]	[m bgs]		[kPa/B]	[B]	[kPa/oC rise]	°C	[kPa/mbar]	[mbar]			
KL-15-252	1440.85	VW33202	245.28	-50	188	28-Jun-15	0.8595	8990.0	0.6334	22.6	0.1	1015			
							[MPa/B]	[B]	[MPa/oC rise]	°C	[MPa/mbar]	[mbar]			
							0.0008595	8990.0	0.0006334	22.6	0.0001	1015	-3.4957E-09	-0.0008089	7.5499

Readings

Date	p_mes	B_mes	T_mes	p_lin	p_lin	p_lin (no baro corr)	p_poly	p_poly (no baro corr)	H2O column	Hydraulic Head	
	[B]	[hPa]	[°C]	[kPa]	[MPa]	[kPa]	[kPa]	[kPa]	[m]	[m asl]	
28-Jun-15	9004.1	854	17.0	0	0.0	-15.7	-29.4	-13.2	0.1	-	Zero reading
30-Jun-15	8386.5	854	2.0	522	0.5	505.7	517.3	533.4	53.2	1306.17	
1-Jul-15	8451.1	854	1.7	466	0.5	449.9	461.4	477.5	47.5	1300.48	
1-Jul-15	8468.3	854	1.5	451	0.5	435.0	446.6	462.7	46.0	1298.96	
2-Jul-15	8478.1	854	1.4	443	0.4	426.5	438.1	454.3	45.1	1298.10	
4-Jul-15	8484.2	854	1.2	437	0.4	421.2	433.0	449.1	44.6	1297.55	
5-Jul-15	8482.8	854	1.1	438	0.4	422.3	434.3	450.4	44.7	1297.67	
22-Aug-15	8515.7	854	0.7	410	0.4	393.8	405.9	422.1	41.8	1294.76	

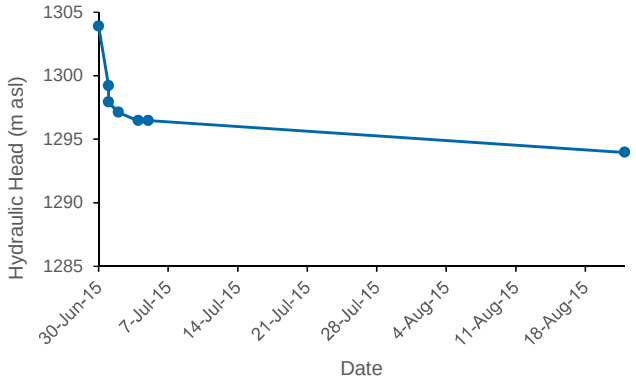


Vibrating Wire Piezometer Calibration Data (VW33204)

Well ID	Elevation	VWP s/n	Depth	Angle	True Depth	Date installed	p_CF	p_ini	T_CF	T_ini	F	B_ini	A	B	C
VWP15-01	[m asl]		[m ah]	[deg]	[m bgs]		[kPa/B]	[B]	[kPa/oC rise]	°C	[kPa/mbar]	[mbar]			
	1440.85	VW33204	294.36	-50	225	28-Jun-15	1.303	8851.0	1.534	22.9	0.1	1015			
KL-15-252							[MPa/B]	[B]	[MPa/oC rise]	°C	[MPa/mbar]	[mbar]			
							0.001303	8851.0	0.001534	22.9	0.0001	1015	-5.3525E-09	-0.0012289	11.285

Readings

Date	p_mes	B_mes	T_mes	p_lin	p_lin	p_lin (no baro corr)	p_poly	p_poly (no baro corr)	H2O column	Hydraulic Head	
	[B]	[hPa]	[°C]	[kPa]	[MPa]	[kPa]	[kPa]	[kPa]	[m]	[m asl]	
28-Jun-15	8853.6	854	16.4	3	0.0	-13.4	-20.9	-4.8	0.3	-	Zero reading
30-Jun-15	8173.2	854	2.7	868	0.9	852.2	898.2	914.4	88.5	1303.90	
1-Jul-15	8208.3	854	2.5	822	0.8	806.1	852.3	868.5	83.9	1299.21	
1-Jul-15	8217.9	854	2.4	810	0.8	793.5	839.8	856.0	82.6	1297.92	
2-Jul-15	8223.9	854	2.3	802	0.8	785.5	832.1	848.2	81.7	1297.10	
4-Jul-15	8228.7	854	2.2	795	0.8	779.1	825.9	842.1	81.1	1296.45	
5-Jul-15	8228.5	854	2.1	795	0.8	779.2	826.3	842.5	81.1	1296.46	
22-Aug-15	8247.1	854	1.9	771	0.8	754.7	802.1	818.3	78.6	1293.96	

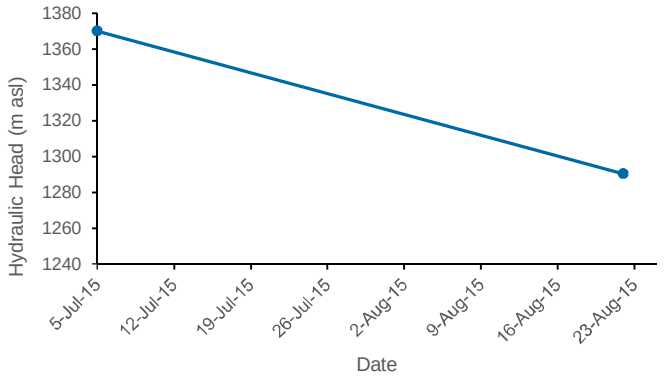


Vibrating Wire Piezometer Calibration Data (VW33197)

Well	Elevation	VWP s/n	Depth	Angle	True Depth	Date installed	p_CF	p_ini	T_CF	T_ini	F	B_ini	A	B	C
VWP15-02	[m asl]		[m ah]	[deg]	[m bgs]		[kPa/B]	[B]	[kPa/oC rise]	°C	[kPa/mbar]	[mbar]			
KL-15-255	1366.63	VW33197	104.24	-50	80	4-Jul-15	0.82854	8792.0	0.6272	23	0.1	1015			
							[MPa/B]	[B]	[MPa/oC rise]	°C	[MPa/mbar]	[mbar]			
							0.00082854	8792.0	0.0006272	23	0.0001	1015	-4.3309E-09	-0.0007681	7.0808

Readings

Date	p_mes	B_mes	T_mes	p_lin	p_lin	p_lin (no baro corr)	p_poly	p_poly (no baro corr)	H2O column	Hydraulic Head	
	[B]	[hPa]	[°C]	[kPa]	[MPa]	[kPa]	[kPa]	[kPa]	[m]	[m asl]	
4-Jul-15	8783	861	7.0	13	0.0	-2.6	-5.2	10.2	1.3	-	Zero reading
5-Jul-15	7811	861	2.3	815	0.8	799.8	814.2	829.6	83.1	1369.91	
22-Aug-15	8751.4	861	-0.6	34	0.0	18.8	26.2	41.6	3.5	1290.27	

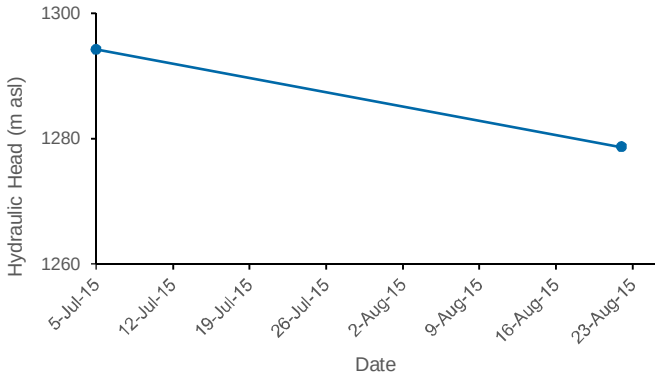


Vibrating Wire Piezometer Calibration Data (VW33201)

Well	Elevation	VWP s/n	Depth	Angle	True Depth	Date installed	p_CF	p_ini	T_CF	T_ini	F	B_ini	A	B	C
VWP15-02	[m asl]		[m ah]	[deg]	[m bgs]		[kPa/B]	[B]	[kPa/oC rise]	°C	[kPa/mbar]	[mbar]			
KL-15-255	1366.63	VW33201	222.2	-50	170	4-Jul-15	0.86773	8836.0	0.7642	23.1	0.1	1015			
							[MPa/B]	[B]	[MPa/oC rise]	°C	[MPa/mbar]	[mbar]			
							0.00086773	8836.0	0.0007642	23.1	0.0001	1015	-4.6021E-09	-0.0008023	7.4462

Readings

Date	p_mes	B_mes	T_mes	p_lin	p_lin	p_lin (no baro corr)	p_poly	p_poly (no baro corr)	H2O column	Hydraulic Head	
	[B]	[hPa]	[°C]	[kPa]	[MPa]	[kPa]	[kPa]	[kPa]	[m]	[m asl]	
4-Jul-15	8837.9	861	8.8	3	0.0	-12.6	-8.6	6.8	0.3	-	Zero reading
5-Jul-15	7731.7	861	3.9	959	1.0	943.6	967.0	982.4	97.8	1294.20	
22-Aug-15	7905.5	861	1.3	806	0.8	790.8	817.0	832.4	82.2	1278.62	

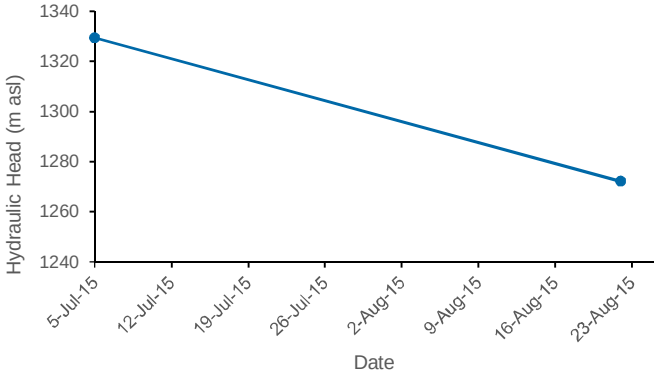


Vibrating Wire Piezometer Calibration Data (VW33206)

Well	Elevation	VWP s/n	Depth	Angle	True Depth	Date installed	p_CF	p_ini	T_CF	T_ini	F	B_ini	A	B	C
VWP15-02	[m asl]		[m ah]	[deg]	[m bgs]		[kPa/B]	[B]	[kPa/oC rise]	°C	[kPa/mbar]	[mbar]			
	1366.63	VW33206	370.94	-50	284	4-Jul-15	1.2459	8800.0	1.695	22.5	0.1	1015			
KL-15-255							[MPa/B]	[B]	[MPa/oC rise]	°C	[MPa/mbar]	[mbar]			
							0.0012459	8800.0	0.001695	22.5	0.0001	1015	-4.6796E-09	-0.0011823	10.768

Readings

Date	p_mes	B_mes	T_mes	p_lin	p_lin	p_lin (no baro corr)	p_poly	p_poly (no baro corr)	H2O column	Hydraulic Head	
	[B]	[hPa]	[°C]	[kPa]	[MPa]	[kPa]	[kPa]	[kPa]	[m]	[m asl]	
4-Jul-15	8792.7	861	9.1	2	0.0	-13.6	17.9	33.3	0.2	-	Zero reading
5-Jul-15	6846.1	861	5.5	2421	2.4	2405.5	2467.9	2483.3	246.9	1329.34	
22-Aug-15	7294.4	861	4.1	1860	1.9	1844.6	1910.6	1926.0	189.7	1272.14	

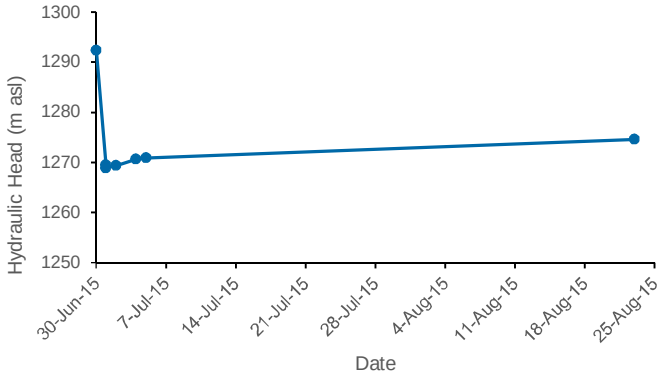


Vibrating Wire Piezometer Calibration Data (VW33195)

Well	Elevation	VWP s/n	Depth	Angle	True Depth	Date installed	p_CF	p_ini	T_CF	T_ini	F	B_ini	A	B	C
VWP15-03	[m asl]		[m ah]	[deg]	[m bgs]		[kPa/B]	[B]	[kPa/oC rise]	°C	[kPa/mbar]	[mbar]			
KL-15-253	1302.7	VW33195	63.43	-50	49	29-Jun-15	0.84207	8904.0	0.4009	23	0.1	1015			
							[MPa/B]	[B]	[MPa/oC rise]	°C	[MPa/mbar]	[mbar]			
							0.00084207	8904.0	0.0004009	23	0.0001	1015	-4.0282E-09	-0.0007847	7.3006

Readings

Date	p_mes	B_mes	T_mes	p_lin	p_lin	p_lin (no baro corr)	p_poly	p_poly (no baro corr)	H2O column	Hydraulic Head	
	[B]	[hPa]	[°C]	[kPa]	[MPa]	[kPa]	[kPa]	[kPa]	[m]	[m asl]	
29-Jun-15	8910.6	868	9.2	4	0.0	-11.1	-20.9	-6.2	0.4	-	Zero reading
30-Jun-15	8466.8	868	2.0	374	0.4	359.7	361.3	376.0	38.2	1292.30	
1-Jul-15	8731.6	868	1.2	151	0.2	136.4	135.4	150.2	15.4	1269.53	
1-Jul-15	8738.5	868	0.9	145	0.1	130.5	129.7	144.4	14.8	1268.92	
2-Jul-15	8733.6	868	0.7	149	0.1	134.5	133.9	148.7	15.2	1269.33	
4-Jul-15	8718.1	868	0.1	162	0.2	147.4	147.4	162.2	16.5	1270.64	
5-Jul-15	8715.3	868	-0.1	164	0.2	149.6	149.9	164.6	16.8	1270.87	
23-Aug-15	8671.6	868	-0.5	201	0.2	186.3	187.4	202.2	20.5	1274.61	

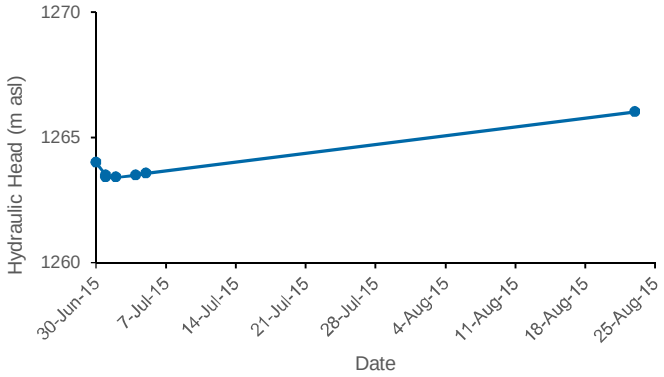


Vibrating Wire Piezometer Calibration Data (VW33199)

Well	Elevation	VWP s/n	Depth	Angle	True Depth	Date installed	p_CF	p_ini	T_CF	T_ini	F	B_ini	A	B	C
VWP15-03	[m asl]		[m ah]	[deg]	[m bgs]		[kPa/B]	[B]	[kPa/oC rise]	°C	[kPa/mbar]	[mbar]			
	1302.7	VW33199	182.31	-50	140	29-Jun-15	0.85135	8867.0	0.6129	23.1	0.1	1015			
KL-15-253							[MPa/B]	[B]	[MPa/oC rise]	°C	[MPa/mbar]	[mbar]			
							0.00085135	8867.0	0.0006129	23.1	0.0001	1015	-4.5760E-09	-0.0007864	7.3287

Readings

Date	p_mes	B_mes	T_mes	p_lin	p_lin	p_lin (no baro corr)	p_poly	p_poly (no baro corr)	H2O column	Hydraulic Head	
	[B]	[hPa]	[°C]	[kPa]	[MPa]	[kPa]	[kPa]	[kPa]	[m]	[m asl]	
29-Jun-15	8871.6	868	9.1	2	0.0	-12.5	-13.9	0.9	0.2	-	Zero Reading
30-Jun-15	7707.7	868	4.0	990	1.0	0	992.8	1007.5	101.0	1263.99	
1-Jul-15	7713.2	868	3.4	985	1.0	0	988.4	1003.2	100.4	1263.48	
1-Jul-15	7713.8	868	3.1	984	1.0	0	988.1	1002.8	100.4	1263.41	
2-Jul-15	7713.7	868	2.9	984	1.0	0	988.3	1003.1	100.4	1263.41	
4-Jul-15	7712.3	868	2.4	985	1.0	0	989.8	1004.6	100.5	1263.50	
5-Jul-15	7711.4	868	2.3	986	1.0	0	990.7	1005.4	100.5	1263.57	
23-Aug-15	7682.6	868	1.6	1010	1.0	0	1015.8	1030.5	103.0	1266.02	

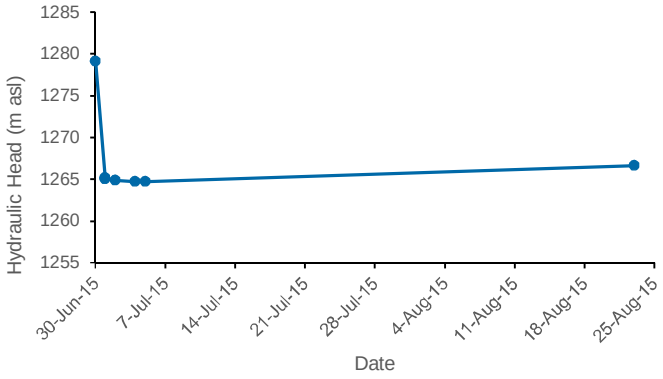


Vibrating Wire Piezometer Calibration Data (VW33205)

Well	Elevation	VWP s/n	Depth	Angle	True Depth	Date installed	p_CF	p_ini	T_CF	T_ini	F	B_ini	A	B	C
VWP15-03	[m asl]		[m ah]	[deg]	[m bgs]		[kPa/B]	[B]	[kPa/oC rise]	°C	[kPa/mbar]	[mbar]			
KL-15-253	1302.7	VW33205	319.47	-50	245	29-Jun-15	1.3143	8821.0	1.46	22.6	0.1	1015			
							[MPa/B]	[B]	[MPa/oC rise]	°C	[MPa/mbar]	[mbar]			
							0.0013143	8821.0	0.00146	22.6	0.0001	1015	-4.4389E-09	-0.0012530	11.389

Readings

Date	p_mes	B_mes	T_mes	p_lin	p_lin	p_lin (no baro corr)	p_poly	p_poly (no baro corr)	H2O column	Hydraulic Head	
	[B]	[hPa]	[°C]	[kPa]	[MPa]	[kPa]	[kPa]	[kPa]	[m]	[m asl]	
29-Jun-15	8818.4	868	8.4	-3	0.0	-17.3	0.3	15.1	-0.3	-	Zero reading
30-Jun-15	7164.7	868	6.7	2168	2.2	2153.7	2192.2	2207.0	221.1	1279.09	
1-Jul-15	7268	868	6.1	2032	2.0	2017.0	2057.1	2071.8	207.2	1265.15	
1-Jul-15	7268.3	868	5.7	2031	2.0	2016.0	2057.3	2072.0	207.1	1265.05	
2-Jul-15	7269.3	868	5.5	2029	2.0	2014.4	2056.2	2071.0	206.9	1264.89	
4-Jul-15	7270	868	5.1	2028	2.0	2012.9	2055.9	2070.6	206.8	1264.74	
5-Jul-15	7270.1	868	4.9	2027	2.0	2012.5	2056.1	2070.8	206.7	1264.69	
23-Aug-15	7255.2	868	4.4	2046	2.0	2031.4	2076.4	2091.2	208.6	1266.62	

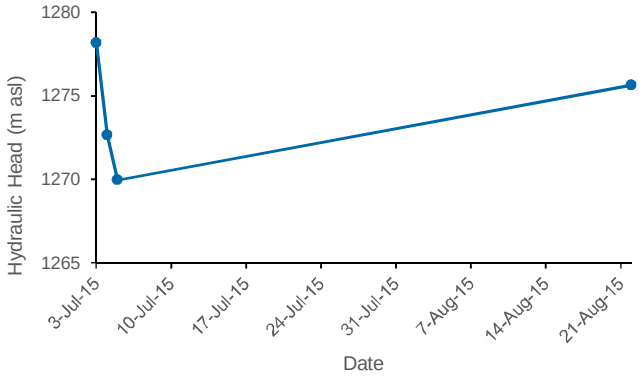


Vibrating Wire Piezometer Calibration Data (VW33196)

Well	Elevation	VWP s/n	Depth	Angle	True Depth	Date installed	p_CF	p_ini	T_CF	T_ini	F	B_ini	A	B	C
VWP15-04	[m asl]		[m ah]	[deg]	[m bgs]		[kPa/B]	[B]	[kPa/oC rise]	°C	[kPa/mbar]	[mbar]			
KL-15-254	1302.81	VW33196	77.9	-50	60	2-Jul-15	0.82153	8729.0	0.6891	23.1	0.1	1015			
							[MPa/B]	[B]	[MPa/oC rise]	°C	[MPa/mbar]	[mbar]			
							0.00082153	8729.0	0.0006891	23.1	0.0001	1015	-3.9610E-09	-0.0007669	6.9929

Readings

Date	p_mes	B_mes	T_mes	p_lin	p_lin	p_lin (no baro corr)	p_poly	p_poly (no baro corr)	H2O column	Hydraulic Head	
	[B]	[hPa]	[°C]	[kPa]	[MPa]	[kPa]	[kPa]	[kPa]	[m]	[m asl]	
2-Jul-15	8731.7	868	5.0	0	0.0	-14.7	-7.4	7.4	0.0	-	Zero reading
3-Jul-15	8313.3	868	4.6	344	0.3	328.8	342.0	356.8	35.0	1278.16	
4-Jul-15	8378.4	868	3.7	289	0.3	274.7	288.4	303.2	29.5	1272.65	
5-Jul-15	8409.6	868	2.6	263	0.3	248.3	263.2	277.9	26.8	1269.95	
22-Aug-15	8339.6	868	0.2	319	0.3	304.1	323.1	337.9	32.5	1275.65	

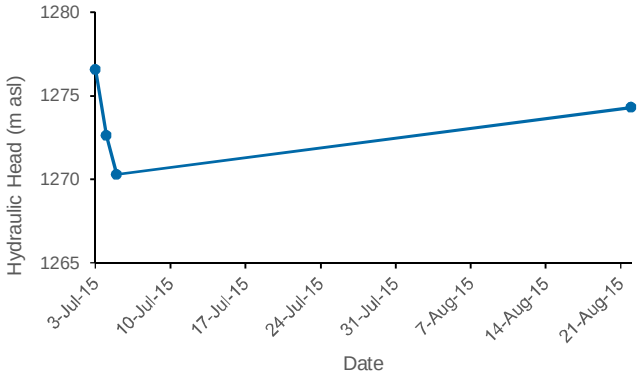


Vibrating Wire Piezometer Calibration Data (VW33198)

Well	Elevation	VWP s/n	Depth	Angle	True Depth	Date installed	p_CF	p_ini	T_CF	T_ini	F	B_ini	A	B	C
VWP15-04	[m asl]		[m ah]	[deg]	[m bgs]		[kPa/B]	[B]	[kPa/oC rise]	°C	[kPa/mbar]	[mbar]			
	1302.81	VW33198	169.95	-50	130	2-Jul-15	0.8448	8895.0	0.4989	23.1	0.1	1015			
KL-15-254							[MPa/B]	[B]	[MPa/oC rise]	°C	[MPa/mbar]	[mbar]			
							0.0008448	8895.0	0.0004989	23.1	0.0001	1015	-3.7381E-09	-0.0007917	7.3278

Readings

Date	p_mes	B_mes	T_mes	p_lin	p_lin	p_lin (no baro corr)	p_poly	p_poly (no baro corr)	H2O column	Hydraulic Head	
	[B]	[hPa]	[°C]	[kPa]	[MPa]	[kPa]	[kPa]	[kPa]	[m]	[m asl]	
2-Jul-15	8896.9	868	5.0	4	0.0	-10.6	-17.0	-2.3	0.4	-	Zero reading
3-Jul-15	7695.4	868	5.0	1019	1.0	1004.4	1008.7	1023.4	103.9	1276.54	
4-Jul-15	7740.7	868	4.2	980	1.0	965.7	970.6	985.3	100.0	1272.60	
5-Jul-15	7767.1	868	3.5	958	1.0	943.1	948.5	963.2	97.7	1270.29	
22-Aug-15	7719.7	868	1.8	997	1.0	982.3	989.6	1004.4	101.7	1274.29	

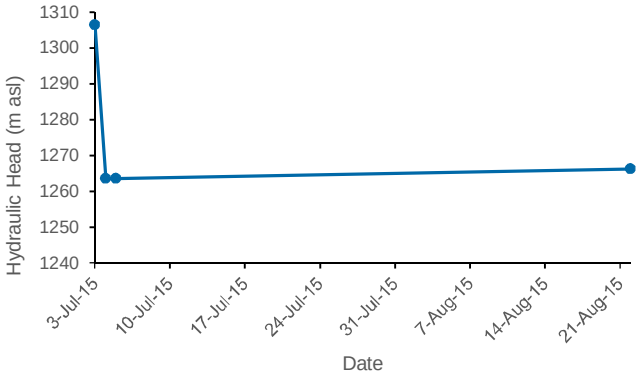


Vibrating Wire Piezometer Calibration Data (VW33203)

Well ID	Elevation	VWP s/n	Depth	Angle	True Depth	Date installed	p_CF	p_ini	T_CF	T_ini	F	B_ini	A	B	C
VWP15-04	[m asl]		[m ah]	[deg]	[m bgs]		[kPa/B]	[B]	[kPa/oC rise]	°C	[kPa/mbar]	[mbar]			
	1302.81	VW33203	294.01	-50	225	3-Jul-15	1.2807	8807.0	0.9568	23	0.1	1015			
KL-15-254							[MPa/B]	[B]	[MPa/oC rise]	°C	[MPa/mbar]	[mbar]			
							0.0012807	8807.0	0.0009568	23	0.0001	1015	-5.6636E-09	-0.0012031	11.027

Readings

Date	p_mes	B_mes	T_mes	p_lin	p_lin	p_lin (no baro corr)	p_poly	p_poly (no baro corr)	H2O column	Hydraulic Head	
	[B]	[hPa]	[°C]	[kPa]	[MPa]	[kPa]	[kPa]	[kPa]	[m]	[m asl]	
3-Jul-15	8804.7	868	6.1	2	0.0	-13.2	-3.6	11.2	0.2	-	Zero reading
3-Jul-15	7053.3	868	6.1	2245	2.2	2229.8	2260.8	2275.6	228.9	1306.46	
4-Jul-15	7381.2	868	5.4	1824	1.8	1809.2	1840.2	1855.0	186.0	1263.57	
5-Jul-15	7381.2	868	5.4	1824	1.8	1809.2	1840.2	1855.0	186.0	1263.57	
22-Aug-15	7360.4	868	4.6	1850	1.8	1835.1	1867.7	1882.5	188.6	1266.21	



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Calibration Record

Vibrating Wire Piezometer

Customer:		Tetra Tech EBA Inc.
Model:		VW2100-3.0
Serial Number:		**VW33195**
Mfg Number:		1515511
Range:		3.0 MPa
Temperature:		23.5 °C
Barometric Pressure:		1003.6 millibars
Work Order Number:		207287
Cable Length:		70 meters
Cable Markings:		918545 m - 918615 m
Cable Colour Code:	Red / Black (Coil)	Green / White (Thermistor)
Cable Type:		EL380004
Thermistor Type:		3 kΩ

Applied Pressure (MPa)	First Reading (B units)	Second Reading (B units)	Average Reading (B units)	Calculated Linear (MPa)	Linearity Error (% FS)	Polynomial Error (% FS)
0.0	8896	8898	8897	0.007	0.22	0.00
0.6	8194	8194	8194	0.599	-0.04	0.00
1.2	7486	7486	7486	1.195	-0.17	0.01
1.8	6774	6774	6774	1.794	-0.19	0.00
2.4	6057	6057	6057	2.398	-0.06	-0.01
3.0	5334	5334	5334	3.007	0.23	0.01
			Max. Error (%):		0.23	0.01

Linear Calibration Factor:	**C.F.=**	**0.00084207 MPa/B unit**
Regression Zero:	**At Calibration =**	**8905.0 B unit**
Temperature Correction Factor:	**Tk =**	**0.0004009 MPa/°C rise**

Polynomial Gage Factors (MPa) **A:** -4.0282E-09 **B:** -0.00078474 **C:** 7.3006

Pressure is calculated with the following equations:
Linear: $P(MPa) = C.F.(Li-Lc) - [Tk(Ti-Tc)] + [0.00010(Bi-Bc)]$
Polynomial: $P(MPa) = A(Lc)^2 + BLc + C + Tk(Tc-Ti) - [0.00010(Bc-Bi)]$

	Date (dd/mm/yy)	VW Readout Pos. B (Li)	Temp °C (Ti)	Baro (Bi)
Shipped Zero Readings:	18-Jun-15	8904	23.0	1015.1

Li, Lc = initial (at installation) and current readings
Ti, Tc = initial (at installation) and current temperature, in °C
Bi, Bc = initial (at installation) and current barometric pressure readings, in millibars
B units = B scale output of VW 2102, VW 2104, VW 2106 and DT 2011 readouts
B units = Hz^2 / 1000 ie: 1700Hz = 2890 B units

Technician: I. Kurchavov IK Date: 18-Jun-15

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Calibration Record

Vibrating Wire Piezometer

Customer:		Tetra Tech EBA Inc.
Model:		VW2100-3.0
Serial Number:		**VW33196**
Mfg Number:		1515512
Range:		3.0 MPa
Temperature:		23.5 °C
Barometric Pressure:		1003.6 millibars
Work Order Number:		207287
Cable Length:		83 meters
Cable Markings:		918461 m - 918544 m
Cable Colour Code:	Red / Black (Coil)	Green / White (Thermistor)
Cable Type:		EL380004
Thermistor Type:		3 kΩ

Applied Pressure (MPa)	First Reading (B units)	Second Reading (B units)	Average Reading (B units)	Calculated Linear (MPa)	Linearity Error (% FS)	Polynomial Error (% FS)
0.0	8725	8726	8726	0.007	0.23	0.00
0.6	8005	8005	8005	0.599	-0.03	0.01
1.2	7281	7281	7281	1.194	-0.21	-0.02
1.8	6550	6551	6551	1.794	-0.20	-0.01
2.4	5813	5813	5813	2.400	-0.01	0.04
3.0	5074	5075	5075	3.006	0.21	-0.02
				Max. Error (%):	0.23	0.04

Linear Calibration Factor:	**C.F.=**	**0.00082153 MPa/B unit**
Regression Zero:	**At Calibration =**	**8734.1 B unit**
Temperature Correction Factor:	**Tk =**	**0.0006891 MPa/°C rise**

Polynomial Gage Factors (MPa) **A:** -3.9610E-09 **B:** -0.00076686 **C:** 6.9929

Pressure is calculated with the following equations:
Linear: $P(MPa) = C.F.(Li-Lc) - [Tk(Ti-Tc)] + [0.00010(Bi-Bc)]$
Polynomial: $P(MPa) = A(Lc)^2 + BLc + C + Tk(Tc-Ti) - [0.00010(Bc-Bi)]$

	Date (dd/mm/yy)	VW Readout Pos. B (Li)	Temp °C (Ti)	Baro (Bi)
Shipped Zero Readings:	18-Jun-15	8729	23.1	1015.1

Li, Lc = initial (at installation) and current readings
Ti, Tc = initial (at installation) and current temperature, in °C
Bi, Bc = initial (at installation) and current barometric pressure readings, in millibars
B units = B scale output of VW 2102, VW 2104, VW 2106 and DT 2011 readouts
B units = $Hz^2 / 1000$ ie: 1700Hz = 2890 B units

Technician: I. Kurchavov IK Date: 18-Jun-15

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Calibration Record

Vibrating Wire Piezometer

Customer:		Tetra Tech EBA Inc.
Model:		VW2100-3.0
Serial Number:		**VW33197**
Mfg Number:		1515513
Range:		3.0 MPa
Temperature:		23.5 °C
Barometric Pressure:		1003.6 millibars
Work Order Number:		207287
Cable Length:		109 meters
Cable Markings:		918616 m - 918724 m
Cable Colour Code:	Red / Black (Coil)	Green / White (Thermistor)
Cable Type:		EL380004
Thermistor Type:		3 kΩ

Applied Pressure (MPa)	First Reading (B units)	Second Reading (B units)	Average Reading (B units)	Calculated Linear (MPa)	Linearity Error (% FS)	Polynomial Error (% FS)
0.0	8783	8783	8783	0.008	0.25	0.00
0.6	8070	8070	8070	0.598	-0.05	-0.01
1.2	7351	7351	7351	1.194	-0.20	0.00
1.8	6627	6628	6628	1.794	-0.22	-0.01
2.4	5897	5897	5897	2.399	-0.04	0.01
3.0	5162	5163	5163	3.007	0.24	-0.01
			Max. Error (%):		0.25	0.01

Linear Calibration Factor:	**C.F.=**	**0.00082854 MPa/B unit**
Regression Zero:	**At Calibration =**	**8792.2 B unit**
Temperature Correction Factor:	**Tk =**	**0.0006272 MPa/°C rise**

Polynomial Gage Factors (MPa) **A:** -4.3309E-09 **B:** -0.00076814 **C:** 7.0808

Pressure is calculated with the following equations:
Linear: $P(MPa) = C.F.(Li-Lc) - [Tk(Ti-Tc)] + [0.00010(Bi-Bc)]$
Polynomial: $P(MPa) = A(Lc)^2 + BLc + C + Tk(Tc-Ti) - [0.00010(Bc-Bi)]$

	Date (dd/mm/yy)	VW Readout Pos. B (Li)	Temp °C (Ti)	Baro (Bi)
Shipped Zero Readings:	18-Jun-15	8792	23.0	1015.1

Li, Lc = initial (at installation) and current readings
Ti, Tc = initial (at installation) and current temperature, in °C
Bi, Bc = initial (at installation) and current barometric pressure readings, in millibars
B units = B scale output of VW 2102, VW 2104, VW 2106 and DT 2011 readouts
B units = Hz^2 / 1000 ie: 1700Hz = 2890 B units

Technician: I. Kurchavov IK Date: 18-Jun-15

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Calibration Record

Vibrating Wire Piezometer

Customer:		Tetra Tech EBA Inc.	
Model:		VW2100-3.0	
Serial Number:		**VW33198**	
Mfg Number:		1515514	
Range:		3.0	MPa
Temperature:		23.5	°C
Barometric Pressure:		1003.6	millibars
Work Order Number:		207287	
Cable Length:		175	meters
Cable Markings:		918726 m - 918901 m	
Cable Colour Code:	Red / Black (Coil)	Green / White	(Thermistor)
Cable Type:		EL380004	
Thermistor Type:		3	kΩ

Applied Pressure (MPa)	First Reading (B units)	Second Reading (B units)	Average Reading (B units)	Calculated Linear (MPa)	Linearity Error (% FS)	Polynomial Error (% FS)
0.0	8884	8885	8885	0.006	0.19	-0.02
0.6	8181	8181	8181	0.600	0.00	0.04
1.2	7476	7477	7477	1.195	-0.16	0.00
1.8	6767	6767	6767	1.794	-0.19	-0.02
2.4	6052	6053	6053	2.398	-0.06	-0.02
3.0	5332	5332	5332	3.007	0.22	0.02
				Max. Error (%):	0.22	0.04

Linear Calibration Factor:	**C.F.=**	**0.00084480 MPa/B unit**
Regression Zero:	**At Calibration =**	**8891.1 B unit**
Temperature Correction Factor:	**Tk =**	**0.0004989 MPa/°C rise**

Polynomial Gage Factors (MPa) **A:** -3.7381E-09 **B:** -0.00079165 **C:** 7.3278

Pressure is calculated with the following equations:
Linear: $P(MPa) = C.F.(Li-Lc) - [Tk(Ti-Tc)] + [0.00010(Bi-Bc)]$
Polynomial: $P(MPa) = A(Lc)^2 + BLc + C + Tk(Tc-Ti) - [0.00010(Bc-Bi)]$

	Date (dd/mm/yy)	VW Readout Pos. B (Li)	Temp °C (Ti)	Baro (Bi)
Shipped Zero Readings:	18-Jun-15	8895	23.1	1015.1

Li, Lc = initial (at installation) and current readings
Ti, Tc = initial (at installation) and current temperature, in °C
Bi, Bc = initial (at installation) and current barometric pressure readings, in millibars
B units = B scale output of VW 2102, VW 2104, VW 2106 and DT 2011 readouts
B units = $Hz^2 / 1000$ ie: 1700Hz = 2890 B units

Technician: I. Kurchavov IK Date: 18-Jun-15

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Calibration Record

Vibrating Wire Piezometer

Customer:		Tetra Tech EBA Inc.	
Model:		VW2100-3.0	
Serial Number:		**VW33199**	
Mfg Number:		1515515	
Range:		3.0	MPa
Temperature:		23.5	°C
Barometric Pressure:		1003.6	millibars
Work Order Number:		207287	
Cable Length:		188	meters
Cable Markings:		938438 m - 938625 m	
Cable Colour Code:	Red / Black (Coil)	Green / White	(Thermistor)
Cable Type:		EL380004	
Thermistor Type:		3	kΩ

Applied Pressure (MPa)	First Reading (B units)	Second Reading (B units)	Average Reading (B units)	Calculated Linear (MPa)	Linearity Error (% FS)	Polynomial Error (% FS)
0.0	8862	8863	8863	0.008	0.26	0.01
0.6	8169	8169	8169	0.598	-0.06	-0.02
1.2	7468	7469	7469	1.194	-0.18	0.02
1.8	6765	6765	6765	1.793	-0.22	-0.02
2.4	6054	6054	6054	2.399	-0.04	0.01
3.0	5339	5339	5339	3.007	0.25	0.00
				Max. Error (%):	0.26	0.02

Linear Calibration Factor:	**C.F.=**	**0.00085135 MPa/B unit**
Regression Zero:	**At Calibration =**	**8871.5 B unit**
Temperature Correction Factor:	**Tk =**	**0.0006129 MPa/°C rise**

Polynomial Gage Factors (MPa) **A:** -4.5760E-09 **B:** -0.00078636 **C:** 7.3287

Pressure is calculated with the following equations:
Linear: $P(MPa) = C.F.(Li-Lc) - [Tk(Ti-Tc)] + [0.00010(Bi-Bc)]$
Polynomial: $P(MPa) = A(Lc)^2 + BLc + C + Tk(Tc-Ti) - [0.00010(Bc-Bi)]$

	Date (dd/mm/yy)	VW Readout Pos. B (Li)	Temp °C (Ti)	Baro (Bi)
Shipped Zero Readings:	18-Jun-15	8867	23.1	1015.1

Li, Lc = initial (at installation) and current readings
Ti, Tc = initial (at installation) and current temperature, in °C
Bi, Bc = initial (at installation) and current barometric pressure readings, in millibars
B units = B scale output of VW 2102, VW 2104, VW 2106 and DT 2011 readouts
B units = $Hz^2 / 1000$ ie: 1700Hz = 2890 B units

Technician: I. Kurchavov IK Date: 18-Jun-15

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Calibration Record

Vibrating Wire Piezometer

Customer:		Tetra Tech EBA Inc.
Model:		VW2100-3.0
Serial Number:		**VW33200**
Mfg Number:		1515516
Range:		3.0 MPa
Temperature:		23.5 °C
Barometric Pressure:		1003.6 millibars
Work Order Number:		207287
Cable Length:		201 meters
Cable Markings:		918902 m - 919103 m
Cable Colour Code:	Red / Black (Coil)	Green / White (Thermistor)
Cable Type:		EL380004
Thermistor Type:		3 kΩ

Applied Pressure (MPa)	First Reading (B units)	Second Reading (B units)	Average Reading (B units)	Calculated Linear (MPa)	Linearity Error (% FS)	Polynomial Error (% FS)
0.0	8962	8963	8963	0.007	0.23	0.00
0.6	8269	8270	8270	0.599	-0.02	0.02
1.2	7575	7575	7575	1.193	-0.24	-0.05
1.8	6870	6870	6870	1.796	-0.15	0.04
2.4	6165	6166	6166	2.398	-0.07	-0.02
3.0	5452	5453	5453	3.007	0.24	0.00
				Max. Error (%):	0.24	0.05

Linear Calibration Factor:	**C.F.=**	**0.00085478 MPa/B unit**
Regression Zero:	**At Calibration =**	**8970.6 B unit**
Temperature Correction Factor:	**Tk =**	**0.0007088 MPa/°C rise**

Polynomial Gage Factors (MPa) **A:** -4.3373E-09 **B:** -0.00079226 **C:** 7.4489

Pressure is calculated with the following equations:
Linear: $P(MPa) = C.F.(Li-Lc) - [Tk(Ti-Tc)] + [0.00010(Bi-Bc)]$
Polynomial: $P(MPa) = A(Lc)^2 + BLc + C + Tk(Tc-Ti) - [0.00010(Bc-Bi)]$

	Date (dd/mm/yy)	VW Readout Pos. B (Li)	Temp °C (Ti)	Baro (Bi)
Shipped Zero Readings:	18-Jun-15	8962	23.0	1015.1

Li, Lc = initial (at installation) and current readings
Ti, Tc = initial (at installation) and current temperature, in °C
Bi, Bc = initial (at installation) and current barometric pressure readings, in millibars
B units = B scale output of VW 2102, VW 2104, VW 2106 and DT 2011 readouts
B units = Hz^2 / 1000 ie: 1700Hz = 2890 B units

Technician: I. Kurchavov IK Date: 18-Jun-15

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Calibration Record

Vibrating Wire Piezometer

Customer:		Tetra Tech EBA Inc.	
Model:		VW2100-3.0	
Serial Number:		**VW33201**	
Mfg Number:		1515517	
Range:		3.0	MPa
Temperature:		23.5	°C
Barometric Pressure:		1003.6	millibars
Work Order Number:		207287	
Cable Length:		227	meters
Cable Markings:		919104 m - 919332 m	
Cable Colour Code:	Red / Black (Coil)	Green / White	(Thermistor)
Cable Type:		EL380004	
Thermistor Type:		3	kΩ

Applied Pressure (MPa)	First Reading (B units)	Second Reading (B units)	Average Reading (B units)	Calculated Linear (MPa)	Linearity Error (% FS)	Polynomial Error (% FS)
0.0	8833	8834	8834	0.007	0.23	-0.01
0.6	8151	8151	8151	0.599	-0.03	0.02
1.2	7465	7466	7466	1.194	-0.20	0.00
1.8	6774	6774	6774	1.794	-0.20	0.00
2.4	6078	6078	6078	2.398	-0.07	-0.01
3.0	5375	5376	5376	3.008	0.25	0.01
				Max. Error (%):	0.25	0.02

Linear Calibration Factor:	**C.F.=**	**0.00086773 MPa/B unit**
Regression Zero:	**At Calibration =**	**8841.5 B unit**
Temperature Correction Factor:	**Tk =**	**0.0007642 MPa/°C rise**

Polynomial Gage Factors (MPa) **A:** -4.6021E-09 **B:** -0.00080233 **C:** 7.4462

Pressure is calculated with the following equations:

Linear: $P(MPa) = C.F.(Li-Lc) - [Tk(Ti-Tc)] + [0.00010(Bi-Bc)]$

Polynomial: $P(MPa) = A(Lc)^2 + BLc + C + Tk(Tc-Ti) - [0.00010(Bc-Bi)]$

	Date (dd/mm/yy)	VW Readout Pos. B (Li)	Temp °C (Ti)	Baro (Bi)
Shipped Zero Readings:	18-Jun-15	8836	23.1	1015.1

Li, Lc = initial (at installation) and current readings
Ti, Tc = initial (at installation) and current temperature, in °C
Bi, Bc = initial (at installation) and current barometric pressure readings, in millibars
B units = B scale output of VW 2102, VW 2104, VW 2106 and DT 2011 readouts
B units = Hz^2 / 1000 ie: 1700Hz = 2890 B units

Technician: I. Kurchavov IK Date: 18-Jun-15

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Calibration Record

Vibrating Wire Piezometer

Customer:		Tetra Tech EBA Inc.	
Model:		VW2100-3.0	
Serial Number:		**VW33202**	
Mfg Number:		1515518	
Range:		3.0	MPa
Temperature:		23.5	°C
Barometric Pressure:		1003.6	millibars
Work Order Number:		207287	
Cable Length:		253	meters
Cable Markings:		917605 m - 917858 m	
Cable Colour Code:	Red / Black (Coil)	Green / White	(Thermistor)
Cable Type:		EL380004	
Thermistor Type:		3	kΩ

Applied Pressure (MPa)	First Reading (B units)	Second Reading (B units)	Average Reading (B units)	Calculated Linear (MPa)	Linearity Error (% FS)	Polynomial Error (% FS)
0.0	8985	8986	8986	0.005	0.17	-0.02
0.6	8293	8294	8294	0.600	0.00	0.03
1.2	7600	7601	7601	1.195	-0.15	0.00
1.8	6903	6903	6903	1.795	-0.17	-0.01
2.4	6201	6201	6201	2.398	-0.05	-0.01
3.0	5494	5494	5494	3.006	0.20	0.01
			Max. Error (%):		0.20	0.03

Linear Calibration Factor:	**C.F.=**	**0.00085950 MPa/B unit**
Regression Zero:	**At Calibration =**	**8991.4 B unit**
Temperature Correction Factor:	**Tk =**	**0.0006334 MPa/°C rise**

Polynomial Gage Factors (MPa) **A:** -3.4957E-09 **B:** -0.00080888 **C:** 7.5499

Pressure is calculated with the following equations:
Linear: $P(MPa) = C.F.(Li-Lc) - [Tk(Ti-Tc)] + [0.00010(Bi-Bc)]$
Polynomial: $P(MPa) = A(Lc)^2 + BLc + C + Tk(Tc-Ti) - [0.00010(Bc-Bi)]$

	Date (dd/mm/yy)	VW Readout Pos. B (Li)	Temp °C (Ti)	Baro (Bi)
Shipped Zero Readings:	18-Jun-15	8990	22.6	1015.1

Li, Lc = initial (at installation) and current readings
Ti, Tc = initial (at installation) and current temperature, in °C
Bi, Bc = initial (at installation) and current barometric pressure readings, in millibars
B units = B scale output of VW 2102, VW 2104, VW 2106 and DT 2011 readouts
B units = $Hz^2 / 1000$ ie: 1700Hz = 2890 B units

Technician: I. Kurchavov IK Date: 18-Jun-15

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Calibration Record

Vibrating Wire Piezometer

Customer:		Tetra Tech EBA Inc.	
Model:		VW2100-5.0-HD	
Serial Number:		**VW33203**	
Mfg Number:		1512323	
Range:		5.0	MPa
Temperature:		23.1	°C
Barometric Pressure:		1003.9	millibars
Work Order Number:		207287	
Cable Length:		299	meters
Cable Markings:		917859 m - 918159 m	
Cable Colour Code:	Red / Black (Coil)	Green / White	(Thermistor)
Cable Type:		EL380004	
Thermistor Type:		3	kΩ

Applied Pressure (MPa)	First Reading (B units)	Second Reading (B units)	Average Reading (B units)	Calculated Linear (MPa)	Linearity Error (% FS)	Polynomial Error (% FS)
0.0	8801	8801	8801	0.011	0.22	-0.01
1.0	8029	8029	8029	1.000	-0.01	0.04
2.0	7256	7256	7256	1.989	-0.21	-0.03
3.0	6474	6475	6475	2.990	-0.19	-0.01
4.0	5688	5687	5688	3.998	-0.04	0.01
5.0	4897	4896	4897	5.011	0.22	0.00
				Max. Error (%):	0.22	0.04

Linear Calibration Factor:	**C.F.=**	**0.0012807 MPa/B unit**
Regression Zero:	**At Calibration =**	**8809.5 B unit**
Temperature Correction Factor:	**Tk =**	**0.0009568 MPa/°C rise**

Polynomial Gage Factors (MPa) **A:** -5.6636E-09 **B:** -0.0012031 **C:** 11.027

Pressure is calculated with the following equations:
Linear: $P(MPa) = C.F.(Li-Lc) - [Tk(Ti-Tc)] + [0.00010(Bi-Bc)]$
Polynomial: $P(MPa) = A(Lc)^2 + BLc + C + Tk(Tc-Ti) - [0.00010(Bc-Bi)]$

	Date (dd/mm/yy)	VW Readout Pos. B (Li)	Temp °C (Ti)	Baro (Bi)
Shipped Zero Readings:	18-Jun-15	8807	23.0	1015.1

Li, Lc = initial (at installation) and current readings
Ti, Tc = initial (at installation) and current temperature, in °C
Bi, Bc = initial (at installation) and current barometric pressure readings, in millibars
B units = B scale output of VW 2102, VW 2104, VW 2106 and DT 2011 readouts
B units = Hz^2 / 1000 ie: 1700Hz = 2890 B units

Technician: I. Kurchavov IK Date: 18-Jun-15

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Tel: 604 540 1100 • Fax: 604 540 1005 • Toll Free: 1 800 665 5599 (North America only)
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Calibration Record

Vibrating Wire Piezometer

Customer:		Tetra Tech EBA Inc.	
Model:		VW2100-5.0-HD	
Serial Number:		**VW33204**	
Mfg Number:		1516367	
Range:		5.0	MPa
Temperature:		22.5	°C
Barometric Pressure:		996.7	millibars
Work Order Number:		207287	
Cable Length:		299	meters
Cable Markings:		918160 m - 918460 m	
Cable Colour Code:	Red / Black (Coil)	Green / White	(Thermistor)
Cable Type:		EL380004	
Thermistor Type:		3	kΩ

Applied Pressure (MPa)	First Reading (B units)	Second Reading (B units)	Average Reading (B units)	Calculated Linear (MPa)	Linearity Error (% FS)	Polynomial Error (% FS)
0.0	8843	8843	8843	0.010	0.19	-0.01
1.0	8083	8083	8083	1.000	0.00	0.04
2.0	7323	7323	7323	1.990	-0.19	-0.03
3.0	6556	6555	6556	2.990	-0.19	-0.02
4.0	5781	5781	5781	3.999	-0.01	0.03
5.0	5005	5006	5006	5.010	0.20	-0.01
				Max. Error (%):	0.20	0.04

Linear Calibration Factor:	**C.F.=**	**0.0013030 MPa/B unit**
Regression Zero:	**At Calibration =**	**8850.5 B unit**
Temperature Correction Factor:	**Tk =**	**0.001534 MPa/°C rise**

Polynomial Gage Factors (MPa) **A:** -5.3525E-09 **B:** -0.0012289 **C:** 11.285

Pressure is calculated with the following equations:
Linear: $P(MPa) = C.F.(Li-Lc) - [Tk(Ti-Tc)] + [0.00010(Bi-Bc)]$
Polynomial: $P(MPa) = A(Lc)^2 + BLc + C + Tk(Tc-Ti) - [0.00010(Bc-Bi)]$

	Date (dd/mm/yy)	VW Readout Pos. B (Li)	Temp °C (Ti)	Baro (Bi)
Shipped Zero Readings:	18-Jun-15	8851	22.9	1015.1

Li, Lc = initial (at installation) and current readings
Ti, Tc = initial (at installation) and current temperature, in °C
Bi, Bc = initial (at installation) and current barometric pressure readings, in millibars
B units = B scale output of VW 2102, VW 2104, VW 2106 and DT 2011 readouts
B units = Hz^2 / 1000 ie: 1700Hz = 2890 B units

Technician: I. Kurchavov IK Date: 18-Jun-15

This instrument has been calibrated using standards traceable to the NIST in compliance with ANSI Z540-1

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Calibration Record

Vibrating Wire Piezometer

Customer:		Tetra Tech EBA Inc.	
Model:		VW2100-5.0-HD	
Serial Number:		**VW33205**	
Mfg Number:		1516368	
Range:		5.0	MPa
Temperature:		22.5	°C
Barometric Pressure:		996.7	millibars
Work Order Number:		207287	
Cable Length:		325	meters
Cable Markings:		938112 m - 938437 m	
Cable Colour Code:	Red / Black (Coil)	Green / White	(Thermistor)
Cable Type:		EL380004	
Thermistor Type:		3	kΩ

Applied Pressure (MPa)	First Reading (B units)	Second Reading (B units)	Average Reading (B units)	Calculated Linear (MPa)	Linearity Error (% FS)	Polynomial Error (% FS)
0.0	8815	8815	8815	0.007	0.15	-0.02
1.0	8059	8059	8059	1.001	0.02	0.05
2.0	7304	7305	7305	1.993	-0.15	-0.01
3.0	6545	6545	6545	2.991	-0.18	-0.04
4.0	5778	5777	5778	4.000	-0.01	0.03
5.0	5010	5010	5010	5.008	0.17	0.00
			Max. Error (%):		0.18	0.05

Linear Calibration Factor:	**C.F.=**	**0.0013143 MPa/B unit**
Regression Zero:	**At Calibration =**	**8820.6 B unit**
Temperature Correction Factor:	**Tk =**	**0.001460 MPa/°C rise**

Polynomial Gage Factors (MPa) **A:** -4.4389E-09 **B:** -0.0012530 **C:** 11.389

Pressure is calculated with the following equations:
Linear: $P(MPa) = C.F.(Li-Lc) - [Tk(Ti-Tc)] + [0.00010(Bi-Bc)]$
Polynomial: $P(MPa) = A(Lc)^2 + BLc + C + Tk(Tc-Ti) - [0.00010(Bc-Bi)]$

	Date (dd/mm/yy)	VW Readout Pos. B (Li)	Temp °C (Ti)	Baro (Bi)
Shipped Zero Readings:	18-Jun-15	8821	22.6	1015.1

Li, Lc = initial (at installation) and current readings
Ti, Tc = initial (at installation) and current temperature, in °C
Bi, Bc = initial (at installation) and current barometric pressure readings, in millibars
B units = B scale output of VW 2102, VW 2104, VW 2106 and DT 2011 readouts
B units = Hz^2 / 1000 ie: 1700Hz = 2890 B units

Technician: I. Kurchavov IK Date: 18-Jun-15

This instrument has been calibrated using standards traceable to the NIST in compliance with ANSI Z540-1

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e-mail: info@rstinstruments.com • Website: www.rstinstruments.com

Calibration Record

Vibrating Wire Piezometer

Customer:		Tetra Tech EBA Inc.
Model:		VW2100-5.0-HD
Serial Number:		**VW33206**
Mfg Number:		1516369
Range:		5.0 MPa
Temperature:		23.3 °C
Barometric Pressure:		989.0 millibars
Work Order Number:		207287
Cable Length:		377 meters
Cable Markings:		917225 m - 917604 m
Cable Colour Code:	Red / Black (Coil)	Green / White (Thermistor)
Cable Type:		EL380004
Thermistor Type:		3 kΩ

Applied Pressure (MPa)	First Reading (B units)	Second Reading (B units)	Average Reading (B units)	Calculated Linear (MPa)	Linearity Error (% FS)	Polynomial Error (% FS)
0.0	8801	8801	8801	0.010	0.20	0.00
1.0	8008	8008	8008	0.998	-0.04	0.00
2.0	7211	7211	7211	1.991	-0.18	-0.02
3.0	6408	6408	6408	2.992	-0.17	-0.01
4.0	5599	5599	5599	3.999	-0.01	0.03
5.0	4789	4788	4789	5.009	0.18	-0.02
			Max. Error (%):		0.20	0.03

Linear Calibration Factor:	**C.F.=**	**0.0012459 MPa/B unit**
Regression Zero:	**At Calibration =**	**8809.2 B unit**
Temperature Correction Factor:	**Tk =**	**0.001695 MPa/°C rise**

Polynomial Gage Factors (MPa) **A:** -4.6796E-09 **B:** -0.0011823 **C:** 10.768

Pressure is calculated with the following equations:
Linear: $P(MPa) = C.F.(Li-Lc) - [Tk(Ti-Tc)] + [0.00010(Bi-Bc)]$
Polynomial: $P(MPa) = A(Lc)^2 + BLc + C + Tk(Tc-Ti) - [0.00010(Bc-Bi)]$

	Date (dd/mm/yy)	VW Readout Pos. B (Li)	Temp °C (Ti)	Baro (Bi)
Shipped Zero Readings:	18-Jun-15	8800	22.5	1015.1

Li, Lc = initial (at installation) and current readings
Ti, Tc = initial (at installation) and current temperature, in °C
Bi, Bc = initial (at installation) and current barometric pressure readings, in millibars
B units = B scale output of VW 2102, VW 2104, VW 2106 and DT 2011 readouts
B units = Hz^2 / 1000 ie: 1700Hz = 2890 B units

Technician: I. Kurchavov IK Date: 18-Jun-15

This instrument has been calibrated using standards traceable to the NIST in compliance with ANSI Z540-1

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APPENDIX D

HYDRAULIC RESPONSE TEST DATA ANALYSIS

Field Procedure and Interpretation of Hydraulic Response Test Data

The following field procedure was followed for all hydraulic response tests:

- The static water level was measured prior to initiating the hydraulic response test;
- A pressure transducer/datalogger was installed in the well to record total pressure and water temperature during the test at a recording frequency of 1 s to 10 s, depending on the rate of recovery;
- Falling head test:
  - A solid slug consisting of a 1 m or 2 m long solid 1-inch diameter PVC pipe filled with sand (slug volume of 0.9 L or 1.8 L, respectively) was lowered quickly into the well and fully submerged to create a quasi-instantaneous rise in water level;
  - The water level recovery was recorded by the pressure transducer/datalogger.
- Rising head test:
  - After the water level had fully recovered, the slug was quickly withdrawn from the well to cause a quasi-instantaneous drop in water level;
  - Alternatively, a bailer was used to remove a slug of water (volume of 1 L) to cause a quasi-instantaneous drop in water level;
  - The water level recovery was recorded by the pressure transducer/datalogger.
- At the end of the testing sequence, the pressure/transducer datalogger was retrieved from the well and the data were downloaded onto a field laptop.

The hydraulic conductivity *K* of the aquifer in the vicinity of the monitoring well was inferred from the recovery data using the Bouwer and Rice (1976) method. The hydraulic conductivity is inferred from the test data as follows:

$$K = \frac{r^2 \ln\left(\frac{R_{cont}}{R}\right)}{2L} \cdot \frac{1}{t} \cdot \ln\left(\frac{h_0}{h_t}\right)$$

where

r – casing radius

R – radius measured from centre of well to undisturbed aquifer material (borehole radius)

R_{cont} – contributing radial distance over which the difference in head, h_0, is dissipated in the aquifer

L – the length of the screen

b – length from bottom of well screen to top of the aquifer

h_t – displacement as a function of time (h_t/h_0 must always be less than one, i.e. water level must always approach the static water level as time increases)

h_0 – initial displacement

Slug test models including the Bouwer and Rice (1976) method neglect storage in the formation and therefore predict that the logarithm of water level change should be a linear function of time. In reality, all formations are compressible to some extent and have some storage capacity. Storage in the formation is manifested by curvature in the data in semilog space. This introduces complications in the interpretation of some of the data sets collected the Site where the curvature in the recovery data makes it difficult to identify an unambiguous straight line fit. For the Bouwer and Rice analysis, Butler (1998) recommends that the straight line be fitted to the interval $\Delta H/\Delta H_0 = 0.2$ to $\Delta H/\Delta H_0 = 0.3$ which is judged to be the most representative portion of the response.

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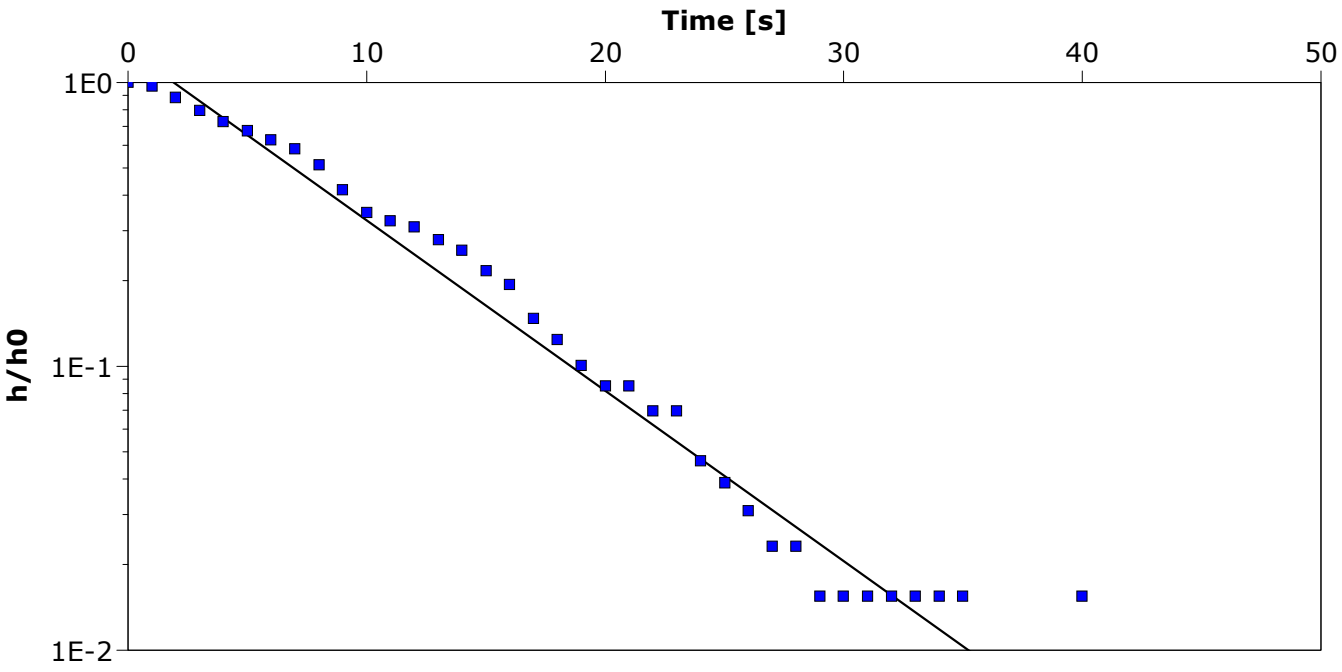
Slug Test Analysis Report

Project: Klaza Preliminary Hydrogeological Assessment

Number: ENVMIN03054-01

Client: Rockhaven Resources Ltd.

Location: Klaza	Slug Test: Falling Head Test 1	Test Well: MW15-01D
Test Conducted by: SK		Test Date: 8/23/2015
Analysis Performed by: SK		Analysis Date: 11/3/2015



Calculation using Bouwer & Rice

Observation Well	Hydraulic Conductivity [m/s]	
MW15-01D	9.09×10^{-6}	

TETRA TECH EBA

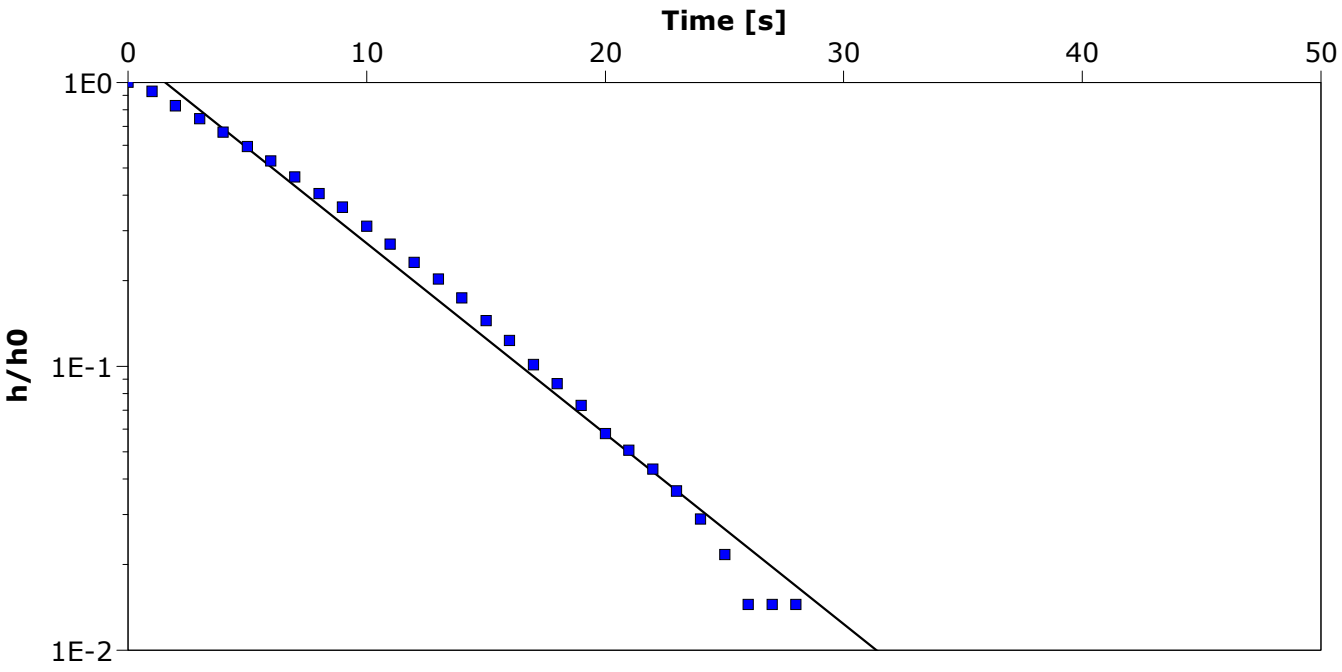
Slug Test Analysis Report

Project: Klaza Preliminary Hydrogeological Assessment

Number: ENVMIN03054-01

Client: Rockhaven Resources Ltd.

Location: Klaza	Slug Test: Rising Head Test 1	Test Well: MW15-01D
Test Conducted by: SK		Test Date: 8/23/2015
Analysis Performed by: SK		Analysis Date: 11/3/2015



Calculation using Bouwer & Rice

Observation Well	Hydraulic Conductivity [m/s]	
MW15-01D	1.02×10^{-5}	

TETRA TECH EBA

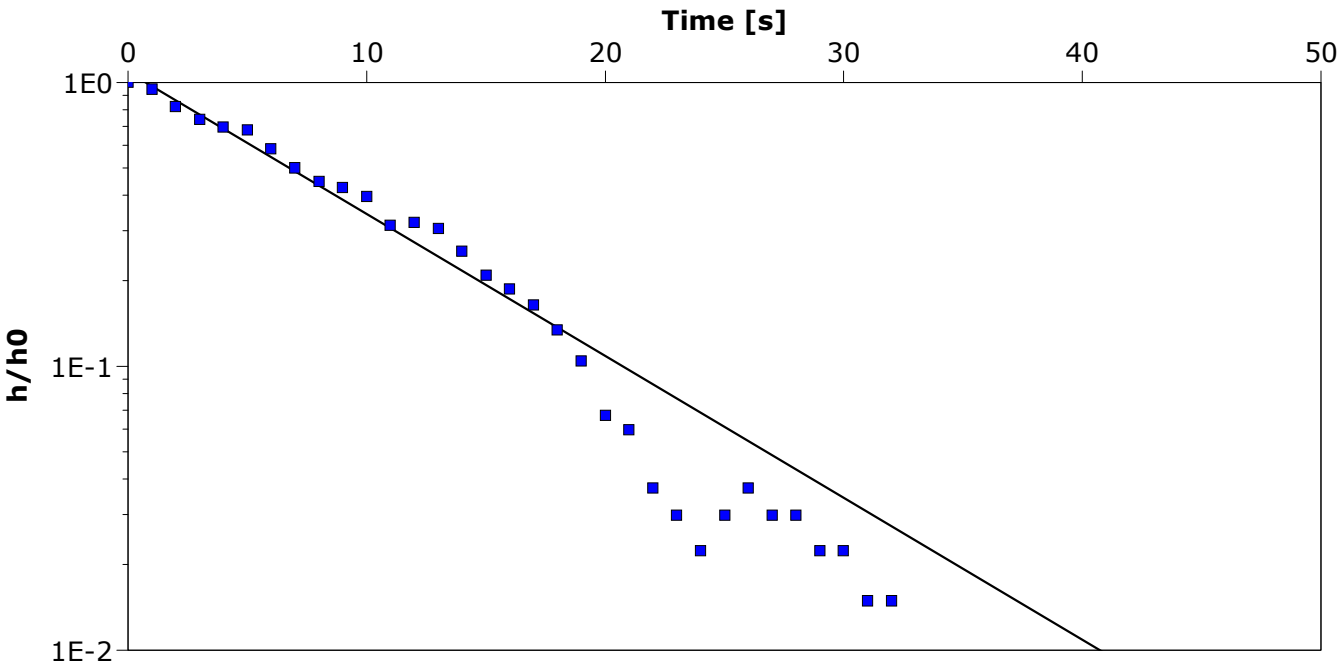
Slug Test Analysis Report

Project: Klaza Preliminary Hydrogeological Assessment

Number: ENVMIN03054-01

Client: Rockhaven Resources Ltd.

Location: Klaza	Slug Test: Falling Head Test 2	Test Well: MW15-01D
Test Conducted by: SK		Test Date: 8/23/2015
Analysis Performed by: SK		Analysis Date: 11/3/2015



Calculation using Bouwer & Rice

Observation Well	Hydraulic Conductivity [m/s]	
MW15-01D	7.58×10^{-6}	

TETRA TECH EBA

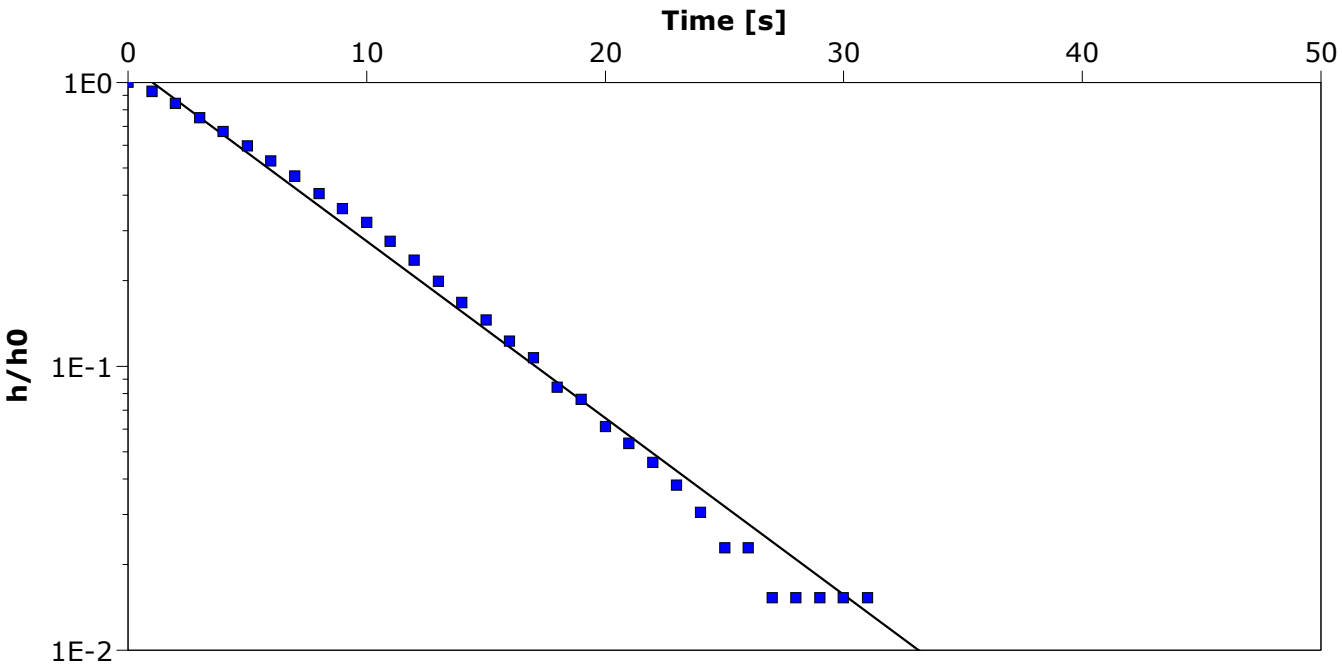
Slug Test Analysis Report

Project: Klaza Preliminary Hydrogeological Assessment

Number: ENVMIN03054-01

Client: Rockhaven Resources Ltd.

Location: Klaza	Slug Test: Rising Head Test 2	Test Well: MW15-01D
Test Conducted by: SK		Test Date: 8/23/2015
Analysis Performed by: SK		Analysis Date: 11/3/2015



Calculation using Bouwer & Rice

Observation Well	Hydraulic Conductivity [m/s]	
MW15-01D	9.44×10^{-6}	

TETRA TECH EBA

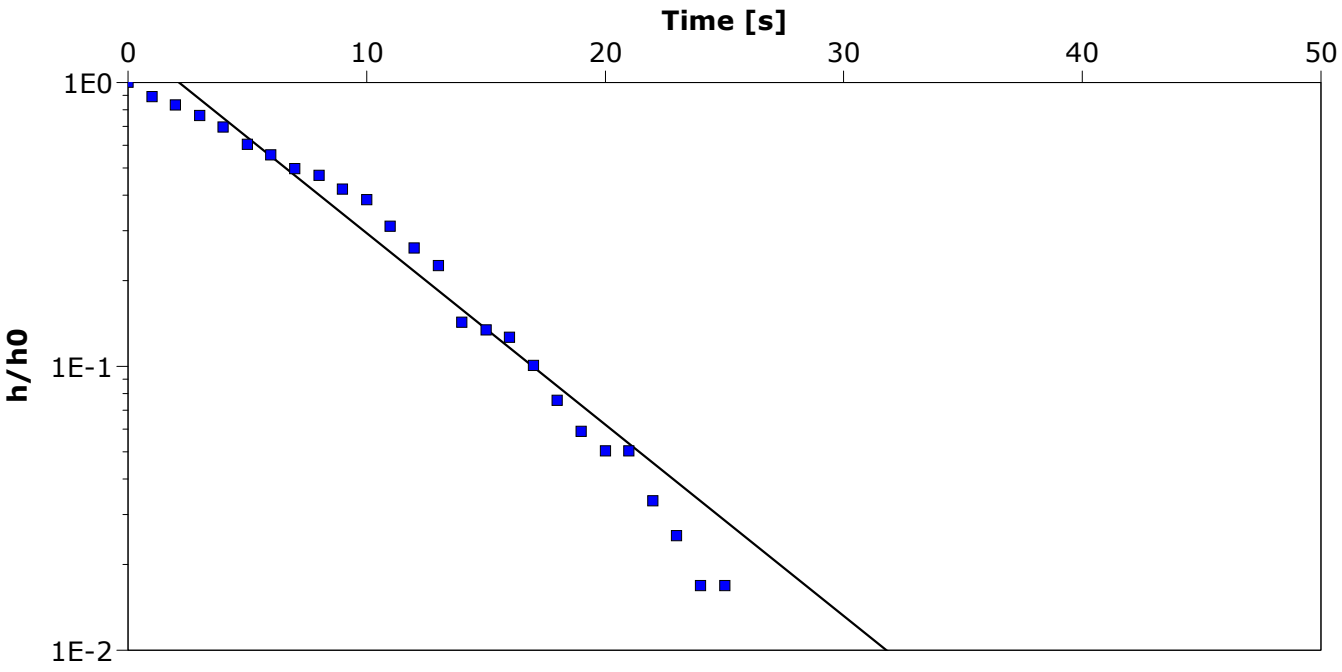
Slug Test Analysis Report

Project: Klaza Preliminary Hydrogeological Assessment

Number: ENVMIN03054-01

Client: Rockhaven Resources Ltd.

Location: Klaza	Slug Test: Falling Head Test 3	Test Well: MW15-01D
Test Conducted by: SK		Test Date: 8/23/2015
Analysis Performed by: SK		Analysis Date: 11/3/2015



Calculation using Bouwer & Rice

Observation Well	Hydraulic Conductivity [m/s]	
MW15-01D	1.02×10^{-5}	

TETRA TECH EBA

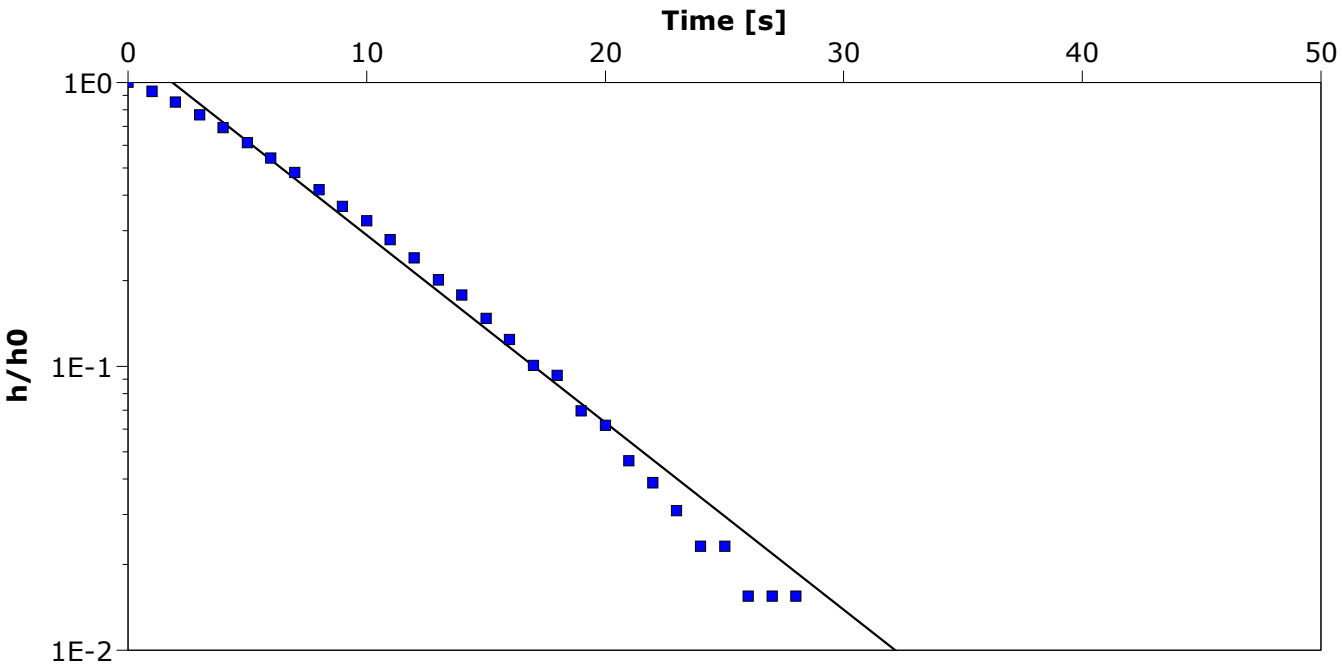
Slug Test Analysis Report

Project: Klaza Preliminary Hydrogeological Assessment

Number: ENVMIN03054-01

Client: Rockhaven Resources Ltd.

Location: Klaza	Slug Test: Rising Head Test 3	Test Well: MW15-01D
Test Conducted by: SK		Test Date: 8/23/2015
Analysis Performed by: SK		Analysis Date: 11/3/2015



Calculation using Bouwer & Rice

Observation Well	Hydraulic Conductivity [m/s]	
MW15-01D	1.00×10^{-5}	

TETRA TECH EBA

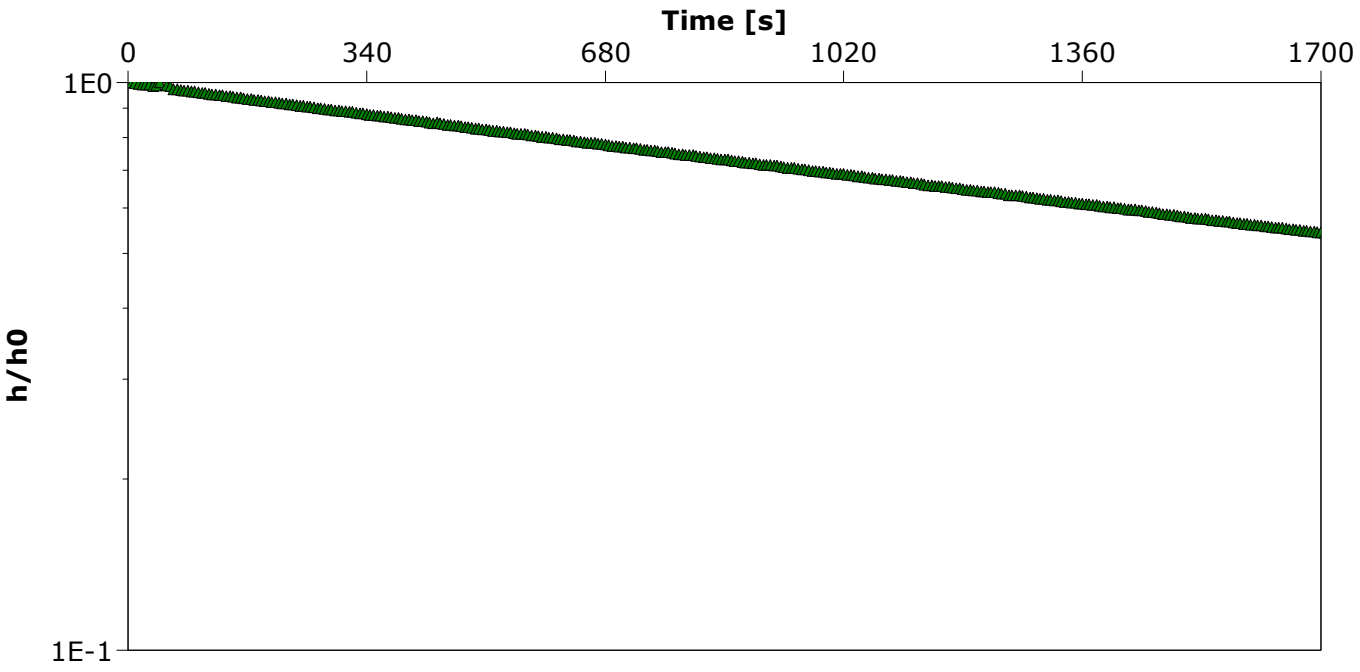
Slug Test Analysis Report

Project: Klaza Preliminary Hydrogeological Assessment

Number: ENVMIN03054-01

Client: Rockhaven Resources Ltd.

Location: Klaza	Slug Test: Falling Head Test 1	Test Well: MW15-04D
Test Conducted by: SK		Test Date: 8/23/2015
Analysis Performed by: SK		Analysis Date: 11/3/2015



Calculation using Bouwer & Rice

Observation Well	Hydraulic Conductivity [m/s]	
MW15-04D	1.70×10^{-8}	

TETRA TECH EBA

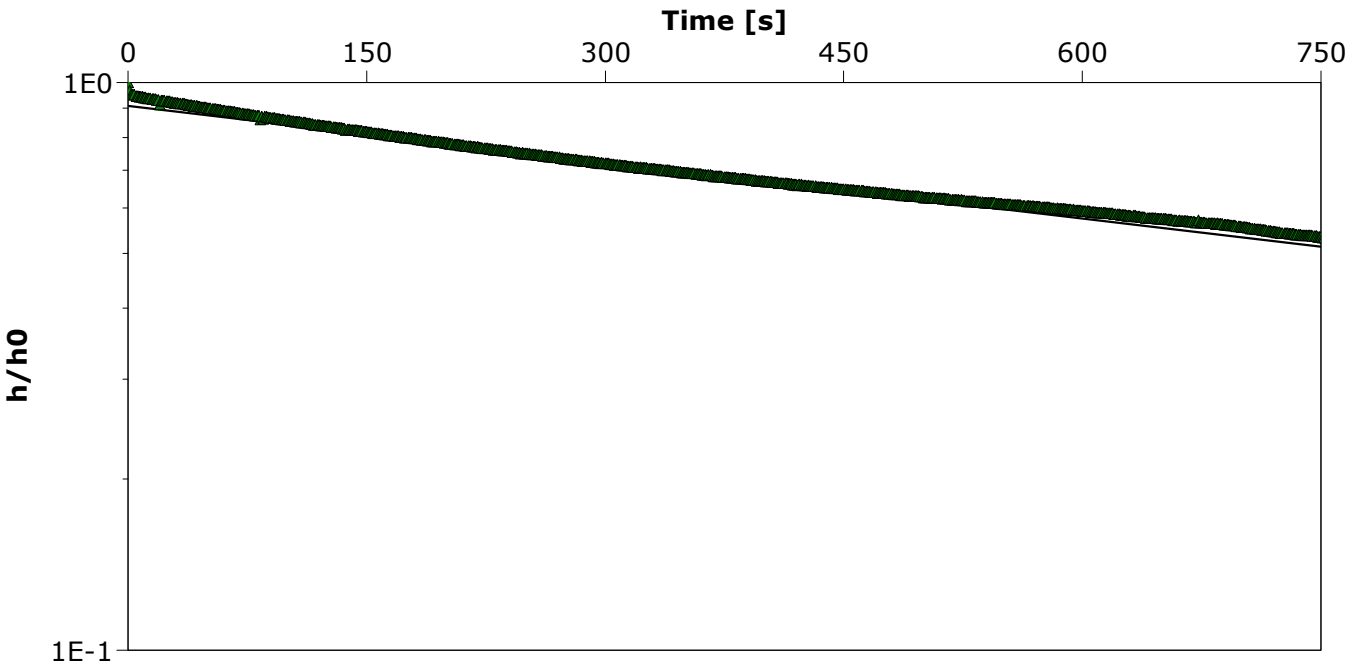
Slug Test Analysis Report

Project: Klaza Preliminary Hydrogeological Assessment

Number: ENVMIN03054-01

Client: Rockhaven Resources Ltd.

Location: Klaza	Slug Test: Rising Head Test 1	Test Well: MW15-04D
Test Conducted by: SK		Test Date: 8/23/2015
Analysis Performed by: SK		Analysis Date: 11/3/2015



Calculation using Bouwer & Rice

Observation Well	Hydraulic Conductivity [m/s]	
MW15-04D	3.64×10^{-8}	

TETRA TECH EBA

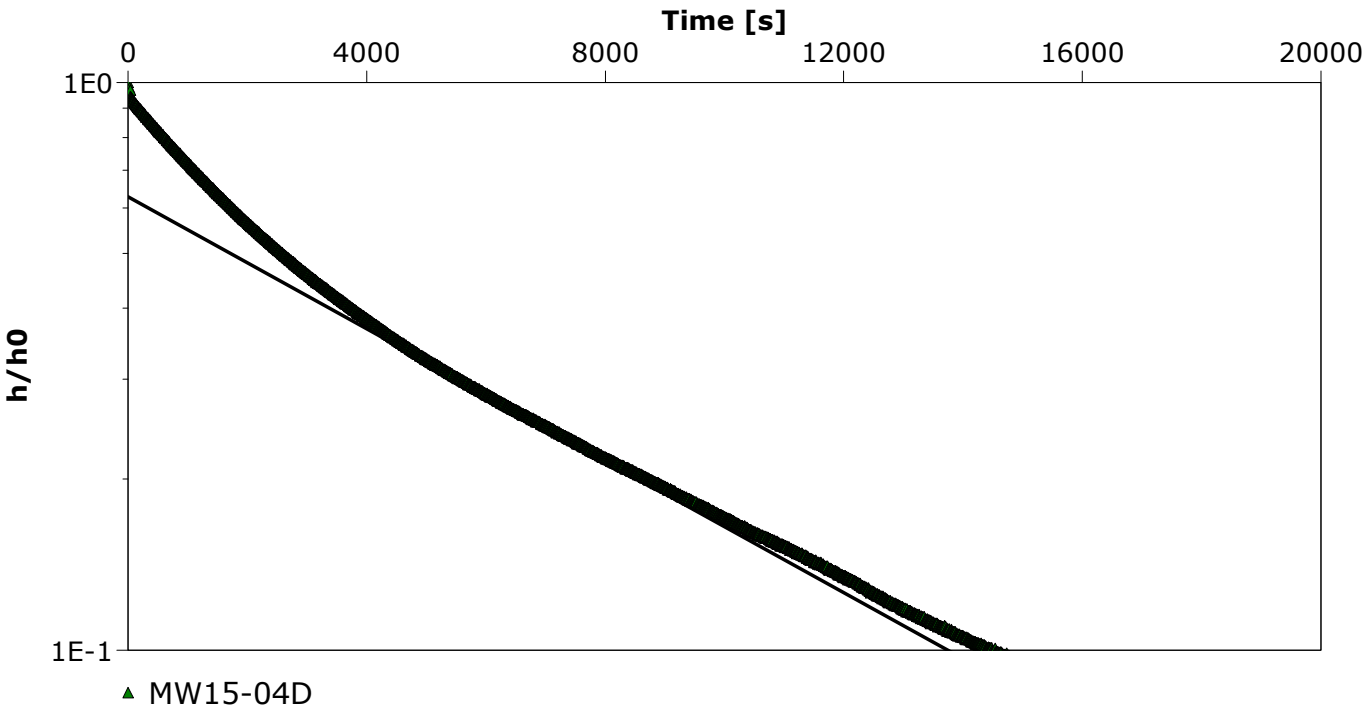
Slug Test Analysis Report

Project: Klaza Preliminary Hydrogeological Assessment

Number: ENVMIN03054-01

Client: Rockhaven Resources Ltd.

Location: Klaza	Slug Test: Falling Head Test 2	Test Well: MW15-04D
Test Conducted by: SK		Test Date: 8/23/2015
Analysis Performed by: SK		Analysis Date: 11/3/2015



Calculation using Bouwer & Rice

Observation Well	Hydraulic Conductivity [m/s]	
MW15-04D	6.41×10^{-9}	

TETRA TECH EBA

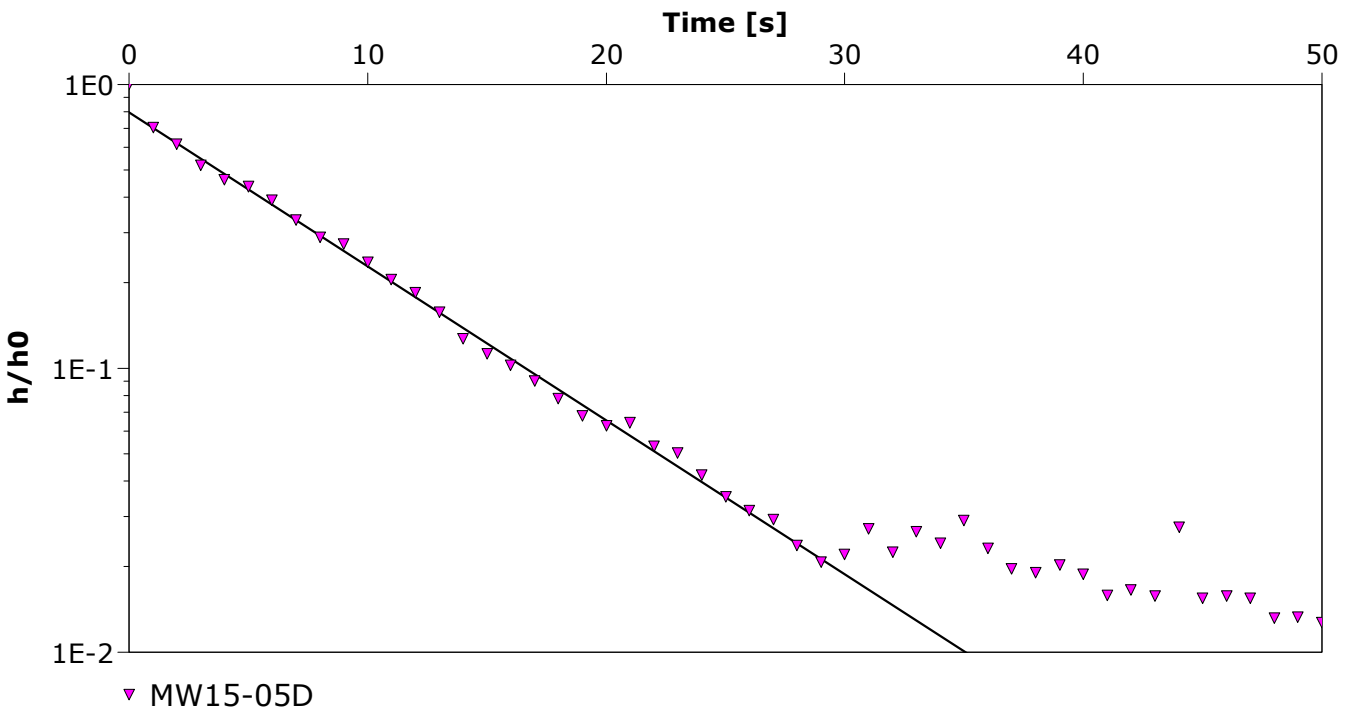
Slug Test Analysis Report

Project: Klaza Preliminary Hydrogeological Assessment

Number: ENVMIN03054-01

Client: Rockhaven Resources Ltd.

Location: Klaza	Slug Test: Falling Head Test 1	Test Well: MW15-05D
Test Conducted by: SK		Test Date: 8/23/2015
Analysis Performed by: SK		Analysis Date: 11/3/2015



Calculation using Bouwer & Rice

Observation Well	Hydraulic Conductivity [m/s]	
MW15-05D	7.80×10^{-6}	

TETRA TECH EBA

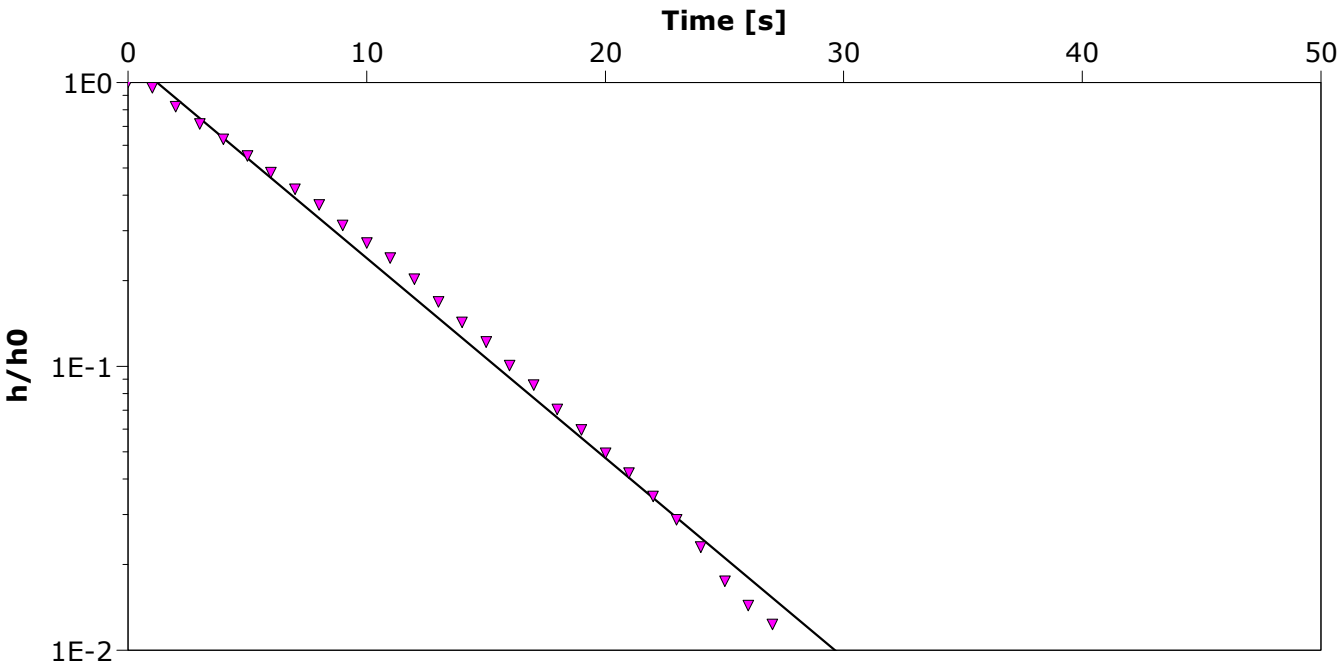
Slug Test Analysis Report

Project: Klaza Preliminary Hydrogeological Assessment

Number: ENVMIN03054-01

Client: Rockhaven Resources Ltd.

Location: Klaza	Slug Test: Rising Head Test 1	Test Well: MW15-05D
Test Conducted by: SK		Test Date: 8/23/2015
Analysis Performed by: SK		Analysis Date: 11/3/2015



Calculation using Bouwer & Rice

Observation Well	Hydraulic Conductivity [m/s]	
MW15-05D	1.01×10^{-5}	

TETRA TECH EBA

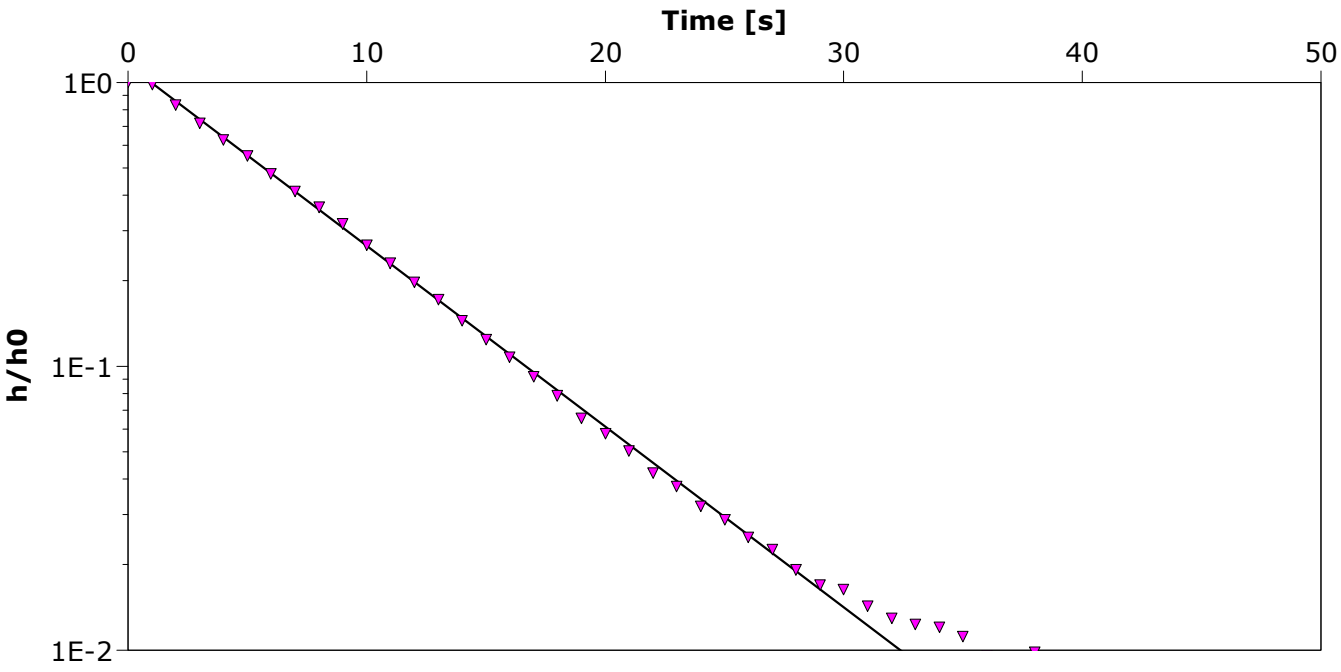
Slug Test Analysis Report

Project: Klaza Preliminary Hydrogeological Assessment

Number: ENVMIN03054-01

Client: Rockhaven Resources Ltd.

Location: Klaza	Slug Test: Rising Head Test 2	Test Well: MW15-05D
Test Conducted by: SK		Test Date: 8/23/2015
Analysis Performed by: SK		Analysis Date: 11/3/2015



Calculation using Bouwer & Rice

Observation Well	Hydraulic Conductivity [m/s]	
MW15-05D	9.16×10^{-6}	

TETRA TECH EBA

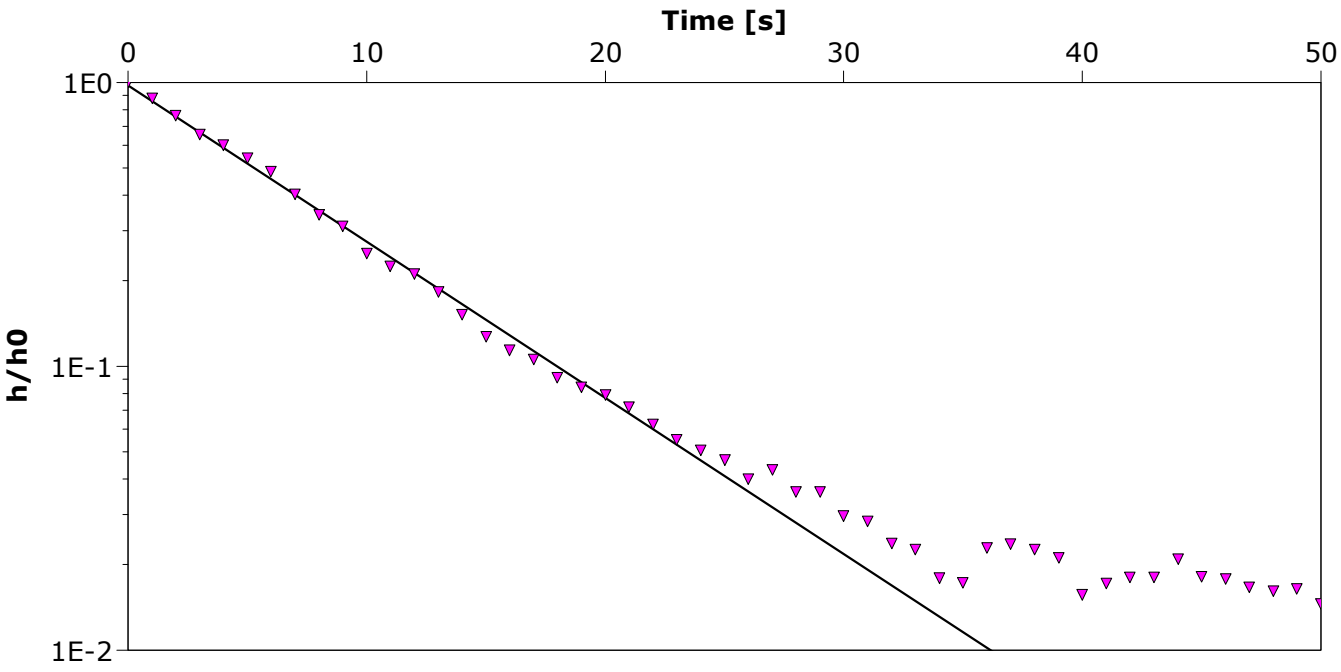
Slug Test Analysis Report

Project: Klaza Preliminary Hydrogeological Assessment

Number: ENVMIN03054-01

Client: Rockhaven Resources Ltd.

Location: Klaza	Slug Test: Falling Head Test 3	Test Well: MW15-05D
Test Conducted by: SK		Test Date: 8/23/2015
Analysis Performed by: SK		Analysis Date: 11/3/2015



Calculation using Bouwer & Rice

Observation Well	Hydraulic Conductivity [m/s]	
MW15-05D	7.92×10^{-6}	

APPENDIX E

PACKER TEST DATA AND CORE PHOTO LOG

Constant Head (CH) and Falling/Rising Head (F/RH) Packer Test - Field Form

Client: Rockhaven Resources
Project: Klaza
Project #: ENVMIN03054
Personnel: ER and SK

Collar El.: 1441 m
Trend: 35 deg
Plunge: -50 deg
Date: 25-Jun-15

Hole #: VWP15-01 / KL-15-252
Hole Size: HQ
Design Test Interval: 132 - 187 ft
Test #: 1

Packer Setup Type: Single

Pressure Interval 1	Pressure	Volume	Δ Volume
Minutes	kPa	m3	m3
0	60.0	85.6195	-
1	62.0	85.6195	0.0000
2	62.0	85.6197	0.0002
3	62.0	85.6197	0.0000
4			
5			
6			
7			
8			
9			
10			
Stable Ave.	62.0		0.0001

Pressure Interval 2	Pressure	Volume	Δ Volume
Minutes	kPa	m3	m3
0	135.0	85.6200	-
1			
2	135.0	85.6202	0.0001
3			
4	135.0	85.6210	0.0004
5	135.0	85.6210	0.0000
6			
7			
8			
9			
10			
Stable Ave.	135.0		0.0002

Pressure Interval 3	Pressure	Volume	Δ Volume
Minutes	kPa	m3	m3
0	215	85.6215	-
1	220	85.6222	0.0007
2	225	85.6227	0.0005
3			
4			
5			
6			
7			
8			
9			
10			
Stable Ave.	222.5		0.0006

Pressure Interval 4	Pressure	Volume	Δ Volume
Minutes	kPa	m3	m3
0			-
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
Stable Ave.			

Pressure Interval 5	Pressure	Volume	Δ Volume
Minutes	kPa	m3	m3
0			-
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
Stable Ave.			

Pressure Interval 6	Pressure	Volume	Δ Volume
Minutes	kPa	m3	m3
0			-
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			

Measurements

Depth to Water from Top of Stickup:	57.0	m toc
Top of Packer Interval:	40.20	m ah*
Bottom of Packer Interval (or Bottom of Hole):	57.00	m ah
Packer Inflation Pressure:	275	psi
Rod Stickup Height:	2.00	m ags
Water Flushed (Vol./Time/Until Clean):		
Packer Pipe ID/ or Drill Rod ID (circle one):		
Borehole Outside Diameter:	96	mm
Vertical height of gauge above ground:	2.00	m ags

* m ah - metres along hole

Measurement Units

Volume:	m^3
Pressure:	kPa (psi for packer inflation)
Length:	m

Time

Start Flushing:	
End Flushing:	1h flush
Start Packer Testing:	
End Packer Testing:	

FALLING HEAD TEST or RISING HEAD TEST

Time (Min)	Depth to H2O (m)	Δ Depth/Min
0		-
1		
2		
4		
6		
8		
10		
15		
20		
25		
30		
40		
50		
60		

Additional Comments: Increased tested interval from Test #1 (same depth to bottom)

Added row of tape between adaptor and drill rod to minimize leak… still leaking a tiny bit.

Hole #: VWP15-01 / KL-15-252
Test #: 1

TETRA TECH EBA

Calculation Input Parameters

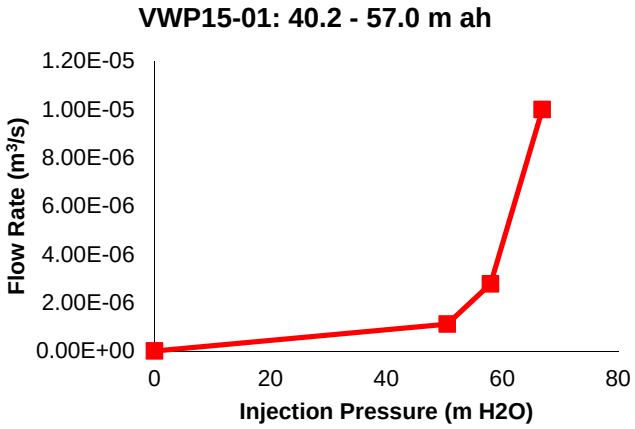
$$K = \frac{Q \times \ln\left(\frac{L \sin(A)}{r}\right)}{2 \times \pi \times L \sin(A) \times dH}$$

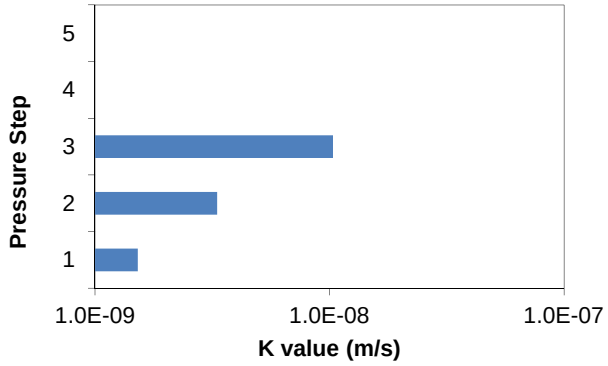
Top of Packer Test Interval (mah):	40.2
Bottom of Packer Test Interval (mah):	57.0
L: Length of Test Interval (mah)	16.8
Test Interval Midpoint (mah):	48.6
Stickup Height (mah):	2.00
Pressure Gauge Height (m above ground):	2.00
Depth to Water Table (mah):	57.00
Borehole Diameter (mm):	96.00
r: Borehole Radius (m):	0.048
A: Angle From Horizontal (deg):	-50

* mah indicates "meters along hole"

Pressure Step	Pressure (psi)	Pressure (kPa)	Pressure (m of water)	Head Differential dH (m)	Flowrate Q (m^3/s):	Flowrate Q (L/min)	Hydraulic Conductivity K (m/s)
1	9.0	62.0	6.3	50.5	1.1E-06	0.067	1.5E-09
2	19.6	135.0	13.8	57.9	2.8E-06	0.167	3.3E-09
3	32.3	222.5	22.7	66.8	1.0E-05	0.600	1.0E-08
4							
5							
						Geometric Mean:	**3.7E-09**

Diagnostic Plots





Constant Head (CH) and Falling/Rising Head (F/RH) Packer Test - Field Form

Client: Rockhaven Resources
Project: Klaza
Project #: ENVMIN03054
Personnel: ER and SK

Collar El.: 1441 m
Trend: 35 deg
Plunge: -50 deg
Date: 25-Jun-15

Hole #: VWP15-01 / KL-15-252
Hole Size: HQ
Design Test Interval: 162 - 187 ft
Test #: 2

Packer Setup Type: Single

Pressure Interval 1	Pressure	Volume	Δ Volume
Minutes	kPa	m3	m3
0	60.0	85.5965	-
1	78.0	85.5965	0.0000
2	78.0	85.5965	0.0000
3	78.0	85.5970	0.0005
4	75.0	85.5970	0.0000
5			
6			
7			
8			
9			
10			
Stable Ave.	77.3		0.0001

Pressure Interval 2	Pressure	Volume	Δ Volume
Minutes	kPa	m3	m3
0	140.0	85.5970	-
1	150.0	85.5978	
2			
3	150.0	85.5982	0.0002
4			
5	150.0	85.5988	0.0003
6			
7			
8			
9			
10			
Stable Ave.	150.0		0.0002

Pressure Interval 3	Pressure	Volume	Δ Volume
Minutes	kPa	m3	m3
0	190	85.5990	-
1			
2	200	85.6002	0.0006
3	200	85.6002	0.0000
4			
5			
6			
7			
8			
9			
10			
Stable Ave.	200.0		0.0003

Pressure Interval 4	Pressure	Volume	Δ Volume
Minutes	kPa	m3	m3
0			-
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
Stable Ave.			

Pressure Interval 5	Pressure	Volume	Δ Volume
Minutes	kPa	m3	m3
0			-
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
Stable Ave.			

Pressure Interval 6	Pressure	Volume	Δ Volume
Minutes	kPa	m3	m3
0			-
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			

Measurements

Depth to Water from Top of Stickup:	57.0	m toc
Top of Packer Interval:	49.40	m ah*
Bottom of Packer Interval (or Bottom of Hole):	57.00	m ah
Packer Inflation Pressure:	300	psi
Rod Stickup Height:	2.00	m ags
Water Flushed (Vol./Time/Until Clean):		
Packer Pipe ID/ or Drill Rod ID (circle one):		
Borehole Outside Diameter:	96	mm
Vertical height of gauge above ground:	2.00	m ags

* m ah - metres along hole

Measurement Units

Volume:	m^3
Pressure:	kPa (psi for packer inflation)
Length:	m

Time

Start Flushing:	
End Flushing:	1h flush
Start Packer Testing:	340
End Packer Testing:	

FALLING HEAD TEST or RISING HEAD TEST

Time (Min)	Depth to H2O (m)	Δ Depth/Min
0		-
1		
2		
4		
6		
8		
10		
15		
20		
25		
30		
40		
50		
60		

Additional Comments: Small leak betweek stuffing box adaptor and drilling rod, likely responsible for volume change observed. Probably would not be any notable volume change if not leaking.

Hole #: VWP15-01 / KL-15-252
Test #: 2

TETRA TECH EBA

Calculation Input Parameters

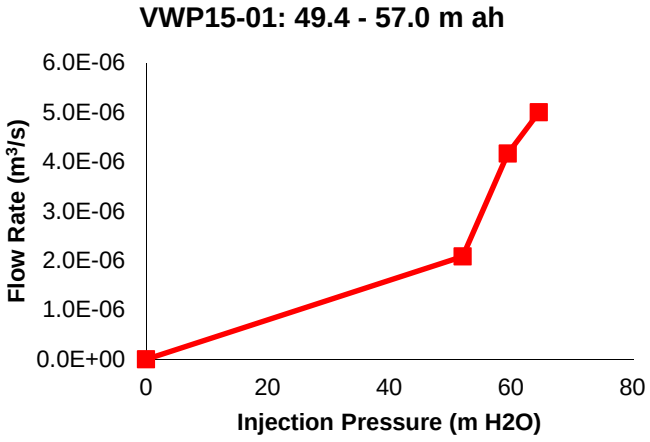
$$K = \frac{Q \times \ln\left(\frac{L \sin(A)}{r}\right)}{2 \times \pi \times L \sin(A) \times dH}$$

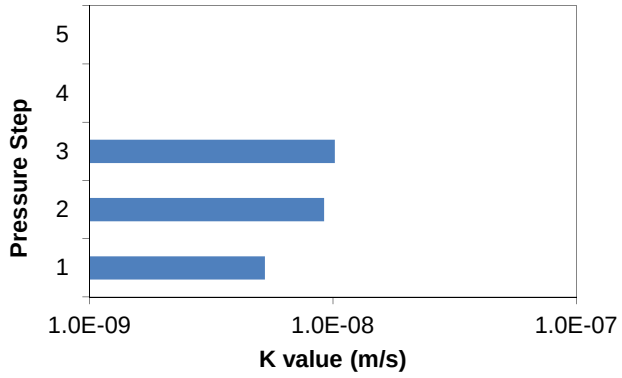
Top of Packer Test Interval (mah):	49.4
Bottom of Packer Test Interval (mah):	57.0
L: Length of Test Interval (mah)	7.6
Test Interval Midpoint (mah):	53.2
Stickup Height (mah):	2.00
Pressure Gauge Height (m above ground):	2.00
Depth to Water Table (mah):	57.00
Borehole Diameter (mm):	96
r: Borehole Radius (m):	0.048
A: Angle From Horizontal (deg):	-50

* mah indicates "meters along hole"

Pressure Step	Pressure (psi)	Pressure (kPa)	Pressure (m of water)	Head Differential dH (m)	Flowrate Q (m^3/s)	Hydraulic Conductivity K (m/s)
1	11.2	77.3	7.9	52.0	2.1E-06	5.3E-09
2	21.8	150.0	15.3	59.4	4.2E-06	9.2E-09
3	29.0	200.0	20.4	64.5	5.0E-06	1.0E-08
4						
5						
					Geometric Mean:	**7.9E-09**

Diagnostic Plots





Constant Head (CH) and Falling/Rising Head (F/RH) Packer Test - Field Form

Client: Rockhaven Resources
Project: Klaza
Project #: ENVMIN03054
Personnel: Kristen Range

Collar El.: 1441 m
Trend: 35 deg
Plunge: -50 deg
Date: 25-Jun-15

Hole #: VWP15-01 / KL-15-252
Hole Size: HQ
Design Test Interval: 272 - 297 ft
Test #: 3

Packer Setup Type: Single

Pressure Interval 1

Minutes	Pressure kPa	Volume m3	Δ Volume m3
0	130.0	85.6455	-
1			
2	130.0	85.6455	0.0000
3			
4	130.0	85.6455	0.0000
5			
6			
7			
8			
9			
10			
Stable Ave.	130.0		0.0000

Pressure Interval 2

Minutes	Pressure kPa	Volume m3	Δ Volume m3
0	240.0	85.6435	-
1	240.0	85.6440	0.0005
2	240.0	85.6440	0.0000
3	240.0	85.6450	
4	240.0	85.6450	0.0000
5	240.0	85.6455	0.0005
6	240.0	85.6455	0.0000
7			
8		85.6458	0.0001
9			
10		85.6460	0.0001
Stable Ave.	240.0		0.0003

Pressure Interval 3

Minutes	Pressure kPa	Volume m3	Δ Volume m3
0	360	85.6460	-
1			
2	360	85.6462	0.0001
3			
4	360	85.6468	0.0003
5			
6	360	85.6472	0.0002
7			
8			
9			
10			
Stable Ave.	360.0		0.0002

Pressure Interval 4

Minutes	Pressure kPa	Volume m3	Δ Volume m3
0	240	85.6472	-
1			
2	240	85.6475	0.0001
3			
4	240	85.6478	0.0002
5	240	85.648	0.0002
6			
7			
8			
9			
10			
Stable Ave.	240.0		0.0002

Pressure Interval 5

Minutes	Pressure kPa	Volume m3	Δ Volume m3
0	120.0	85.6480	-
1			
2	120.0	85.6481	0.0001
3			
4	120.0	85.6481	0.0000
5	120.0	85.6482	0.0001
6			
7			
8			
9			
10			
Stable Ave.	120.0		0.0001

Pressure Interval 6

Minutes	Pressure kPa	Volume m3	Δ Volume m3
0			-
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			

Measurements

Depth to Water from Top of Stickup:	90.5	m toc
Top of Packer Interval:	82.90	m ah*
Bottom of Packer Interval (or Bottom of Hole):	90.50	m ah
Packer Inflation Pressure:	350	psi
Rod Stickup Height:	2.00	m ags
Water Flushed (Vol./Time/Until Clean):		
Packer Pipe ID/ or Drill Rod ID (circle one):		
Borehole Outside Diameter:	96	mm
Vertical height of gauge above ground:	2.00	m ags

* m ah - metres along hole

Measurement Units

Volume:	m^3
Pressure:	kPa (psi for packer inflation)
Length:	m

Time

Start Flushing:	1210
End Flushing:	1225
Start Packer Testing:	1300
End Packer Testing:	1325

FALLING HEAD TEST or RISING HEAD TEST

Time (Min)	Depth to H2O (m)	Δ Depth/Min
0		-
1		
2		
4		
6		
8		
10		
15		
20		
25		
30		
40		
50		
60		

Additional Comments: Ran out of water at first attempt. Restarted test at 1pm

Increased to 240 kpa at 1:04 pm, small leak at stuffing box

Test interval over fault zone (282 to 292 ft)

Hole #: VWP15-01 / KL-15-252
Test #: 3

TETRA TECH EBA

Calculation Input Parameters

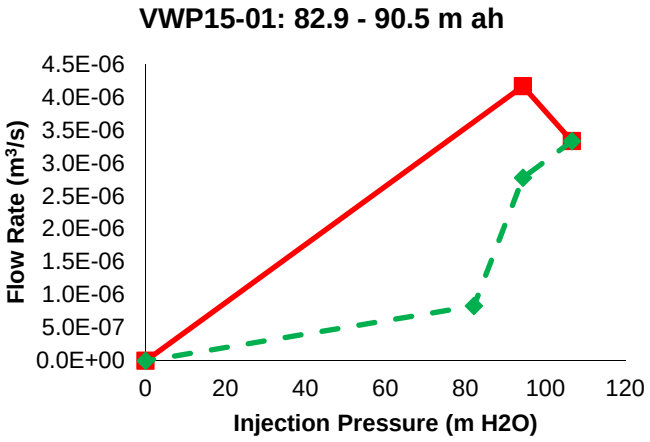
$$K = \frac{Q \times \ln\left(\frac{L \sin(A)}{r}\right)}{2 \times \pi \times L \sin(A) \times dH}$$

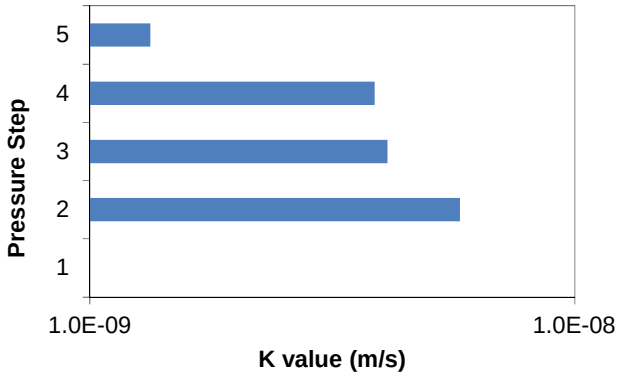
Top of Packer Test Interval (mah):	82.9
Bottom of Packer Test Interval (mah):	90.5
L: Length of Test Interval (mah)	7.6
Test Interval Midpoint (mah):	86.7
Stickup Height (mah):	2.00
Pressure Gauge Height (m above ground):	2.00
Depth to Water Table (mah):	90.50
Borehole Diameter (mm):	96
r: Borehole Radius (m):	0.048
A: Angle From Horizontal (deg):	-50

* mah indicates "meters along hole"

Pressure Step	Pressure (psi)	Pressure (kPa)	Pressure (m of water)	Head Differential dH (m)	Flowrate Q (m^3/s)	Hydraulic Conductivity K (m/s)
1						
2	34.8	240.0	24.5	94.3	4.2E-06	5.8E-09
3	52.2	360.0	36.7	106.5	3.3E-06	4.1E-09
4	34.8	240.0	24.5	94.3	2.8E-06	3.9E-09
5	17.4	120.0	12.2	82.0	8.3E-07	1.3E-09
					Geometric Mean:	**3.3E-09**

Diagnostic Plots





Constant Head (CH) and Falling/Rising Head (F/RH) Packer Test - Field Form

Client: Rockhaven Resources
Project: Klaza
Project #: ENVMIN03054
Personnel: ER and SK

Collar El.: 1441 m
Trend: 35 deg
Plunge: -50 deg
Date: 26-Jun-15

Hole #: VWP15-01 / KL-15-252
Hole Size: HQ
Design Test Interval: 412 - 457 ft
Test #: 4

Packer Setup Type: Single

Measurements

Depth to Water from Top of Stickup:	139.3	m toc
Top of Packer Interval:	125.60	m ah*
Bottom of Packer Interval (or Bottom of Hole):	139.30	m ah
Packer Inflation Pressure:	400	psi
Rod Stickup Height:	2.00	m ags
Water Flushed (Vol./Time/Until Clean):		
Packer Pipe ID/ or Drill Rod ID (circle one):		
Borehole Outside Diameter:	96	mm
Vertical height of gauge above ground:	2.00	m ags

* m ah - metres along hole

Measurement Units

Volume:	m^3
Pressure:	kPa (psi for packer inflation)
Length:	m

Time

Start Flushing:	
End Flushing:	
Start Packer Testing:	
End Packer Testing:	

Pressure Interval 1

Minutes	Pressure kPa	Volume m3	Δ Volume m3
0	235.0	85.7545	-
1	235.0	85.7550	0.0005
2			
3	235.0	85.7555	0.0003
4			
5			
6			
7			
8			
9			
10			
Stable Ave.	235.0		0.0004

Pressure Interval 2

Minutes	Pressure kPa	Volume m3	Δ Volume m3
0	460.0	85.7560	-
1	460.0	85.7565	0.0005
2			
3	460.0	85.7575	0.0005
4			
5			
6			
7			
8			
9			
10			
Stable Ave.	460.0		0.0005

Pressure Interval 3

Minutes	Pressure kPa	Volume m3	Δ Volume m3
0	730	85.7580	-
1	730	85.7587	0.0007
2	730	85.7594	0.0007
3	730	85.7600	0.0006
4			
5			
6			
7			
8			
9			
10			
Stable Ave.	730.0		0.0007

Pressure Interval 4

Minutes	Pressure kPa	Volume m3	Δ Volume m3
0			-
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
Stable Ave.	#DIV/0!		#DIV/0!

Pressure Interval 5

Minutes	Pressure kPa	Volume m3	Δ Volume m3
0			-
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
Stable Ave.	#DIV/0!		#DIV/0!

Pressure Interval 6

Minutes	Pressure kPa	Volume m3	Δ Volume m3
0			-
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			

FALLING HEAD TEST or RISING HEAD TEST

Time (Min)	Depth to H2O (m)	Δ Depth/Min
0		-
1		
2		
4		
6		
8		
10		
15		
20		
25		
30		
40		
50		
60		

Additional Comments: Stuffing box adaptor leaking even with tape and very tight

Difficult to read pressures greater than 350 kpa accurately due to oscillations

At 730 kpa, top of stuffing box is leaking as well

Hole #: VWP15-01 / KL-15-252
Test #: 4

TETRA TECH EBA

Calculation Input Parameters

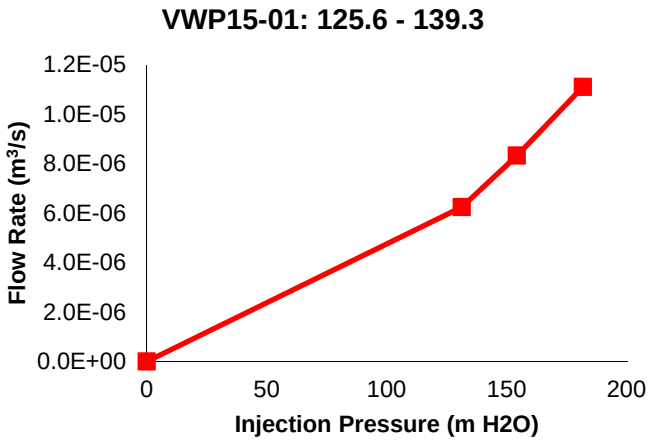
$$K = \frac{Q \times \ln\left(\frac{L \sin(A)}{r}\right)}{2 \times \pi \times L \sin(A) \times dH}$$

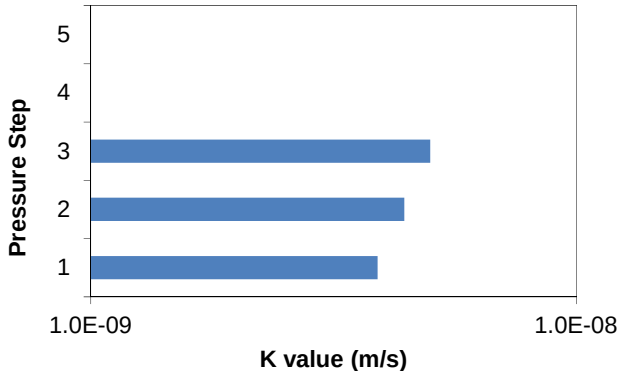
Top of Packer Test Interval (mah):	125.6
Bottom of Packer Test Interval (mah):	139.3
L: Length of Test Interval (mah)	13.7
Test Interval Midpoint (mah):	132.5
Stickup Height (mah):	2.00
Pressure Gauge Height (m above ground):	2.00
Depth to Water Table (mah):	139.30
Borehole Diameter (mm):	96
r: Borehole Radius (m):	0.048
A: Angle From Horizontal (deg):	-50

* mah indicates "meters along hole"

Pressure Step	Pressure (psi)	Pressure (kPa)	Pressure (m of water)	Head Differential dH (m)	Flowrate Q (m^3/s)	Hydraulic Conductivity K (m/s)
1	34.1	235.0	24.0	131.1	6.3E-06	3.9E-09
2	66.7	460.0	46.9	154.1	8.3E-06	4.4E-09
3	105.9	730.0	74.4	181.6	1.1E-05	5.0E-09
4						
5						
					Geometric Mean:	**4.4E-09**

Diagnostic Plots





Constant Head (CH) and Falling/Rising Head (F/RH) Packer Test - Field Form

Client: Rockhaven Resources
Project: Klaza
Project #: ENVMIN03054
Personnel: Kristen Range

Collar El.: 1441 m
Trend: 35 deg
Plunge: -50 deg
Date: 26-Jun-15

Hole #: VWP15-01 / KL-15-252
Hole Size: HQ
Design Test Interval: 502 - 547 ft
Test #: 5

Packer Setup Type: Single

Pressure Interval 1	Pressure	Volume	Δ Volume
Minutes	kPa	m3	m3
0	233.0	85.7655	-
1	220.0	85.7660	0.0005
2	220.0	85.7665	0.0005
3	220.0	85.7670	0.0005
4	220.0	85.7675	0.0005
5	220.0	85.7675	0.0000
6			
7			
8			
9			
10			
Stable Ave.	220.0		0.0004

Pressure Interval 2	Pressure	Volume	Δ Volume
Minutes	kPa	m3	m3
0	450.0	85.7675	-
1	450.0	85.7680	0.0005
2	460.0	85.7682	0.0002
3	460.0	85.7685	0.0003
4	460.0	85.7690	0.0005
5	460.0	85.7695	0.0005
6			
7			
8			
9			
10			
Stable Ave.	458.0		0.0004

Pressure Interval 3	Pressure	Volume	Δ Volume
Minutes	kPa	m3	m3
0	710	85.7695	-
1	730		
2	740	85.7710	0.0008
3	740	85.7720	0.0010
4	740	85.7735	0.0015
5	740	85.7750	0.0015
6			
7			
8			
9			
10			
Stable Ave.	738.0		0.0012

Pressure Interval 4	Pressure	Volume	Δ Volume
Minutes	kPa	m3	m3
0	420	87.77522	-
1	420	87.7758	0.0006
2	420	87.776	0.0002
3	420	87.7762	0.0002
4	420	87.7765	0.0003
5	420	87.7768	0.0003
6			
7			
8			
9			
10			
Stable Ave.	420.0		0.0003

Pressure Interval 5	Pressure	Volume	Δ Volume
Minutes	kPa	m3	m3
0	220.0	87.7768	-
1	220.0		
2	220.0	87.7770	0.0001
3	240.0		
4	240.0	87.7775	0.0003
5	230.0	87.7778	0.0003
6			
7			
8			
9			
10			
Stable Ave.	230.0		0.0002

Pressure Interval 6	Pressure	Volume	Δ Volume
Minutes	kPa	m3	m3
0			-
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			

Measurements

Depth to Water from Top of Stickup:	166.7	m toc
Top of Packer Interval:	153.00	m ah*
Bottom of Packer Interval (or Bottom of Hole):	166.70	m ah
Packer Inflation Pressure:	400	psi
Rod Stickup Height:	2.00	m ags
Water Flushed (Vol./Time/Until Clean):		
Packer Pipe ID/ or Drill Rod ID (circle one):		
Borehole Outside Diameter:	96	mm
Vertical height of gauge above ground:	2.00	m ags

* m ah - metres along hole

Measurement Units

Volume:	m^3
Pressure:	kPa (psi for packer inflation)
Length:	m

Time

Start Flushing:	1105
End Flushing:	1120
Start Packer Testing:	
End Packer Testing:	1245

FALLING HEAD TEST or RISING HEAD TEST

Time (Min)	Depth to H2O (m)	Δ Depth/Min
0		-
1		
2		
4		
6		
8		
10		
15		
20		
25		
30		
40		
50		
60		

Additional Comments: At 220 kpa, no leaks from sub. At 450 kpa, small beads of water leaking from sub. Very minimal. At 700 kpa, 50-60 mL / 2 min. Leak @ 420 kpa about 50-60 mL / 2 min, same at 2

Hole #: VWP15-01 / KL-15-252
Test #: 5

TETRA TECH EBA

Calculation Input Parameters

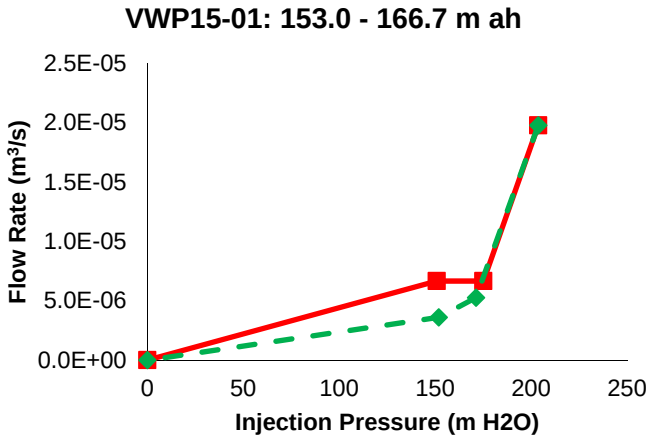
$$K = \frac{Q \times \ln\left(\frac{L \sin(A)}{r}\right)}{2 \times \pi \times L \sin(A) \times dH}$$

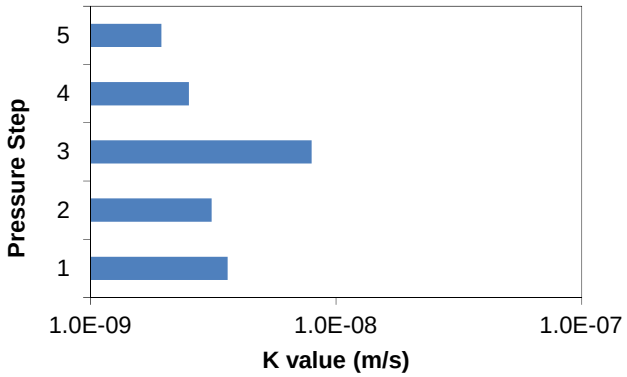
Top of Packer Test Interval (mah):	153.0
Bottom of Packer Test Interval (mah):	166.7
L: Length of Test Interval (mah)	13.7
Test Interval Midpoint (mah):	159.9
Stickup Height (mah):	2.00
Pressure Gauge Height (m above ground):	2.00
Depth to Water Table (mah):	166.70
Borehole Diameter (mm):	96
r: Borehole Radius (m):	0.048
A: Angle From Horizontal (deg):	-50

* mah indicates "meters along hole"

Pressure Step	Pressure (psi)	Pressure (kPa)	Pressure (m of water)	Head Differential dH (m)	Flowrate Q (m^3/s)	Hydraulic Conductivity K (m/s)
1	31.9	220.0	22.4	150.6	6.7E-06	3.6E-09
2	66.4	458.0	46.7	174.9	6.7E-06	3.1E-09
3	107.0	738.0	75.3	203.4	2.0E-05	7.9E-09
4	60.9	420.0	42.8	171.0	5.3E-06	2.5E-09
5	33.4	230.0	23.5	151.6	3.6E-06	1.9E-09
					Geometric Mean:	**3.4E-09**

Diagnostic Plots





Constant Head (CH) and Falling/Rising Head (F/RH) Packer Test - Field Form

Client: Rockhaven Resources
Project: Klaza
Project #: ENVMIN03054
Personnel: Eliane Roy

Collar El.: 1441 m
Trend: 35 deg
Plunge: -50 deg
Date: 27-Jun-15

Hole #: VWP15-01 / KL-15-252
Hole Size: HQ
Design Test Interval: 772 - 887 ft
Test #: 6

Packer Setup Type: Single

Pressure Interval 1	Pressure	Volume	Δ Volume
Minutes	kPa	m3	m3
0	220.0	89.9755	-
1	225.0	89.9755	0.0000
2	225.0	89.9755	0.0000
3	225.0	89.9755	0.0000
4			
5			
6			
7			
8			
9			
10			
Stable Ave.	225.0		0.0000

Pressure Interval 2	Pressure	Volume	Δ Volume
Minutes	kPa	m3	m3
0	470.0	89.9755	-
1	470.0	89.9760	0.0005
2	470.0	89.9760	0.0000
3	475.0	89.9760	0.0000
4			
5			
6			
7			
8			
9			
10			
Stable Ave.	471.7		0.0002

Pressure Interval 3	Pressure	Volume	Δ Volume
Minutes	kPa	m3	m3
0	675	89.9760	-
1	675	89.9760	
2	675	89.9760	0.0000
3	675	89.9762	0.0002
4			
5			
6			
7			
8			
9			
10			
Stable Ave.	675.0		0.0001

Pressure Interval 4	Pressure	Volume	Δ Volume
Minutes	kPa	m3	m3
0			-
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
Stable Ave.	#DIV/0!		#DIV/0!

Pressure Interval 5	Pressure	Volume	Δ Volume
Minutes	kPa	m3	m3
0			-
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
Stable Ave.	#DIV/0!		#DIV/0!

Pressure Interval 6	Pressure	Volume	Δ Volume
Minutes	kPa	m3	m3
0			-
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			

Measurements

Depth to Water from Top of Stickup:	188.4	m toc
Top of Packer Interval:	235.00	m ah*
Bottom of Packer Interval (or Bottom of Hole):	270.00	m ah
Packer Inflation Pressure:	600	psi
Rod Stickup Height:	2.00	m ags
Water Flushed (Vol./Time/Until Clean):		
Packer Pipe ID/ or Drill Rod ID (circle one):		
Borehole Outside Diameter:	96	mm
Vertical height of gauge above ground:	2.00	m ags

* m ah - metres along hole

Measurement Units

Volume:	m^3
Pressure:	kPa (psi for packer inflation)
Length:	m

Time

Start Flushing:	2320
End Flushing:	0010
Start Packer Testing:	0115
End Packer Testing:	0128

FALLING HEAD TEST or RISING HEAD TEST

Time (Min)	Depth to H2O (m)	Δ Depth/Min
0		-
1		
2		
4		
6		
8		
10		
15		
20		
25		
30		
40		
50		
60		

Additional Comments: Completed packer test immediately after changing drill bit. Pulled corebarrel out 0010 to 0015. At 675 Kpa, tiny leak at sub.

Hole #: VWP15-01 / KL-15-252
Test #: 6

TETRA TECH EBA

Calculation Input Parameters

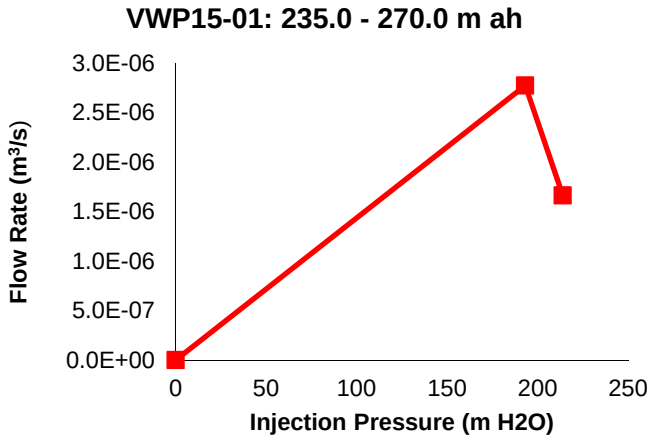
$$K = \frac{Q \times \ln\left(\frac{L \sin(A)}{r}\right)}{2 \times \pi \times L \sin(A) \times dH}$$

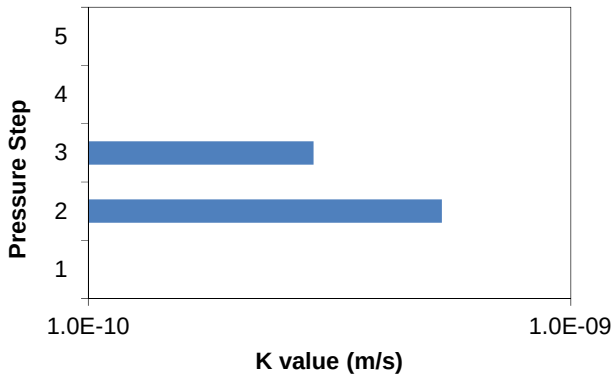
Top of Packer Test Interval (mah):	235.0
Bottom of Packer Test Interval (mah):	270.0
L: Length of Test Interval (mah)	35.0
Test Interval Midpoint (mah):	252.5
Stickup Height (mah):	2.00
Pressure Gauge Height (m above ground):	2.00
Depth to Water Table (mah):	188.40
Borehole Diameter (mm):	96
r: Borehole Radius (m):	0.048
A: Angle From Horizontal (deg):	-50

* mah indicates "meters along hole"

Pressure Step	Pressure (psi)	Pressure (kPa)	Pressure (m of water)	Head Differential dH (m)	Flowrate Q (m^3/s)	Hydraulic Conductivity K (m/s)
1						
2	68.4	471.7	48.1	192.9	2.8E-06	5.4E-10
3	97.9	675.0	68.8	213.6	1.7E-06	2.9E-10
4						
5						
					Geometric Mean:	**4.0E-10**

Diagnostic Plots





Constant Head (CH) and Falling/Rising Head (F/RH) Packer Test - Field Form

Client: Rockhaven Resources
Project: Klaza
Project #: ENVMIN03054
Personnel: Kristen Range

Collar El.: 1303 m
Trend: 35 deg
Plunge: -50 deg
Date: 25-Jun-15

Hole #: VWP15-03 / KL-15-253
Hole Size: HQ
Design Test Interval: 122 - 147 ft
Test #: 1

Packer Setup Type: Single

Pressure Interval 1	Pressure	Volume	Δ Volume
Minutes	kPa	m3	m3
0	140.0	85.6665	-
1	140.0		
2	140.0	85.6665	0.0000
3	140.0	85.6665	0.0000
4	140.0	85.6665	0.0000
5	140.0	85.6665	0.0000
6			
7			
8			
9			
10			
Stable Ave.	140.0		0.0000

Pressure Interval 2	Pressure	Volume	Δ Volume
Minutes	kPa	m3	m3
0	270.0	85.6665	-
1	270.0	85.6665	0.0000
2	270.0	85.6665	0.0000
3	270.0	85.6665	0.0000
4	270.0	85.6665	0.0000
5			
6			
7			
8			
9			
10			
Stable Ave.	270.0		0.0000

Pressure Interval 3	Pressure	Volume	Δ Volume
Minutes	kPa	m3	m3
0		85.6665	-
1	440	85.6665	0.0000
2	440	85.6665	0.0000
3	470	85.6665	0.0000
4	450	85.6665	0.0000
5	480	85.6671	0.0005
6			
7	480	85.6685	0.0006
8	450	85.669	0.0004
9	440	85.67	0.0009
10	440	85.671	0.0009
Stable Ave.	454.4		0.0001

Pressure Interval 4	Pressure	Volume	Δ Volume
Minutes	kPa	m3	m3
0	250	85.673	-
1	250	85.6732	0.0001
2	250	85.6735	0.0003
3	250	85.6738	0.0002
4	250	85.674	0.0002
5	250	85.674	0.0000
6			
7			
8			
9			
10			
Stable Ave.	250.0		0.0002

Pressure Interval 5	Pressure	Volume	Δ Volume
Minutes	kPa	m3	m3
0	130	85.674	-
1	130		
2	130	85.674	0.0000
3	130	85.674	0.0000
4	130	85.674	0.0000
5			
6			
7			
8			
9			
10			
Stable Ave.	130.0		0.0000

Pressure Interval 6	Pressure	Volume	Δ Volume
Minutes	kPa	m3	m3
0			-
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			

Measurements

Depth to Water from Top of Stickup:	36.7	m toc
Top of Packer Interval:	37.20	m ah*
Bottom of Packer Interval (or Bottom of Hole):	44.80	m ah
Packer Inflation Pressure:	250	psi
Rod Stickup Height:	1.50	m ags
Water Flushed (Vol./Time/Until Clean):		
Packer Pipe ID/ or Drill Rod ID (circle one):		
Borehole Outside Diameter:	96	mm
Vertical height of gauge above ground:	1.50	m ags

* m ah - metres along hole

Measurement Units

Volume:	m^3
Pressure:	kPa (psi for packer inflation)
Length:	m

Time

Start Flushing:	1700
End Flushing:	1725
Start Packer Testing:	1806
End Packer Testing:	

FALLING HEAD TEST or RISING HEAD TEST

Time (Min)	Depth to H2O (m)	Δ Depth/Min
0		-
1		
2		
4		
6		
8		
10		
15		
20		
25		
30		
40		
50		
60		

Additional Comments: At 440 kpa, small leak from sub (150 mL / 2 min)

At 250 kpa, sub leak 100 mL / 2 min

At 140 kpa, 50-60 mL / 2 min

Hole #: VWP15-03 / KL-15-253
Test #: 1

TETRA TECH EBA

Calculation Input Parameters

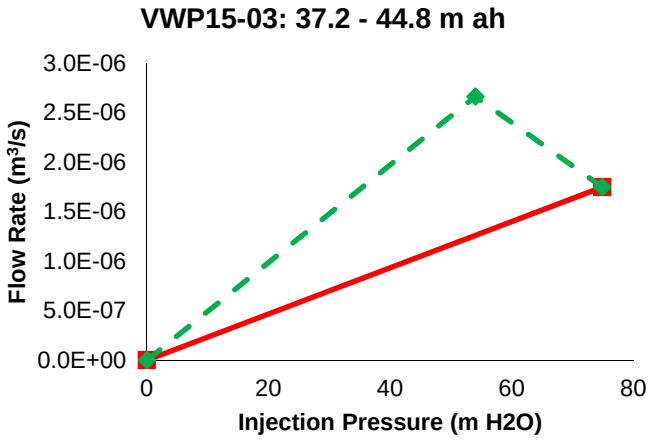
$$K = \frac{Q \times \ln\left(\frac{L \sin(A)}{r}\right)}{2 \times \pi \times L \sin(A) \times dH}$$

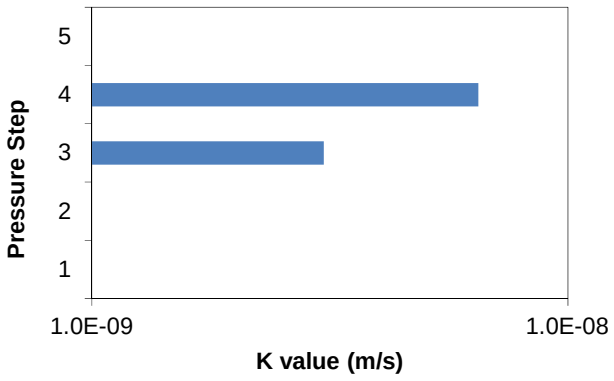
Top of Packer Test Interval (mah):	37.2
Bottom of Packer Test Interval (mah):	44.8
L: Length of Test Interval (mah)	7.6
Test Interval Midpoint (mah):	41.0
Stickup Height (mah):	1.50
Pressure Gauge Height (m above ground):	1.50
Depth to Water Table (mah):	36.70
Borehole Diameter (mm):	96
r: Borehole Radius (m):	0.048
A: Angle From Horizontal (deg):	-50

* mah indicates "meters along hole"

Pressure Step	Pressure (psi)	Pressure (kPa)	Pressure (m of water)	Head Differential dH (m)	Flowrate Q (m^3/s)	Hydraulic Conductivity K (m/s)
1						
2						
3	65.9	454.4	46.3	74.8	1.8E-06	3.1E-09
4	36.3	250.0	25.5	54.0	2.7E-06	6.5E-09
5						
					Geometric Mean:	**4.5E-09**

Diagnostic Plots





Constant Head (CH) and Falling/Rising Head (F/RH) Packer Test - Field Form

Client: Rockhaven Resources
Project: Klaza
Project #: ENVMIN03054
Personnel: Eliane Roy and Stephan Klump

Collar El.: 1303 m
Trend: 35 deg
Plunge: -50 deg
Date: June 25/26, 2015

Hole #: VWP15-03 / KL-15-253
Hole Size: HQ
Design Test Interval: 192-237 ft
Test #: 2

Packer Setup Type: Single

Measurements

Depth to Water from Top of Stickup:	36.7	m toc
Top of Packer Interval:	58.52	m ah*
Bottom of Packer Interval (or Bottom of Hole):	72.24	m ah
Packer Inflation Pressure:	375	psi
Rod Stickup Height:	1.50	m ags
Water Flushed (Vol./Time/Until Clean):		
Packer Pipe ID/ or Drill Rod ID (circle one):		mm
Borehole Outside Diameter:	96	m ags
Vertical height of gauge above ground:	1.50	

* m ah - metres along hole

Measurement Units

Volume: m^3
Pressure: kPa (psi for packer inflation)
Length: m

Time

Start Flushing:
End Flushing: (20 minutes)
Start Packer Testing:
End Packer Testing: 1am

Pressure Interval 1

Minutes	Pressure kPa	Volume m3	Δ Volume m3
0	165.0	85.7255	-
1	176.0	85.7255	0.0000
2	176.0	85.7260	0.0005
3	175.0	85.7262	0.0002
4	175.0	85.7267	0.0005
5			
6			
7			
8			
9			
10			
Stable Ave.	175.5		0.0003

Pressure Interval 2

Minutes	Pressure kPa	Volume m3	Δ Volume m3
0	320.0	85.7267	-
1	370.0	85.7272	0.0005
2			
3	370.0	85.7290	0.0009
4			
5			
6			
7			
8			
9			
10			
Stable Ave.	370.0		0.0007

Pressure Interval 3

Minutes	Pressure kPa	Volume m3	Δ Volume m3
0	450	85.73	-
1	460	85.731	0.0010
2	460	85.7317	0.0007
3	460	85.7325	0.0008
4			
5			
6			
7			
8			
9			
10			
Stable Ave.	460.0		0.0008

Pressure Interval 4

Minutes	Pressure kPa	Volume m3	Δ Volume m3
0	320	85.734	-
1	330	85.7342	0.0002
2	320	85.7348	0.0006
3	330	85.7355	0.0007
4			
5			
6			
7			
8			
9			
10			
Stable Ave.	326.7		0.0005

Pressure Interval 5

Minutes	Pressure kPa	Volume m3	Δ Volume m3
0	165	85.7357	-
1	170	85.736	0.0003
2	165	85.7362	0.0002
3	165	85.7365	0.0003
4			
5			
6			
7			
8			
9			
10			
Stable Ave.	166.7		0.0003

Pressure Interval 6

Minutes	Pressure kPa	Volume m3	Δ Volume m3
0			-
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			

FALLING HEAD TEST or RISING HEAD TEST

Time (Min)	Depth to H2O (m)	Δ Depth/Min
0		-
1		
2		
4		
6		
8		
10		
15		
20		
25		
30		
40		
50		
60		

Additional Comments: At pressure interval 3: leak noted from top of stuffing box, tightened = okay.

Hole #: VWP15-03 / KL-15-253
Test #: 2

TETRA TECH EBA

Calculation Input Parameters

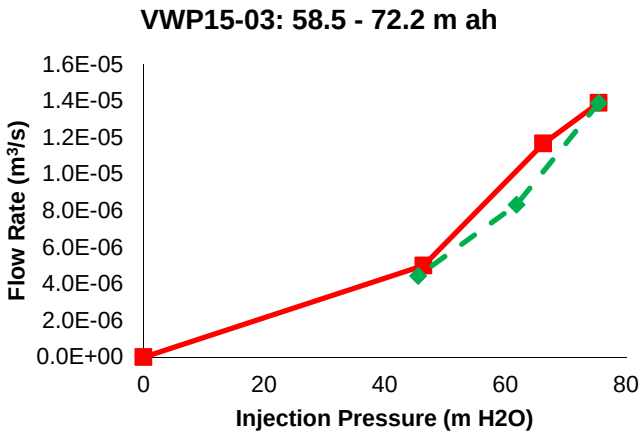
$$K = \frac{Q \times \ln\left(\frac{L \sin(A)}{r}\right)}{2 \times \pi \times L \sin(A) \times dH}$$

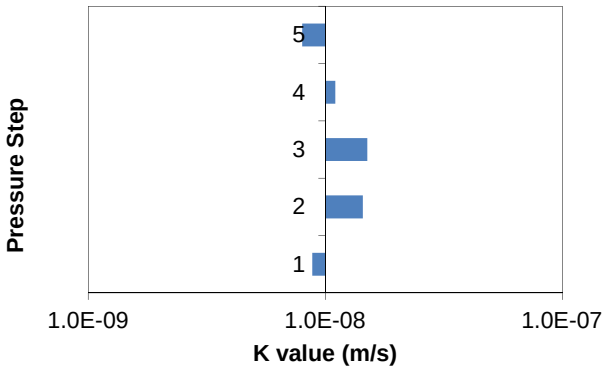
Top of Packer Test Interval (mah):	58.5
Bottom of Packer Test Interval (mah):	72.2
L: Length of Test Interval (mah)	13.7
Test Interval Midpoint (mah):	65.4
Stickup Height (mah):	1.50
Pressure Gauge Height (m above ground):	1.50
Depth to Water Table (mah):	36.70
Borehole Diameter (mm):	96
r: Borehole Radius (m):	0.048
A: Angle From Horizontal (deg):	-50

* mah indicates "meters along hole"

Pressure Step	Pressure (psi)	Pressure (kPa)	Pressure (m of water)	Head Differential dH (m)	Flowrate Q (m^3/s)	Hydraulic Conductivity K (m/s)
1	25.5	175.5	17.9	46.4	5.0E-06	8.8E-09
2	53.7	370.0	37.7	66.2	1.2E-05	1.4E-08
3	66.7	460.0	46.9	75.4	1.4E-05	1.5E-08
4	47.4	326.7	33.3	61.8	8.3E-06	1.1E-08
5	24.2	166.7	17.0	45.5	4.4E-06	8.0E-09
					Geometric Mean:	**1.1E-08**

Diagnostic Plots





Constant Head (CH) and Falling/Rising Head (F/RH) Packer Test - Field Form

Client: Rockhaven Resources
Project: Klaza
Project #: ENVMIN03054
Personnel: Kristen Range

Collar El.: 1303 m
Trend: 35 deg
Plunge: -50 deg
Date: 26-Jun-15

Hole #: VWP15-03 / KL-15-253
Hole Size: HQ
Design Test Interval: 402 - 427 ft
Test #: 3

Packer Setup Type: Single

Measurements

Depth to Water from Top of Stickup:	36.7	m toc
Top of Packer Interval:	122.50	m ah*
Bottom of Packer Interval (or Bottom of Hole):	130.10	m ah
Packer Inflation Pressure:	450	psi
Rod Stickup Height:	1.50	m ags
Water Flushed (Vol./Time/Until Clean):		
Packer Pipe ID/ or Drill Rod ID (circle one):		
Borehole Outside Diameter:	96	mm
Vertical height of gauge above ground:	1.50	m ags

* m ah - metres along hole

Measurement Units

Volume:	m^3
Pressure:	kPa (psi for packer inflation)
Length:	m

Time

Start Flushing:	1525
End Flushing:	
Start Packer Testing:	1610
End Packer Testing:	

Pressure Interval 1

Minutes	Pressure kPa	Volume m3	Δ Volume m3
0	230.0	87.1520	-
1	230.0	87.2000	0.0480
2	230.0	87.2430	0.0430
3	240.0	87.2860	0.0430
4	230.0	87.3280	0.0420
5	230.0	87.3720	0.0440
6			
7			
8			
9			
10			
Stable Ave.	232.0		0.0440

Pressure Interval 2

Minutes	Pressure kPa	Volume m3	Δ Volume m3
0	450.0	87.3980	-
1	460.0	87.4590	0.0610
2	450.0	87.5200	0.0610
3	450.0	87.5830	0.0630
4	450.0	87.6430	0.0600
5	450.0	87.7050	0.0620
6			
7			
8			
9			
10			
Stable Ave.	452.0		0.0614

Pressure Interval 3

Minutes	Pressure kPa	Volume m3	Δ Volume m3
0	650	87.7540	-
1	650	87.8330	0.0790
2	660	87.9120	0.0790
3	650	87.9910	0.0790
4	650	88.0700	0.0790
5	650	88.1480	0.0780
6			
7			
8			
9			
10			
Stable Ave.	652.0		0.0788

Pressure Interval 4

Minutes	Pressure kPa	Volume m3	Δ Volume m3
0	450	88.203	-
1	450	88.263	0.0600
2	450	88.324	0.0610
3	450	88.385	0.0610
4	450	88.446	0.0610
5	450	88.506	0.0600
6			
7			
8			
9			
10			
Stable Ave.	450.0		0.0606

Pressure Interval 5

Minutes	Pressure kPa	Volume m3	Δ Volume m3
0	210.0	88.5320	-
1	210.0		
2	210.0	88.6120	0.0400
3	210.0	88.6560	0.0440
4	210.0	88.6980	0.0420
5	210.0	88.7420	0.0440
6			
7			
8			
9			
10			
Stable Ave.	210.0		0.0425

Pressure Interval 6

Minutes	Pressure kPa	Volume m3	Δ Volume m3
0			-
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			

FALLING HEAD TEST or RISING HEAD TEST

Time (Min)	Depth to H2O (m)	Δ Depth/Min
0		-
1		
2		
4		
6		
8		
10		
15		
20		
25		
30		
40		
50		
60		

Additional Comments: Difficult time filling rods, about 10 min

Not working, return through casing. Packer didn't inflate. Re-inflate, began filling rods @ 1552

Small leak from disks (about 100 mL / 2min)

Hole #: **VWP15-03 / KL-15-253**
Test #: **3**

TETRA TECH EBA

Calculation Input Parameters

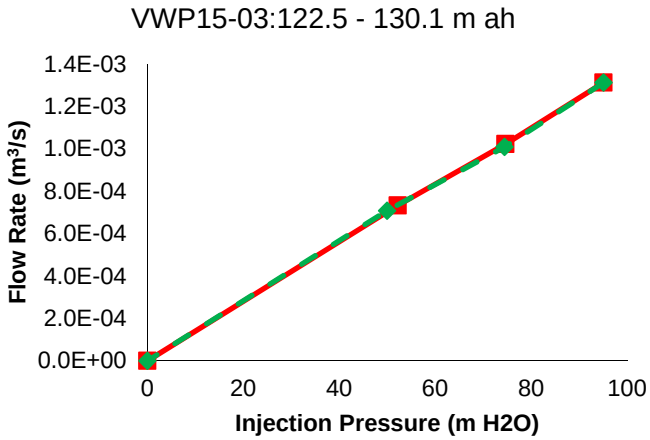
Top of Packer Test Interval (mah):	122.5
Bottom of Packer Test Interval (mah):	130.1
L: Length of Test Interval (mah)	7.6
Test Interval Midpoint (mah):	126.3
Stickup Height (mah):	1.50
Pressure Gauge Height (m above ground):	1.50
Depth to Water Table (mah):	36.70
Borehole Diameter (mm):	96
r: Borehole Radius (m):	0.048
A: Angle From Horizontal (deg):	-50

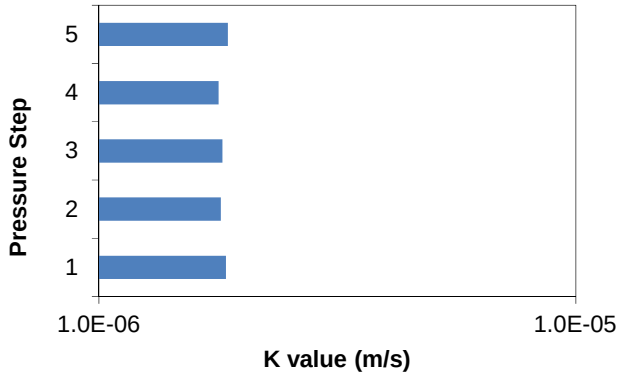
* mah indicates "meters along hole"

$$K = \frac{Q \times \ln\left(\frac{L \sin(A)}{r}\right)}{2 \times \pi \times L \sin(A) \times dH}$$

Pressure Step	Pressure (psi)	Pressure (kPa)	Pressure (m of water)	Head Differential dH (m)	Flowrate Q (m^3/s)	Hydraulic Conductivity K (m/s)
1	33.6	232.0	23.7	52.1	7.3E-04	1.8E-06
2	65.6	452.0	46.1	74.6	1.0E-03	1.8E-06
3	94.6	652.0	66.5	95.0	1.3E-03	1.8E-06
4	65.3	450.0	45.9	74.4	1.0E-03	1.8E-06
5	30.5	210.0	21.4	49.9	7.1E-04	1.9E-06
					Geometric Mean:	**1.8E-06**

Diagnostic Plots





Constant Head (CH) and Falling/Rising Head (F/RH) Packer Test - Field Form

Client: Rockhaven Resources
Project: Klaza
Project #: ENVMIN03054
Personnel: Eliane Roy

Collar El.: 1303 m
Trend: 35 deg
Plunge: -50 deg
Date: 27-Jun-15

Hole #: VWP15-03 / KL-15-253
Hole Size: HQ
Design Test Interval: 442-487 ft
Test #: 4

Packer Setup Type: Single

Pressure Interval 1

Minutes	Pressure kPa	Volume m3	Δ Volume m3
0	245.0	88.8302	-
1	245.0	88.8305	0.0003
2	250.0	88.8310	0.0005
3	250.0	88.8310	0.0000
4			
5			
6			
7			
8			
9			
10			
Stable Ave.	248.3		0.0003

Pressure Interval 2

Minutes	Pressure kPa	Volume m3	Δ Volume m3
0	455.0	88.8340	-
1	455.0	88.8357	0.0017
2	465.0	88.8375	0.0018
3	485.0	88.8390	0.0015
4			
5			
6			
7			
8			
9			
10			
Stable Ave.	468.3		0.0017

Pressure Interval 3

Minutes	Pressure kPa	Volume m3	Δ Volume m3
0	700	88.867	-
1	765	88.877	0.0100
2	765	88.886	0.0090
3	765	88.894	0.0080
4			
5			
6			
7			
8			
9			
10			
Stable Ave.	765.0		0.0090

Pressure Interval 4

Minutes	Pressure kPa	Volume m3	Δ Volume m3
0			-
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
Stable Ave.			

Pressure Interval 5

Minutes	Pressure kPa	Volume m3	Δ Volume m3
0			-
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
Stable Ave.			

Pressure Interval 6

Minutes	Pressure kPa	Volume m3	Δ Volume m3
0			-
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			

Measurements

Depth to Water from Top of Stickup:	36.7	m toc
Top of Packer Interval:	134.70	m ah*
Bottom of Packer Interval (or Bottom of Hole):	148.30	m ah
Packer Inflation Pressure:	410	psi
Rod Stickup Height:	1.50	m ags
Water Flushed (Vol./Time/Until Clean):	-	
Packer Pipe ID/ or Drill Rod ID (circle one):	-	mm
Borehole Outside Diameter:	96	m ags
Vertical height of gauge above ground:	1.50	

* m ah - metres along hole

Measurement Units

Volume:	m^3
Pressure:	kPa (psi for packer inflation)
Length:	m

Time

Start Flushing:	2215
End Flushing:	2226
Start Packer Testing:	2322
End Packer Testing:	2347

FALLING HEAD TEST or RISING HEAD TEST

Time (Min)	Depth to H2O (m)	Δ Depth/Min
0		-
1		
2		
4		
6		
8		
10		
15		
20		
25		
30		
40		
50		
60		

Additional Comments: Took picture of core: 427 to 447 crumbly though tight packed.

Packed pressure lost at 4th interval (350psi), could not reinflate to 410 to finish test.

Hole #: **VWP15-03 / KL-15-253**
Test #: **4**

TETRA TECH EBA

Calculation Input Parameters

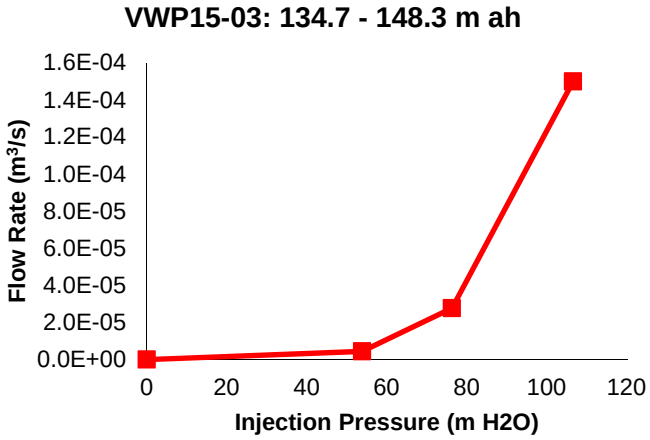
$$K = \frac{Q \times \ln\left(\frac{L \sin(A)}{r}\right)}{2 \times \pi \times L \sin(A) \times dH}$$

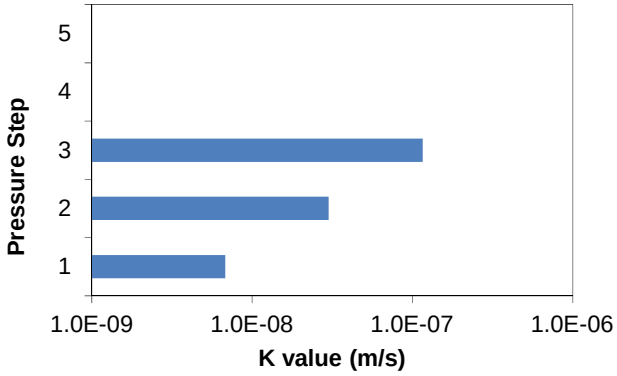
Top of Packer Test Interval (mah):	134.7
Bottom of Packer Test Interval (mah):	148.3
L: Length of Test Interval (mah)	13.6
Test Interval Midpoint (mah):	141.5
Stickup Height (mah):	1.50
Pressure Gauge Height (m above ground):	1.50
Depth to Water Table (mah):	36.70
Borehole Diameter (mm):	96
r: Borehole Radius (m):	0.048
A: Angle From Horizontal (deg):	-50

* mah indicates "meters along hole"

Pressure Step	Pressure (psi)	Pressure (kPa)	Pressure (m of water)	Head Differential dH (m)	Flowrate Q (m^3/s)	Hydraulic Conductivity K (m/s)
1	36.0	248.3	25.3	53.8	4.4E-06	6.8E-09
2	67.9	468.3	47.8	76.2	2.8E-05	3.0E-08
3	111.0	765.0	78.0	106.5	1.5E-04	1.2E-07
4						
5						
					Geometric Mean:	**2.9E-08**

Diagnostic Plots





Constant Head (CH) and Falling/Rising Head (F/RH) Packer Test - Field Form

Client: Rockhaven Resources
Project: Klaza
Project #: ENVMIN03054
Personnel: KRR

Collar El.: 1303 m
Trend: 35 deg
Plunge: -50 deg
Date: 27-Jun-15

Hole #: VWP15-03 / KL-15-253
Hole Size: HQ
Design Test Interval: 682 - 717 ft
Test #: 5

Packer Setup Type: Single

Measurements

Depth to Water from Top of Stickup:	36.7	m toc
Top of Packer Interval:	208.00	m ah*
Bottom of Packer Interval (or Bottom of Hole):	218.00	m ah
Packer Inflation Pressure:	550	psi
Rod Stickup Height:	1.50	m ags
Water Flushed (Vol./Time/Until Clean):	-	
Packer Pipe ID/ or Drill Rod ID (circle one):	-	
Borehole Outside Diameter:	96	mm
Vertical height of gauge above ground:	1.50	m ags

* m ah - metres along hole

Measurement Units

Volume:	m^3
Pressure:	kPa (psi for packer inflation)
Length:	m

Time

Start Flushing:	1505
End Flushing:	1530
Start Packer Testing:	1613
End Packer Testing:	1641

Pressure Interval 1

Minutes	Pressure kPa	Volume m3	Δ Volume m3
0	220.0	88.9840	-
1	220.0	88.9850	0.0010
2	220.0	88.9860	0.0010
3	220.0	88.9870	0.0010
4	220.0	88.9882	0.0012
5	220.0	88.9895	0.0013
6			
7			
8			
9			
10			
Stable Ave.	220.0		0.0011

Pressure Interval 2

Minutes	Pressure kPa	Volume m3	Δ Volume m3
0	470.0	88.9915	-
1	470.0	88.9940	0.0025
2	470.0	88.9965	0.0025
3	470.0	88.9988	0.0023
4	470.0	89.0015	0.0027
5	470.0	89.0040	0.0025
6			
7			
8			
9			
10			
Stable Ave.	470.0		0.0025

Pressure Interval 3

Minutes	Pressure kPa	Volume m3	Δ Volume m3
0	670	89.0075	-
1	670	89.0112	0.0037
2	670	89.014	0.0028
3	670	89.0172	0.0032
4	670	89.02	0.0028
5	670	89.0228	0.0028
6			
7			
8			
9			
10			
Stable Ave.	670.0		0.0031

Pressure Interval 4

Minutes	Pressure kPa	Volume m3	Δ Volume m3
0	450	89.024	-
1	450	89.026	0.0020
2	450	89.0288	0.0028
3	450	89.0308	0.0020
4	450	89.0325	0.0017
5	450	89.0345	0.0020
6			
7			
8			
9			
10			
Stable Ave.	450.0		0.0021

Pressure Interval 5

Minutes	Pressure kPa	Volume m3	Δ Volume m3
0	240	89.035	-
1	240	89.036	0.0010
2	240	89.0372	0.0012
3	240	89.0388	0.0016
4	240	89.0402	0.0014
5	240	89.0415	0.0013
6			
7			
8			
9			
10			
Stable Ave.	240.0		0.0013

Pressure Interval 6

Minutes	Pressure kPa	Volume m3	Δ Volume m3
0			-
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			

FALLING HEAD TEST or RISING HEAD TEST

Time (Min)	Depth to H2O (m)	Δ Depth/Min
0		-
1		
2		
4		
6		
8		
10		
15		
20		
25		
30		
40		
50		
60		

Additional Comments: Very small leak from sub (beads of water drippings). Unable to quantify leak. Fixed with duct tape.

TETRA TECH EBA

Hole #: VWP15-03 / KL-15-253
Test #: 5

TETRA TECH EBA

Calculation Input Parameters

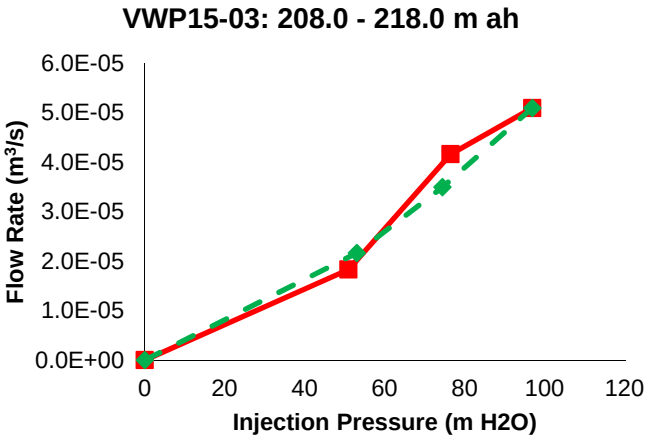
$$K = \frac{Q \times \ln\left(\frac{L \sin(A)}{r}\right)}{2 \times \pi \times L \sin(A) \times dH}$$

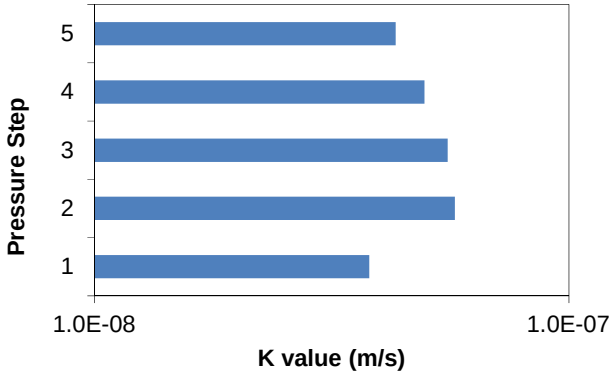
Top of Packer Test Interval (mah):	208.0
Bottom of Packer Test Interval (mah):	218.0
L: Length of Test Interval (mah)	10.0
Test Interval Midpoint (mah):	213.0
Stickup Height (mah):	1.50
Pressure Gauge Height (m above ground):	1.50
Depth to Water Table (mah):	36.70
Borehole Diameter (mm):	96
r: Borehole Radius (m):	0.048
A: Angle From Horizontal (deg):	-50

* mah indicates "meters along hole"

Pressure Step	Pressure (psi)	Pressure (kPa)	Pressure (m of water)	Head Differential dH (m)	Flowrate Q (m^3/s)	Hydraulic Conductivity K (m/s)
1	31.9	220.0	22.4	50.9	1.8E-05	3.8E-08
2	68.2	470.0	47.9	76.4	4.2E-05	5.7E-08
3	97.2	670.0	68.3	96.8	5.1E-05	5.6E-08
4	65.3	450.0	45.9	74.4	3.5E-05	5.0E-08
5	34.8	240.0	24.5	52.9	2.2E-05	4.3E-08
					Geometric Mean:	**4.8E-08**

Diagnostic Plots





Constant Head (CH) and Falling/Rising Head (F/RH) Packer Test - Field Form

Client: Rockhaven Resources
Project: Klaza
Project #: ENVMIN03054
Personnel: KRR

Collar El.: m
Trend: 35 deg
Plunge: -50 deg
Date: 28-Jun-15

Hole #: VWP15-03 / KL-15-253
Hole Size: HQ
Design Test Interval: 842 - 867 ft
Test #: 6

Packer Setup Type: Single

Pressure Interval 1	Pressure	Volume	Δ Volume
Minutes	kPa	m3	m3
0	100.0	89.7340	-
1	110.0	89.7980	0.0640
2	130.0	89.8610	0.0630
3	100.0	89.9030	0.0420
4	110.0	89.9480	0.0450
5	110.0	90.0000	0.0520
6	120.0	90.0540	0.0540
7			
8			
9			
10			
Stable Ave.	113.3		0.0532

Pressure Interval 2	Pressure	Volume	Δ Volume
Minutes	kPa	m3	m3
0	160.0	90.0850	-
1	190.0	90.1510	0.0660
2	220.0	90.2180	0.0670
3	220.0	90.2850	0.0670
4	220.0	90.3500	0.0650
5	230.0	90.4140	0.0640
6	230.0	90.4790	0.0650
7	220.0	90.5420	0.0630
8			
9			
10			
Stable Ave.	218.6		0.0658

Pressure Interval 3	Pressure	Volume	Δ Volume
Minutes	kPa	m3	m3
0	100	90.571	-
1	100	90.602	0.0310
2	110	90.659	0.0570
3	110	90.71	0.0510
4	120	90.762	0.0520
5	110	90.812	0.0500
6			
7			
8			
9			
10			
Stable Ave.	110.0		0.0482

Pressure Interval 4	Pressure	Volume	Δ Volume
Minutes	kPa	m3	m3
0	600	91.615	-
1	600	91.703	0.0880
2	610	91.794	0.0910
3	540	91.878	0.0840
4	610	91.965	0.0870
5	620	92.052	0.0870
6			
7			
8			
9			
10			
Stable Ave.	596.0		0.0874

Pressure Interval 5	Pressure	Volume	Δ Volume
Minutes	kPa	m3	m3
0	430	92.102	-
1	450	92.177	0.0750
2	450	92.25	0.0730
3	440	92.324	0.0740
4	450	92.397	0.0730
5	450	92.471	0.0740
6			
7			
8			
9			
10			
Stable Ave.	448.0		0.0738

Pressure Interval 6	Pressure	Volume	Δ Volume
Minutes	kPa	m3	m3
0	230	92.513	-
1	240	92.573	0.0600
2	230	92.629	0.0560
3	230	92.687	0.0580
4	230	92.744	0.0570
5	230	92.802	0.0580
6			
7			
8			
9			
10			
	231.7		0.1

Measurements

Depth to Water from Top of Stickup:	36.7	m toc
Top of Packer Interval:	257.00	m ah*
Bottom of Packer Interval (or Bottom of Hole):	264.00	m ah
Packer Inflation Pressure:	550	psi
Rod Stickup Height:	1.50	m ags
Water Flushed (Vol./Time/Until Clean):	-	
Packer Pipe ID/ or Drill Rod ID (circle one):	-	
Borehole Outside Diameter:	96	mm
Vertical height of gauge above ground:	1.50	m ags

* m ah - metres along hole

Measurement Units

Volume:	m^3
Pressure:	kPa (psi for packer inflation)
Length:	m

Time

Start Flushing:	0755
End Flushing:	0830
Start Packer Testing:	0945
End Packer Testing:	1030

FALLING HEAD TEST or RISING HEAD TEST

Time (Min)	Depth to H2O (m)	Δ Depth/Min
0		-
1		
2		
4		
6		
8		
10		
15		
20		
25		
30		
40		
50		
60		

Additional Comments: Drillers lost return between 847 and 857 ft. Took about 10 minutes to fill rods. Unable to increase pressure more than 120 Kpa. No decrease in packer pressure.

No return through casing. Pulled pump apart, should get more pressure. Partially plugged, restarted test.

Hole #: **VWP15-03 / KL-15-253**
Test #: **6**

TETRA TECH EBA

Calculation Input Parameters

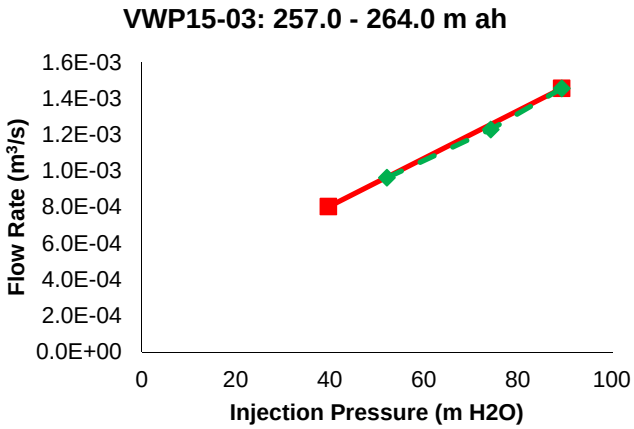
Top of Packer Test Interval (mah):	257.0
Bottom of Packer Test Interval (mah):	264.0
L: Length of Test Interval (mah)	7.0
Test Interval Midpoint (mah):	260.5
Stickup Height (mah):	1.50
Pressure Gauge Height (m above ground):	1.50
Depth to Water Table (mah):	36.70
Borehole Diameter (mm):	96
r: Borehole Radius (m):	0.048
A: Angle From Horizontal (deg):	-50

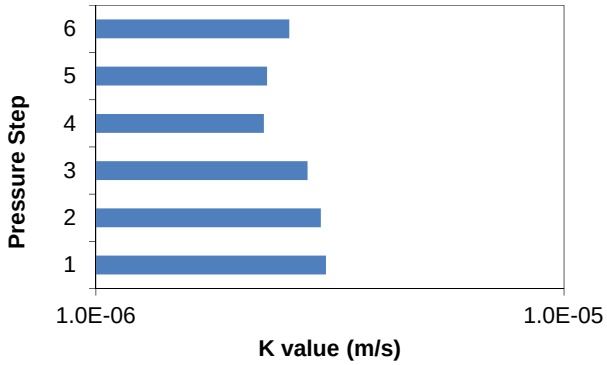
* mah indicates "meters along hole"

$$K = \frac{Q \times \ln\left(\frac{L \sin(A)}{r}\right)}{2 \times \pi \times L \sin(A) \times dH}$$

Pressure Step	Pressure (psi)	Pressure (kPa)	Pressure (m of water)	Head Differential dH (m)	Flowrate Q (m^3/s)	Hydraulic Conductivity K (m/s)
1	16.4	113.3	11.6	40.0	8.9E-04	3.1E-06
2	31.7	218.6	22.3	50.8	1.1E-03	3.0E-06
3	16.0	110.0	11.2	39.7	8.0E-04	2.8E-06
4	86.4	596.0	60.8	89.2	1.5E-03	2.3E-06
5	65.0	448.0	45.7	74.2	1.2E-03	2.3E-06
6	33.6	231.7	23.6	52.1	9.6E-04	2.6E-06
					Geometric Mean:	**2.7E-06**

Diagnostic Plots





Constant Head (CH) and Falling/Rising Head (F/RH) Packer Test - Field Form

Client: Rockhaven Resources
Project: Klaza
Project #: ENVMIN03054
Personnel: Eliane Roy

Collar El.: 1303 m
Trend: 35 deg
Plunge: -50 deg
Date: 30-Jun-15

Hole #: VWP15-04 / KL-15-254
Hole Size: HQ
Design Test Interval: 132 - 197 ft
Test #: 1

Packer Setup Type: Single

Pressure Interval 1	Pressure	Volume	Δ Volume
Minutes	kPa	m3	m3
0	160.0	92.9557	-
1	160.0	92.9560	0.0003
2	160.0	92.9565	0.0005
3			
4	165.0	92.9567	0.0001
5			
6			
7			
8			
9			
10			
Stable Ave.	161.7		0.0003

Pressure Interval 2	Pressure	Volume	Δ Volume
Minutes	kPa	m3	m3
0	315.0	92.9500	-
1			
2	315.0	92.9592	0.0046
3	315.0	92.9597	0.0005
4			
5			
6			
7			
8			
9			
10			
Stable Ave.	315.0		0.0025

Pressure Interval 3	Pressure	Volume	Δ Volume
Minutes	kPa	m3	m3
0	470	92.9510	-
1	460	92.9620	0.0110
2	460	92.9625	0.0058
3	460	92.9635	0.0007
4	460	92.9642	0.0008
5			
6			
7			
8			
9			
10			
Stable Ave.	460.0		0.0046

Pressure Interval 4	Pressure	Volume	Δ Volume
Minutes	kPa	m3	m3
0			
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
Stable Ave.			

Pressure Interval 5	Pressure	Volume	Δ Volume
Minutes	kPa	m3	m3
0			-
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
Stable Ave.			

Pressure Interval 6	Pressure	Volume	Δ Volume
Minutes	kPa	m3	m3
0			-
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			

Measurements

Depth to Water from Top of Stickup:	35.5	m toc
Top of Packer Interval:	40.23	m ah*
Bottom of Packer Interval (or Bottom of Hole):	60.04	m ah
Packer Inflation Pressure:	280	psi
Rod Stickup Height:	2.00	m ags
Water Flushed (Vol./Time/Until Clean):		
Packer Pipe ID/ or Drill Rod ID (circle one):		
Borehole Outside Diameter:	96	mm
Vertical height of gauge above ground:	2.00	m ags

* m ah - metres along hole

Measurement Units

Volume:	m^3
Pressure:	kPa (psi for packer inflation)
Length:	m

Time

Start Flushing:	0340
End Flushing:	0405
Start Packer Testing:	0507
End Packer Testing:	0522

FALLING HEAD TEST or RISING HEAD TEST

Time (Min)	Depth to H2O (m)	Δ Depth/Min
0		-
1		
2		
4		
6		
8		
10		
15		
20		
25		
30		
40		
50		
60		

Additional Comments: Radio check in with other drill about grout progress. Very rusty sections. Fair leak at the sub at 315 kPa, as tight as can be with tape. Leaking profusly at 460 kPa.

Hole #: VWP15-04 / KL-15-254
Test #: 1

TETRA TECH EBA

Calculation Input Parameters

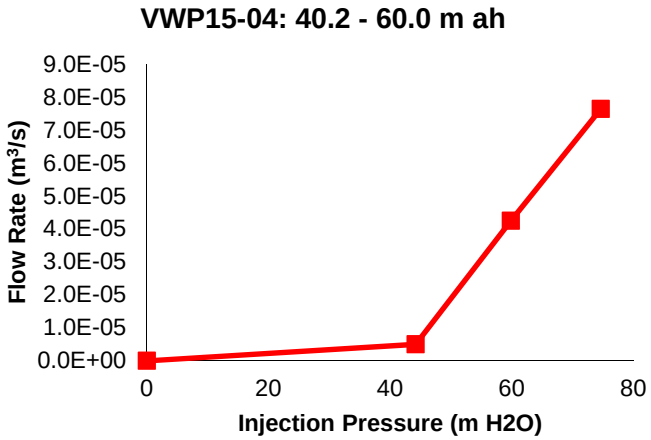
$$K = \frac{Q \times \ln\left(\frac{L \sin(A)}{r}\right)}{2 \times \pi \times L \sin(A) \times dH}$$

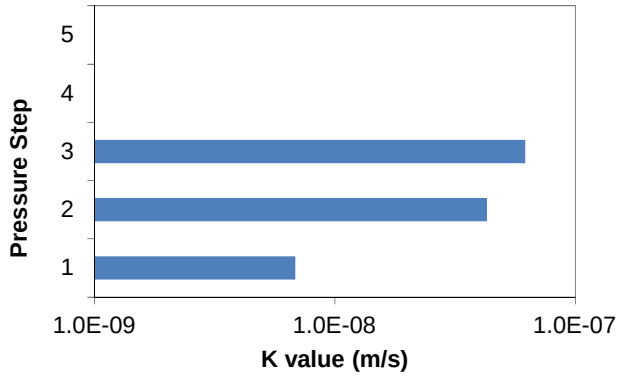
Top of Packer Test Interval (mah):	40.2
Bottom of Packer Test Interval (mah):	60.0
L: Length of Test Interval (mah)	19.8
Test Interval Midpoint (mah):	50.1
Stickup Height (mah):	2.00
Pressure Gauge Height (m above ground):	2.00
Depth to Water Table (mah):	35.50
Borehole Diameter (mm):	96
r: Borehole Radius (m):	0.048
A: Angle From Horizontal (deg):	-50

* mah indicates "meters along hole"

Pressure Step	Pressure (psi)	Pressure (kPa)	Pressure (m of water)	Head Differential dH (m)	Flowrate Q (m^3/s)	Hydraulic Conductivity K (m/s)
1	23.4	161.7	16.5	44.1	5.0E-06	6.8E-09
2	45.7	315.0	32.1	59.8	4.2E-05	4.3E-08
3	66.7	460.0	46.9	74.6	7.6E-05	6.2E-08
4						
5						
					Geometric Mean:	**2.6E-08**

Diagnostic Plots





Constant Head (CH) and Falling/Rising Head (F/RH) Packer Test - Field Form

Client: Rockhaven Resources
Project: Klaza
Project #: ENVMIN03054
Personnel: KRR

Collar El.: 1303 m
Trend: 35 deg
Plunge: -50 deg
Date: 30-Jun-15

Hole #: VWP15-04 / KL-15-254
Hole Size: HQ
Design Test Interval: 232 - 277 ft
Test #: 2

Packer Setup Type: Single

Pressure Interval 1

Minutes	Pressure kPa	Volume m3	Δ Volume m3
0	140.0	93.0070	-
1	140.0	93.0150	0.0080
2	140.0	93.0260	0.0110
3	140.0	93.0355	0.0095
4	140.0	93.0445	0.0090
5	140.0	93.0530	0.0085
6	140.0	93.0620	0.0090
7			
8			
9			
10			
Stable Ave.	140.0		0.0092

Pressure Interval 2

Minutes	Pressure kPa	Volume m3	Δ Volume m3
0	250.0	93.0760	-
1	230.0	93.0900	0.0140
2	250.0	93.1030	0.0130
3	240.0	93.1150	0.0120
4	240.0	93.1280	0.0130
5	240.0	93.1390	0.0110
6			
7			
8			
9			
10			
Stable Ave.	240.0		0.0126

Pressure Interval 3

Minutes	Pressure kPa	Volume m3	Δ Volume m3
0	360	93.1530	-
1	380	93.1790	0.0260
2	380	93.2000	0.0235
3	380	93.2180	0.0195
4	360	93.2370	0.0185
5	360	93.2580	0.0200
6			
7			
8			
9			
10			
Stable Ave.	372.0		0.0215

Pressure Interval 4

Minutes	Pressure kPa	Volume m3	Δ Volume m3
0	240	93.26	-
1	220	93.275	0.0150
2	220	93.287	0.0120
3	220	93.299	0.0120
4	220	93.3115	0.0125
5	220	93.3245	0.0130
6			
7			
8			
9			
10			
Stable Ave.	220.0		0.0129

Pressure Interval 5

Minutes	Pressure kPa	Volume m3	Δ Volume m3
0	110.0	93.3280	-
1	110.0	93.3340	0.0060
2	110.0	93.3430	0.0090
3	110.0	93.3520	0.0090
4	110.0	93.3610	0.0090
5	110.0	93.3700	0.0090
6			
7			
8			
9			
10			
Stable Ave.	110.0		0.0084

Pressure Interval 6

Minutes	Pressure kPa	Volume m3	Δ Volume m3
0			-
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			

Measurements

Depth to Water from Top of Stickup:	35.5	m toc
Top of Packer Interval:	70.71	m ah*
Bottom of Packer Interval (or Bottom of Hole):	84.40	m ah
Packer Inflation Pressure:	350	psi
Rod Stickup Height:	2.00	m ags
Water Flushed (Vol./Time/Until Clean):		
Packer Pipe ID/ or Drill Rod ID (circle one):	30 min	
Borehole Outside Diameter:	96	mm
Vertical height of gauge above ground:	2.00	m ags

* m ah - metres along hole

Measurement Units

Volume: m^3
Pressure: kPa (psi for packer inflation)
Length: m

Time

Start Flushing:	1200
End Flushing:	1230
Start Packer Testing:	
End Packer Testing:	

FALLING HEAD TEST or RISING HEAD TEST

Time (Min)	Depth to H2O (m)	Δ Depth/Min
0		-
1		
2		
4		
6		
8		
10		
15		
20		
25		
30		
40		
50		
60		

Additional Comments: At 140kPa small leak in sub. Bubbling out. Minimal leakage.

Hole #: VWP15-04 / KL-15-254
Test #: 2

TETRA TECH EBA

Calculation Input Parameters

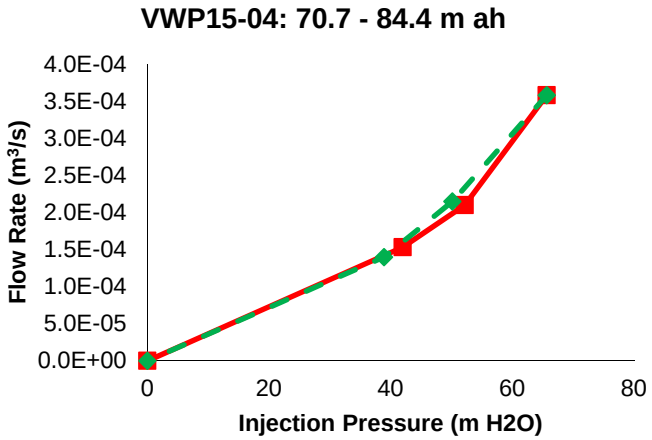
$$K = \frac{Q \times \ln\left(\frac{L \sin(A)}{r}\right)}{2 \times \pi \times L \sin(A) \times dH}$$

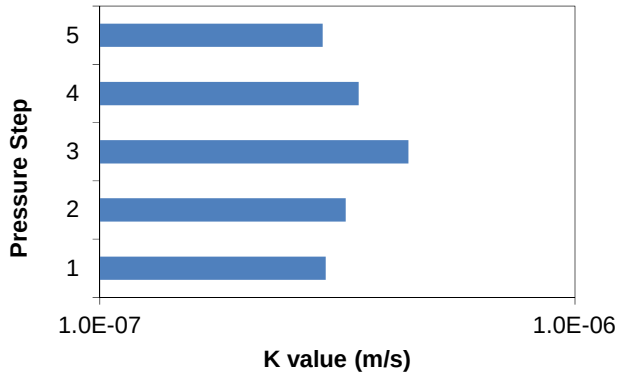
Top of Packer Test Interval (mah):	70.7
Bottom of Packer Test Interval (mah):	84.4
L: Length of Test Interval (mah)	13.7
Test Interval Midpoint (mah):	77.6
Stickup Height (mah):	2.00
Pressure Gauge Height (m above ground):	2.00
Depth to Water Table (mah):	35.50
Borehole Diameter (mm):	96
r: Borehole Radius (m):	0.048
A: Angle From Horizontal (deg):	-50

* mah indicates "meters along hole"

Pressure Step	Pressure (psi)	Pressure (kPa)	Pressure (m of water)	Head Differential dH (m)	Flowrate Q (m^3/s)	Hydraulic Conductivity K (m/s)
1	20.3	140.0	14.3	41.9	1.5E-04	3.0E-07
2	34.8	240.0	24.5	52.1	2.1E-04	3.3E-07
3	54.0	372.0	37.9	65.6	3.6E-04	4.5E-07
4	31.9	220.0	22.4	50.1	2.1E-04	3.5E-07
5	16.0	110.0	11.2	38.9	1.4E-04	2.9E-07
					Geometric Mean:	**3.4E-07**

Diagnostic Plots





Constant Head (CH) and Falling/Rising Head (F/RH) Packer Test - Field Form

Client: Rockhaven Resources
Project: Klaza
Project #: ENVMIN03054
Personnel: ER

Collar El.: 1303 m
Trend: 35 deg
Plunge: -50 deg
Date: 1-Jul-15

Hole #: VWP15-04 / KL-15-254
Hole Size: HQ
Design Test Interval: 392 - 417 ft 156.1
Test #: 3

Packer Setup Type: Single

Pressure Interval 1

Minutes	Pressure kPa	Volume m3	Δ Volume m3
0	260.0	94.1200	-
1	255.0	94.1760	0.0560
2	295.0	94.2230	0.0470
3	330.0	94.2650	0.0420
4	330.0	94.3130	0.0480
5	330.0	94.3580	0.0450
6	330.0	94.4030	0.0450
7	340.0	94.4480	0.0450
8	330.0	94.4930	0.0450
9			
10			
Stable Ave.	317.5		0.0476

Pressure Interval 2

Minutes	Pressure kPa	Volume m3	Δ Volume m3
0	425.0	94.6000	-
1	425.0	94.6510	0.0510
2	420.0	94.7000	0.0490
3	460.0	94.7500	0.0500
4	460.0	94.8030	0.0530
5	460.0	94.8500	0.0470
6	460.0	94.9020	0.0520
7	460.0	94.9520	0.0500
8			
9			
10			
Stable Ave.	449.3		0.0500

Pressure Interval 3

Minutes	Pressure kPa	Volume m3	Δ Volume m3
0	225	95.0150	-
1	225	95.0540	0.0390
2	310	95.0950	0.0400
3	310	95.1370	0.0415
4	310	95.1800	0.0425
5	310	95.2220	0.0425
6	310	95.2665	0.0432
7			
8			
9			
10			
Stable Ave.	295.8		0.0411

Pressure Interval 4

Minutes	Pressure kPa	Volume m3	Δ Volume m3
0			
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
Stable Ave.			

Pressure Interval 5

Minutes	Pressure kPa	Volume m3	Δ Volume m3
0			-
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
Stable Ave.			

Pressure Interval 6

Minutes	Pressure kPa	Volume m3	Δ Volume m3
0			-
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			

Measurements

Depth to Water from Top of Stickup:	35.5	m toc
Top of Packer Interval:	118.70	m ah*
Bottom of Packer Interval (or Bottom of Hole):	126.27	m ah
Packer Inflation Pressure:	415	psi
Rod Stickup Height:	2.00	m ags
Water Flushed (Vol./Time/Until Clean):		
Packer Pipe ID/ or Drill Rod ID (circle one):		
Borehole Outside Diameter:	96	mm
Vertical height of gauge above ground:	2.00	m ags

* m ah - metres along hole

Measurement Units

Volume:	m^3
Pressure:	kPa (psi for packer inflation)
Length:	m

Time

Start Flushing:	1:15
End Flushing:	2:03
Start Packer Testing:	
End Packer Testing:	4:15

FALLING HEAD TEST or RISING HEAD TEST

Time (Min)	Depth to H2O (m)	Δ Depth/Min
0		-
1		
2		
4		
6		
8		
10		
15		
20		
25		
30		
40		
50		
60		

Additional Comments: Added 5 ft of casing at 9 pm, total 20 ft of casing.

Lost return, no water coming back through casing while flushing. Small return through casing after 10 minutes of flushing. Took a while and flush all of the mud. Tried 372 to 417 ft but could not fill drill rods.

Reduced interval to 392-417. Flowmeter leaking at 460kPa.

Hole #: VWP15-04 / KL-15-254
Test #: 3

TETRA TECH EBA

Calculation Input Parameters

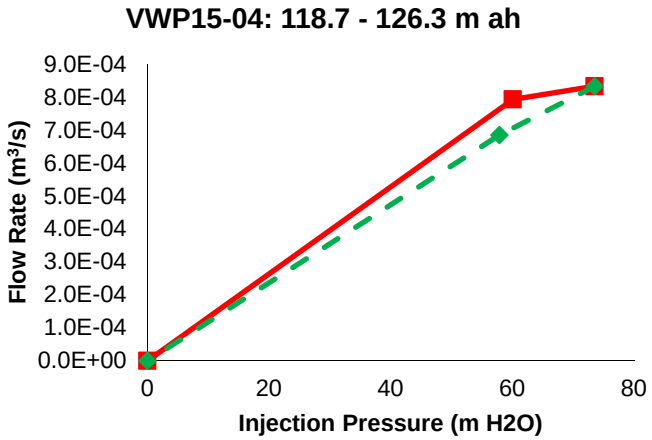
$$K = \frac{Q \times \ln\left(\frac{L \sin(A)}{r}\right)}{2 \times \pi \times L \sin(A) \times dH}$$

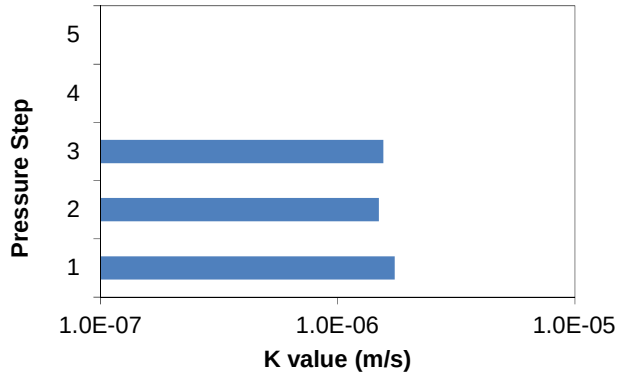
Top of Packer Test Interval (mah):	118.7
Bottom of Packer Test Interval (mah):	126.3
L: Length of Test Interval (mah)	7.6
Test Interval Midpoint (mah):	122.5
Stickup Height (mah):	2.00
Pressure Gauge Height (m above ground):	2.00
Depth to Water Table (mah):	35.50
Borehole Diameter (mm):	96
r: Borehole Radius (m):	0.048
A: Angle From Horizontal (deg):	-50

* mah indicates "meters along hole"

Pressure Step	Pressure (psi)	Pressure (kPa)	Pressure (m of water)	Head Differential dH (m)	Flowrate Q (m^3/s)	Hydraulic Conductivity K (m/s)
1	46.0	317.5	32.4	60.0	7.9E-04	1.7E-06
2	65.2	449.3	45.8	73.5	8.3E-04	1.5E-06
3	42.9	295.8	30.2	57.8	6.9E-04	1.6E-06
4						
5						
					Geometric Mean:	**1.6E-06**

Diagnostic Plots





Constant Head (CH) and Falling/Rising Head (F/RH) Packer Test - Field Form

Client: Rockhaven Resources
Project: Klaza
Project #: ENVMIN03054-01
Personnel: KRR

Collar El.: 1303 m
Trend: 35 deg
Plunge: -50 deg
Date: 1-Jul-15

Hole #: VWP15-04 / KL-15-254
Hole Size: HQ
Design Test Interval: 532 - 577 ft 156.1
Test #: 4

Packer Setup Type: Single

Pressure Interval 1

Minutes	Pressure kPa	Volume m3	Δ Volume m3
0	280.0	95.4300	-
1	220.0	95.4335	0.0035
2	220.0	95.4360	0.0025
3	220.0	95.4385	0.0025
4	240.0	95.4425	0.0040
5	240.0	95.4460	0.0035
6			
7			
8			
9			
10			
Stable Ave.	228.0		0.0032

Pressure Interval 2

Minutes	Pressure kPa	Volume m3	Δ Volume m3
0	450.0	95.4540	-
1	430.0	95.4580	0.0040
2	430.0	95.4630	0.0050
3	440.0	95.4660	0.0030
4	430.0	95.4700	0.0040
5			
6			
7			
8			
9			
10			
Stable Ave.	432.5		0.0040

Pressure Interval 3

Minutes	Pressure kPa	Volume m3	Δ Volume m3
0	680	95.4750	-
1	700	95.4810	0.0060
2	680	95.4860	0.0055
3	700	95.4910	0.0050
4	680	95.4950	0.0045
5	680	95.5000	0.0045
6			
7			
8			
9			
10			
Stable Ave.	688.0		0.0051

Pressure Interval 4

Minutes	Pressure kPa	Volume m3	Δ Volume m3
0	420	95.5005	-
1	420	95.5035	0.0030
2	420	95.506	0.0025
3	420	95.5095	0.0035
4	420	95.5125	0.0030
5	420	95.5155	0.0030
6			
7			
8			
9			
10			
Stable Ave.	420.0		0.0030

Pressure Interval 5

Minutes	Pressure kPa	Volume m3	Δ Volume m3
0	250.0	95.5155	-
1	250.0	95.5185	0.0030
2	250.0		-
3	250.0	95.5220	0.0018
4	250.0	95.5245	0.0025
5	250.0	95.5270	0.0025
6			
7			
8			
9			
10			
Stable Ave.	250.0		0.0024

Pressure Interval 6

Minutes	Pressure kPa	Volume m3	Δ Volume m3
0			-
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			

Measurements

Depth to Water from Top of Stickup:	36.5	m toc
Top of Packer Interval:	161.00	m ah*
Bottom of Packer Interval (or Bottom of Hole):	175.00	m ah
Packer Inflation Pressure:	450	psi
Rod Stickup Height:	2.00	m ags
Water Flushed (Vol./Time/Until Clean):		
Packer Pipe ID/ or Drill Rod ID (circle one):		
Borehole Outside Diameter:	96	mm
Vertical height of gauge above ground:	2.00	m ags

* m ah - metres along hole

Measurement Units

Volume:	m^3
Pressure:	kPa (psi for packer inflation)
Length:	m

Time

Start Flushing:	1540
End Flushing:	1605
Start Packer Testing:	1635
End Packer Testing:	-

FALLING HEAD TEST or RISING HEAD TEST

Time (Min)	Depth to H2O (m)	Δ Depth/Min
0		-
1		
2		
4		
6		
8		
10		
15		
20		
25		
30		
40		
50		
60		

Additional Comments: Very small leak in sub (50 mL/min)

Hole #: VWP15-04 / KL-15-254
Test #: 4

TETRA TECH EBA

Calculation Input Parameters

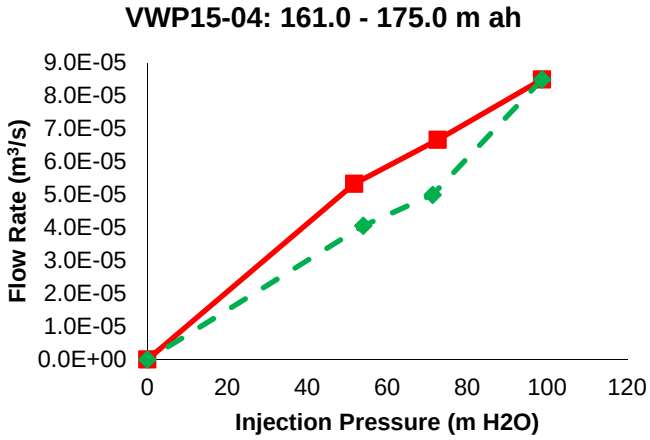
$$K = \frac{Q \times \ln\left(\frac{L \sin(A)}{r}\right)}{2 \times \pi \times L \sin(A) \times dH}$$

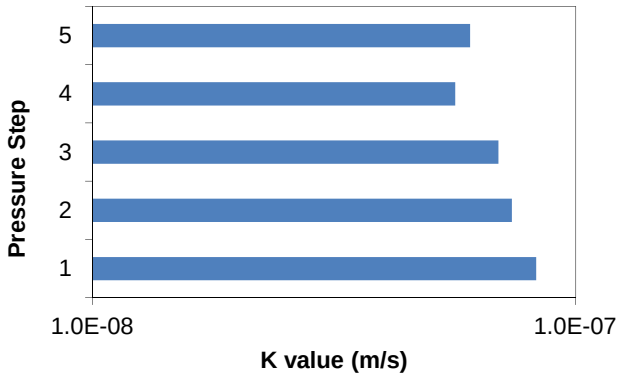
Top of Packer Test Interval (mah):	161.0
Bottom of Packer Test Interval (mah):	175.0
L: Length of Test Interval (mah)	14.0
Test Interval Midpoint (mah):	168.0
Stickup Height (mah):	2.00
Pressure Gauge Height (m above ground):	2.00
Depth to Water Table (mah):	36.50
Borehole Diameter (mm):	96
r: Borehole Radius (m):	0.048
A: Angle From Horizontal (deg):	-50

* mah indicates "meters along hole"

Pressure Step	Pressure (psi)	Pressure (kPa)	Pressure (m of water)	Head Differential dH (m)	Flowrate Q (m^3/s)	Hydraulic Conductivity K (m/s)
1	33.1	228.0	23.3	51.7	5.3E-05	8.3E-08
2	62.7	432.5	44.1	72.5	6.7E-05	7.4E-08
3	99.8	688.0	70.2	98.6	8.5E-05	6.9E-08
4	60.9	420.0	42.8	71.3	5.0E-05	5.6E-08
5	36.3	250.0	25.5	53.9	4.1E-05	6.0E-08
					Geometric Mean:	**6.8E-08**

Diagnostic Plots





Constant Head (CH) and Falling/Rising Head (F/RH) Packer Test - Field Form

Client: Rockhaven Resources
Project: Klaza
Project #: ENVMIN03054
Personnel: KRR

Collar El.: 1303 m
Trend: 35 deg
Plunge: -50 deg
Date: 2-Jul-15

Hole #: VWP15-04 / KL-15-254
Hole Size: HQ
Design Test Interval: 712 - 807 ft
Test #: 5

Packer Setup Type: Single

Pressure Interval 1

Minutes	Pressure kPa	Volume m3	Δ Volume m3
0	220.0	97.5010	-
1	220.0	97.5022	
2	220.0	97.5037	
3	220.0	97.5042	0.0005
4	220.0	97.5052	
5			
6			
7			
8			
9			
10			
Stable Ave.	220.0		0.0005

Pressure Interval 2

Minutes	Pressure kPa	Volume m3	Δ Volume m3
0	450.0	97.5070	-
1	470.0	97.5080	0.0010
2	470.0	97.5090	
3	470.0	97.5095	0.0008
4	470.0	97.5100	
5	470.0	97.5105	0.0005
6			
7			
8			
9			
10			
Stable Ave.	470.0		0.0007

Pressure Interval 3

Minutes	Pressure kPa	Volume m3	Δ Volume m3
0	700	97.5110	-
1			
2	680	97.5130	0.0010
3	680	97.5140	0.0010
4	680	97.5150	0.0010
5	680	97.5155	0.0005
6			
7			
8			
9			
10			
Stable Ave.	680.0		0.0009

Pressure Interval 4

Minutes	Pressure kPa	Volume m3	Δ Volume m3
0			-
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
Stable Ave.			

Pressure Interval 5

Minutes	Pressure kPa	Volume m3	Δ Volume m3
0			-
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
Stable Ave.			

Pressure Interval 6

Minutes	Pressure kPa	Volume m3	Δ Volume m3
0			-
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			

Measurements

Depth to Water from Top of Stickup:	35.5	m toc
Top of Packer Interval:	217.02	m ah*
Bottom of Packer Interval (or Bottom of Hole):	245.97	m ah
Packer Inflation Pressure:	550	psi
Rod Stickup Height:	2.00	m ags
Water Flushed (Vol./Time/Until Clean):		
Packer Pipe ID/ or Drill Rod ID (circle one):		
Borehole Outside Diameter:	96	mm
Vertical height of gauge above ground:	2.00	m ags

* m ah - metres along hole

Measurement Units

Volume:	m^3
Pressure:	kPa (psi for packer inflation)
Length:	m

Time

Start Flushing:	1155
End Flushing:	1225
Start Packer Testing:	1302
End Packer Testing:	1320

FALLING HEAD TEST or RISING HEAD TEST

Time (Min)	Depth to H2O (m)	Δ Depth/Min
0		-
1		
2		
4		
6		
8		
10		
15		
20		
25		
30		
40		
50		
60		

Additional Comments: No leak from sub.

Hole #: **VWP15-04 / KL-15-254**
Test #: **5**

TETRA TECH EBA

Calculation Input Parameters

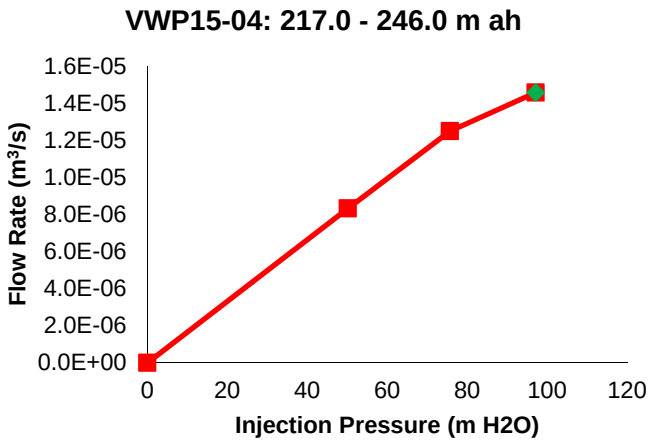
$$K = \frac{Q \times \ln\left(\frac{L \sin(A)}{r}\right)}{2 \times \pi \times L \sin(A) \times dH}$$

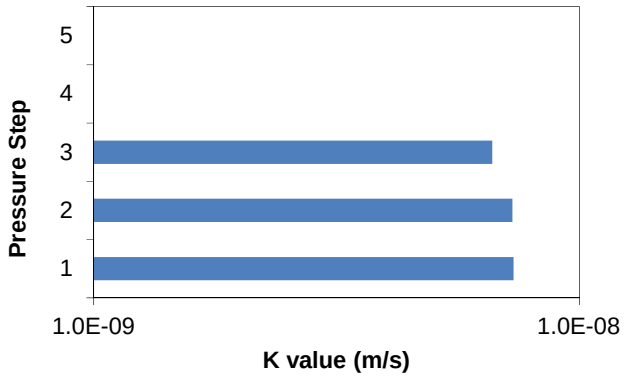
Top of Packer Test Interval (mah):	217.0
Bottom of Packer Test Interval (mah):	246.0
L: Length of Test Interval (mah)	29.0
Test Interval Midpoint (mah):	231.5
Stickup Height (mah):	2.00
Pressure Gauge Height (m above ground):	2.00
Depth to Water Table (mah):	35.50
Borehole Diameter (mm):	96
r: Borehole Radius (m):	0.048
A: Angle From Horizontal (deg):	-50

* mah indicates "meters along hole"

Pressure Step	Pressure (psi)	Pressure (kPa)	Pressure (m of water)	Head Differential dH (m)	Flowrate Q (m^3/s)	Hydraulic Conductivity K (m/s)
1	31.9	220.0	22.4	50.1	8.3E-06	7.3E-09
2	68.2	470.0	47.9	75.6	1.2E-05	7.3E-09
3	98.6	680.0	69.3	97.0	1.5E-05	6.6E-09
4						
5						
					Geometric Mean:	**7.1E-09**

Diagnostic Plots





Constant Head (CH) and Falling/Rising Head (F/RH) Packer Test - Field Form

Client: Rockhaven Resources
Project: Klaza
Project #: ENVMIN03054-01
Personnel: Eliane Roy

Collar El.: 1367 m
Trend: 35 deg
Plunge: -50 deg
Date: 30-Jun-15

Hole #: VWP15-02 / KL-15-255
Hole Size: HQ
Design Test Interval: 152 - 207 ft
Test #: 1

Packer Setup Type: Single

Pressure Interval 1

Minutes	Pressure kPa	Volume m3	Δ Volume m3
0	125.0	93.4940	-
1	125.0	93.4940	0.0000
2	125.0	93.4940	0.0000
3	125.0	93.4940	0.0000
4			
5			
6			
7			
8			
9			
10			
Stable Ave.	125.0		0.0000

Pressure Interval 2

Minutes	Pressure kPa	Volume m3	Δ Volume m3
0	260.0	93.4940	-
1	260.0	93.4940	0.0000
2	250.0	93.4940	0.0000
3	260.0	93.4940	0.0000
4			
5			
6			
7			
8			
9			
10			
Stable Ave.	256.7		0.0000

Pressure Interval 3

Minutes	Pressure kPa	Volume m3	Δ Volume m3
0	390	93.4947	-
1	415	93.4950	0.0001
2	415	93.4957	0.0003
3	415	93.4965	0.0005
4			
5			
6			
7			
8			
9			
10			
Stable Ave.	415.0		0.0003

Pressure Interval 4

Minutes	Pressure kPa	Volume m3	Δ Volume m3
0			-
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
Stable Ave.			

Pressure Interval 5

Minutes	Pressure kPa	Volume m3	Δ Volume m3
0			-
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
Stable Ave.			

Pressure Interval 6

Minutes	Pressure kPa	Volume m3	Δ Volume m3
0			-
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			

Measurements

Depth to Water from Top of Stickup:	62.7	m toc
Top of Packer Interval:	46.00	m ah*
Bottom of Packer Interval (or Bottom of Hole):	62.70	m ah
Packer Inflation Pressure:	250	psi
Rod Stickup Height:	2.00	m ags
Water Flushed (Vol./Time/Until Clean):		
Packer Pipe ID/ or Drill Rod ID (circle one):		
Borehole Outside Diameter:	96	mm
Vertical height of gauge above ground:	2.00	m ags

* m ah - metres along hole

Measurement Units

Volume:	m^3
Pressure:	kPa (psi for packer inflation)
Length:	m

Time

Start Flushing:	22:10
End Flushing:	22:22
Start Packer Testing:	23:07
End Packer Testing:	23:20

FALLING HEAD TEST or RISING HEAD TEST

Time (Min)	Depth to H2O (m)	Δ Depth/Min
0		-
1		
2		
4		
6		
8		
10		
15		
20		
25		
30		
40		
50		
60		

Additional Comments: Leak at top of stuffing box at 390 kPa. ~ 200 mL/min

Hole #: VWP15-02 / KL-15-255
Test #: 1

TETRA TECH EBA

Calculation Input Parameters

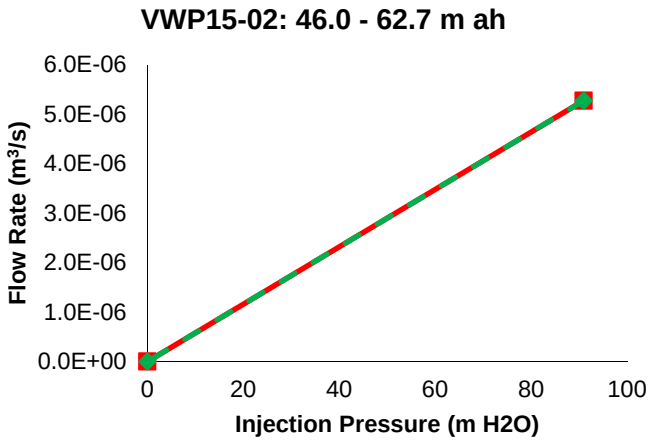
$$K = \frac{Q \times \ln\left(\frac{L \sin(A)}{r}\right)}{2 \times \pi \times L \sin(A) \times dH}$$

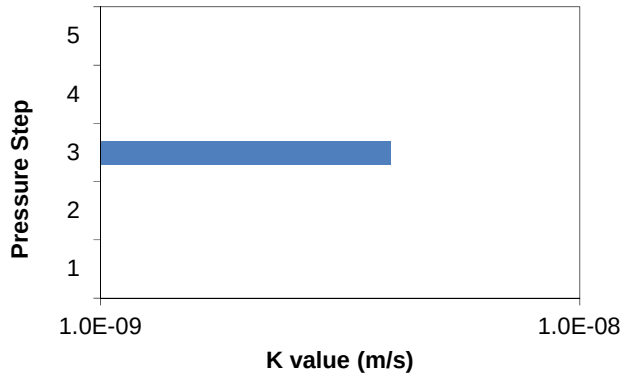
Top of Packer Test Interval (mah):	46.0
Bottom of Packer Test Interval (mah):	62.7
L: Length of Test Interval (mah)	16.7
Test Interval Midpoint (mah):	54.4
Stickup Height (mah):	2.00
Pressure Gauge Height (m above ground):	2.00
Depth to Water Table (mah):	62.70
Borehole Diameter (mm):	96
r: Borehole Radius (m):	0.048
A: Angle From Horizontal (deg):	-50

* mah indicates "meters along hole"

Pressure Step	Pressure (psi)	Pressure (kPa)	Pressure (m of water)	Head Differential dH (m)	Flowrate Q (m^3/s):	Hydraulic Conductivity K (m/s)
1						
2						
3	60.2	415.0	42.3	90.8	5.3E-06	4.0E-09
4						
5						
					Geometric Mean:	**4.0E-09**

Diagnostic Plots





Constant Head (CH) and Falling/Rising Head (F/RH) Packer Test - Field Form

Client: Rockhaven Resources
Project: Klaza
Project #: ENVMIN03054-01
Personnel: KRR

Collar El.: 1367 m
Trend: 35 deg
Plunge: -50 deg
Date: 1-Jul-15

Hole #: VWP15-02 / KL-15-255
Hole Size: HQ
Design Test Interval: 332 - 417 ft
Test #: 2

Packer Setup Type: Single

Pressure Interval 1

Minutes	Pressure kPa	Volume m3	Δ Volume m3
0	190.0	95.3860	-
1	190.0	95.3865	0.0005
2	190.0	95.3870	0.0005
3	190.0	95.3875	0.0005
4	190.0	95.3878	0.0003
5	190.0	95.3882	0.0004
6			
7			
8			
9			
10			
Stable Ave.	190.0		0.0004

Pressure Interval 2

Minutes	Pressure kPa	Volume m3	Δ Volume m3
0	380.0	95.3882	-
1	380.0	95.3890	0.0008
2	380.0	95.3902	0.0012
3	380.0	95.3910	0.0008
4	380.0	95.3918	0.0008
5	380.0	95.3925	0.0007
6			
7			
8			
9			
10			
Stable Ave.	380.0		0.0008

Pressure Interval 3

Minutes	Pressure kPa	Volume m3	Δ Volume m3
0	540	95.3930	-
1	560	95.3940	0.0008
2	580	95.3952	0.0009
3	580	95.3962	0.0008
4	580	95.3972	0.0007
5	580	95.3975	0.0004
6			
7			
8			
9			
10			
Stable Ave.	576.0		0.0007

Pressure Interval 4

Minutes	Pressure kPa	Volume m3	Δ Volume m3
0	300	95.398	-
1	300	95.3985	0.0005
2	300	95.399	0.0005
3	300	95.399	0.0000
4	300	95.3995	0.0005
5	300	95.4000	0.0005
6			
7			
8			
9			
10			
Stable Ave.	300.0		0.0004

Pressure Interval 5

Minutes	Pressure kPa	Volume m3	Δ Volume m3
0			-
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
Stable Ave.			

Pressure Interval 6

Minutes	Pressure kPa	Volume m3	Δ Volume m3
0			-
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			

Measurements

Depth to Water from Top of Stickup:	99.7	m toc
Top of Packer Interval:	100.53	m ah*
Bottom of Packer Interval (or Bottom of Hole):	126.27	m ah
Packer Inflation Pressure:	400	psi
Rod Stickup Height:	2.00	m ags
Water Flushed (Vol./Time/Until Clean):	30 min	
Packer Pipe ID/ or Drill Rod ID (circle one):		
Borehole Outside Diameter:	96	mm
Vertical height of gauge above ground:	2.00	m ags

* m ah - metres along hole

Measurement Units

Volume:	m^3
Pressure:	kPa (psi for packer inflation)
Length:	m

Time

Start Flushing:	10:55
End Flushing:	11:25
Start Packer Testing:	12:06
End Packer Testing:	12:32

FALLING HEAD TEST or RISING HEAD TEST

Time (Min)	Depth to H2O (m)	Δ Depth/Min
0		-
1		
2		
4		
6		
8		
10		
15		
20		
25		
30		
40		
50		
60		

Additional Comments: No leaks from sub. Small leak from flow meter

At 380 kPa, small lea from sub. ~50-60 ml/2 min

At 540, leaking at 250 ml/min. Was able to tighten sub without twisting pucks.

Hole #: VWP15-02 / KL-15-255
Test #: 2

TETRA TECH EBA

Calculation Input Parameters

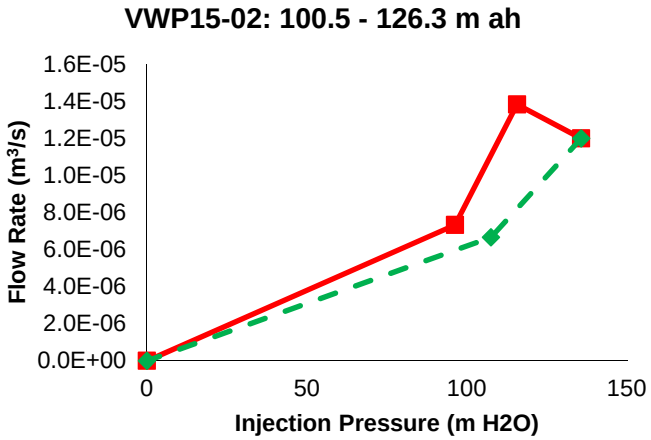
$$K = \frac{Q \times \ln\left(\frac{L \sin(A)}{r}\right)}{2 \times \pi \times L \sin(A) \times dH}$$

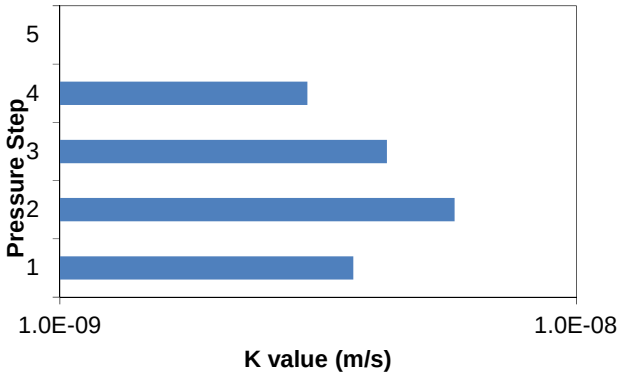
Top of Packer Test Interval (mah):	100.5
Bottom of Packer Test Interval (mah):	126.3
L: Length of Test Interval (mah)	25.7
Test Interval Midpoint (mah):	113.4
Stickup Height (mah):	2.00
Pressure Gauge Height (m above ground):	2.00
Depth to Water Table (mah):	99.70
Borehole Diameter (mm):	96
r: Borehole Radius (m):	0.048
A: Angle From Horizontal (deg):	-50

* mah indicates "meters along hole"

Pressure Step	Pressure (psi)	Pressure (kPa)	Pressure (m of water)	Head Differential dH (m)	Flowrate Q (m^3/s)	Hydraulic Conductivity K (m/s)
1	27.6	190.0	19.4	96.2	7.3E-06	3.7E-09
2	55.1	380.0	38.8	115.6	1.4E-05	5.8E-09
3	83.5	576.0	58.7	135.6	1.2E-05	4.3E-09
4	43.5	300.0	30.6	107.4	6.7E-06	3.0E-09
5						
					Geometric Mean:	**4.1E-09**

Diagnostic Plots





Constant Head (CH) and Falling/Rising Head (F/RH) Packer Test - Field Form

Client: Rockhaven Resources
Project: Klaza
Project #: ENVMIN03054
Personnel: Eliane Roy

Collar El.: 1367 m
Trend: 35 deg
Plunge: -50 deg
Date: 1-Jul-15

Hole #: VWP15-02 / KL-15-255
Hole Size: HQ
Design Test Interval: 512 - 527 ft
Test #: 3

Packer Setup Type: Single

Pressure Interval 1

Minutes	Pressure kPa	Volume m3	Δ Volume m3
0	230.0	96.4850	-
1	230.0	96.5320	0.0470
2	235.0	96.5775	0.0455
3	245.0	96.6225	0.0450
4	245.0	96.6705	0.0480
5	245.0	96.7150	0.0445
6			
7			
8			
9			
10			
Stable Ave.	240.0		0.0460

Pressure Interval 2

Minutes	Pressure kPa	Volume m3	Δ Volume m3
0	470.0	96.8000	-
1	475.0	96.8630	0.0630
2	475.0	96.9230	0.0600
3	475.0	96.9850	0.0620
4	485.0	97.0570	0.0720
5	485.0	97.1120	0.0550
6			
7			
8			
9			
10			
Stable Ave.	479.0		0.0624

Pressure Interval 3

Minutes	Pressure kPa	Volume m3	Δ Volume m3
0	680	97.2400	-
1	710	97.3150	0.0750
2	710	97.3920	0.0760
3	Return through casing but packers still inflated		
4			
5	Interrupted test		
6			
7			
8			
9			
10			
Stable Ave.	710.0		0.0755

Pressure Interval 4

Minutes	Pressure kPa	Volume m3	Δ Volume m3
0			
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
Stable Ave.			

Pressure Interval 5

Minutes	Pressure kPa	Volume m3	Δ Volume m3
0			-
1			
2			0.0000
3			0.0000
4			0.0000
5			0.0000
6			
7			
8			
9			
10			
Stable Ave.			

Pressure Interval 6

Minutes	Pressure kPa	Volume m3	Δ Volume m3
0			-
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			

Measurements

Depth to Water from Top of Stickup:	99.7	m toc
Top of Packer Interval:	156.05	m ah*
Bottom of Packer Interval (or Bottom of Hole):	160.64	m ah
Packer Inflation Pressure:	400	psi
Rod Stickup Height:	2.00	m ags
Water Flushed (Vol./Time/Until Clean):		
Packer Pipe ID/ or Drill Rod ID (circle one):		
Borehole Outside Diameter:	96	mm
Vertical height of gauge above ground:	2.00	m ags

* m ah - metres along hole

Measurement Units

Volume: m^3
Pressure: kPa (psi for packer inflation)
Length: m

Time

Start Flushing:	22:30
End Flushing:	22:50
Start Packer Testing:	
End Packer Testing:	23:58

FALLING HEAD TEST or RISING HEAD TEST

Time (Min)	Depth to H2O (m)	Δ Depth/Min
0		-
1		
2		
4		
6		
8		
10		
15		
20		
25		
30		
40		
50		
60		

Additional Comments: Drillersradioed when they lost return. Took a long time to fill rods.

Hole #: VWP15-02 / KL-15-255
Test #: 3

TETRA TECH EBA

Calculation Input Parameters

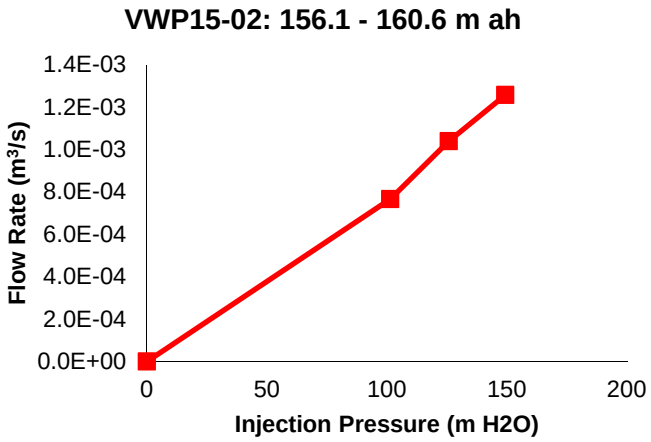
Top of Packer Test Interval (mah):	156.1
Bottom of Packer Test Interval (mah):	160.6
L: Length of Test Interval (mah)	4.6
Test Interval Midpoint (mah):	158.3
Stickup Height (mah):	2.00
Pressure Gauge Height (m above ground):	2.00
Depth to Water Table (mah):	99.70
Borehole Diameter (mm):	96
r: Borehole Radius (m):	0.048
A: Angle From Horizontal (deg):	-50

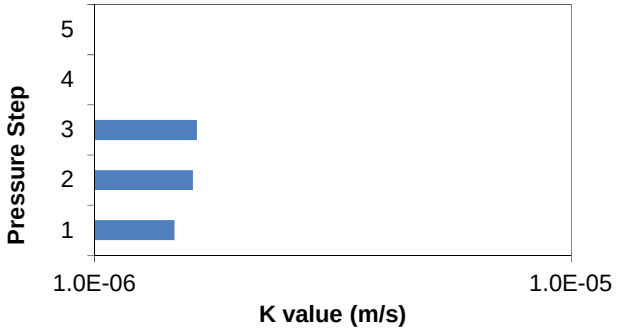
* mah indicates "meters along hole"

$$K = \frac{Q \times \ln\left(\frac{L \sin(A)}{r}\right)}{2 \times \pi \times L \sin(A) \times dH}$$

Pressure Step	Pressure (psi)	Pressure (kPa)	Pressure (m of water)	Head Differential dH (m)	Flowrate Q (m^3/s)	Hydraulic Conductivity K (m/s)
1	34.8	240.0	24.5	101.3	7.7E-04	1.5E-06
2	69.5	479.0	48.8	125.7	1.0E-03	1.6E-06
3	103.0	710.0	72.4	149.2	1.3E-03	1.6E-06
4						
5						
					Geometric Mean:	**1.6E-06**

Diagnostic Plots





Constant Head (CH) and Falling/Rising Head (F/RH) Packer Test - Field Form

Client: Rockhaven Resources
Project: Klaza
Project #: ENVMIN03054
Personnel: Eliane Roy

Collar El.: 1367 m
Trend: 35 deg
Plunge: -50 deg
Date: 2-Jul-15

Hole #: VWP15-02 / KL-15-255
Hole Size: HQ
Design Test Interval: 772 - 847 ft
Test #: 4

Packer Setup Type: Single

Pressure Interval 1

Minutes	Pressure kPa	Volume m3	Δ Volume m3
0	235.0	97.5517	-
1	235.0	97.5522	0.0005
2	235.0	97.5527	0.0005
3	245.0	97.5530	0.0003
4	245.0	97.5532	0.0002
5	245.0	97.5537	0.0005
6			
7			
8			
9			
10			
Stable Ave.	241.0		0.0004

Pressure Interval 2

Minutes	Pressure kPa	Volume m3	Δ Volume m3
0	480.0	97.5550	-
1	470.0	97.5567	0.0017
2			
3	470.0	97.5590	0.0011
4	475.0	97.5602	0.0012
5	475.0	97.5612	0.0010
6	475.0	97.5622	0.0010
7			
8			
9			
10			
Stable Ave.	473.0		0.0013

Pressure Interval 3

Minutes	Pressure kPa	Volume m3	Δ Volume m3
0	680	97.5645	-
1	680	97.5657	0.0012
2	680	97.5675	0.0018
3	680	97.5687	0.0012
4	680	97.5700	0.0013
5	680	97.5715	0.0015
6			
7			
8			
9			
10			
Stable Ave.	680.0		0.0014

Pressure Interval 4

Minutes	Pressure kPa	Volume m3	Δ Volume m3
0	460	97.573	-
1	460	97.5737	0.0007
2	460	97.5755	0.0018
3	460	97.577	0.0015
4	465	97.578	0.0010
5	465	97.579	0.0010
6			
7			
8			
9			
10			
Stable Ave.	462.0		0.0012

Pressure Interval 5

Minutes	Pressure kPa	Volume m3	Δ Volume m3
0	230.0	97.5795	-
1	230.0	97.5802	
2	230.0	97.5807	0.0006
3	230.0	97.5812	0.0005
4	230.0	97.5825	0.0013
5	230.0	97.5827	0.0002
6	230.0	97.5835	0.0008
7			
8			
9			
10			
Stable Ave.	230.0		0.0007

Pressure Interval 6

Minutes	Pressure kPa	Volume m3	Δ Volume m3
0			-
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			

Measurements

Depth to Water from Top of Stickup:	99.7	m toc
Top of Packer Interval:	235.00	m ah*
Bottom of Packer Interval (or Bottom of Hole):	258.00	m ah
Packer Inflation Pressure:	575	psi
Rod Stickup Height:	2.00	m ags
Water Flushed (Vol./Time/Until Clean):		
Packer Pipe ID/ or Drill Rod ID (circle one):		
Borehole Outside Diameter:	96	mm
Vertical height of gauge above ground:	2.00	m ags

* m ah - metres along hole

Measurement Units

Volume:	m^3
Pressure:	kPa (psi for packer inflation)
Length:	m

Time

Start Flushing:	21:19
End Flushing:	21:36
Start Packer Testing:	
End Packer Testing:	22:48

FALLING HEAD TEST or RISING HEAD TEST

Time (Min)	Depth to H2O (m)	Δ Depth/Min
0		-
1		
2		
4		
6		
8		
10		
15		
20		
25		
30		
40		
50		
60		

Additional Comments: No leaks!

Added 5 ft of casing = 25 ft total

TETRA TECH EBA

Hole #: VWP15-02 / KL-15-255
Test #: 4

TETRA TECH EBA

Calculation Input Parameters

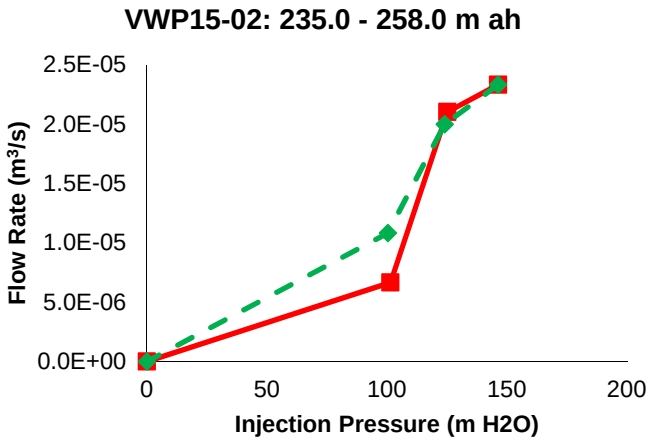
$$K = \frac{Q \times \ln\left(\frac{L \sin(A)}{r}\right)}{2 \times \pi \times L \sin(A) \times dH}$$

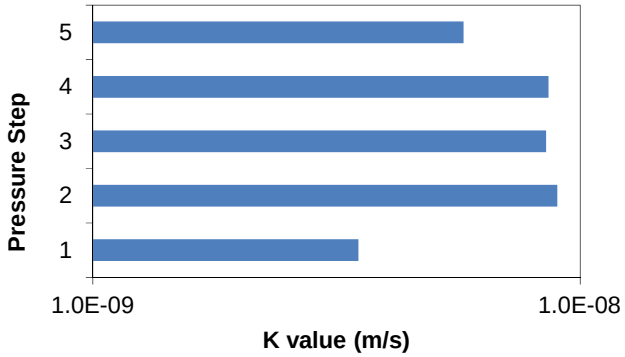
Top of Packer Test Interval (mah):	235.0
Bottom of Packer Test Interval (mah):	258.0
L: Length of Test Interval (mah)	23.0
Test Interval Midpoint (mah):	246.5
Stickup Height (mah):	2.00
Pressure Gauge Height (m above ground):	2.00
Depth to Water Table (mah):	99.70
Borehole Diameter (mm):	96
r: Borehole Radius (m):	0.048
A: Angle From Horizontal (deg):	-50

* mah indicates "meters along hole"

Pressure Step	Pressure (psi)	Pressure (kPa)	Pressure (m of water)	Head Differential dH (m)	Flowrate Q (m^3/s)	Hydraulic Conductivity K (m/s)
1	35.0	241.0	24.6	101.4	6.7E-06	3.5E-09
2	68.6	473.0	48.2	125.1	2.1E-05	9.0E-09
3	98.6	680.0	69.3	146.2	2.3E-05	8.5E-09
4	67.0	462.0	47.1	124.0	2.0E-05	8.6E-09
5	33.4	230.0	23.5	100.3	1.1E-05	5.8E-09
					Geometric Mean:	**6.7E-09**

Diagnostic Plots





Constant Head (CH) and Falling/Rising Head (F/RH) Packer Test - Field Form

Client: Rockhaven Resources
Project: Klaza
Project #: ENVMIN03054
Personnel: Eliane Roy

Collar El.: 1367 m
Trend: 35 deg
Plunge: -50 deg
Date: 3-Jul-15

Hole #: VWP15-02 / KL-15-255
Hole Size: HQ
Design Test Interval: 1117 - 1197 ft
Test #: 5

Packer Setup Type: Single

Pressure Interval 1

Minutes	Pressure kPa	Volume m3	Δ Volume m3
0	235.0	97.8732	-
1	235.0	97.8747	0.0015
2	235.0	97.8755	0.0008
3	235.0		
4	235.0	97.8770	0.0007
5	235.0	97.8780	0.0010
6			
7			
8			
9			
10			
Stable Ave.	235.0		0.0010

Pressure Interval 2

Minutes	Pressure kPa	Volume m3	Δ Volume m3
0	475.0	97.8792	-
1	475.0	97.8805	0.0013
2	475.0	97.8817	0.0012
3	475.0	97.8832	0.0015
4	480.0	97.8847	0.0015
5	480.0	97.8860	0.0013
6			
7			
8			
9			
10			
Stable Ave.	477.0		0.0014

Pressure Interval 3

Minutes	Pressure kPa	Volume m3	Δ Volume m3
0	690	97.8887	-
1	695	97.8905	0.0018
2	700	97.8922	0.0017
3	700	97.8942	0.0020
4	705	97.8960	0.0018
5	705	97.8977	0.0017
6	705	97.8995	0.0018
7			
8			
9			
10			
Stable Ave.	701.7		0.0018

Pressure Interval 4

Minutes	Pressure kPa	Volume m3	Δ Volume m3
0	455	97.9005	-
1	460	97.902	0.0015
2	460	97.9035	0.0015
3	465	97.9047	0.0012
4	465	97.906	0.0013
5	465	97.9075	0.0015
6	465	97.9085	0.0010
7			
8			
9			
10			
Stable Ave.	463.3		0.0014

Pressure Interval 5

Minutes	Pressure kPa	Volume m3	Δ Volume m3
0	235.0	97.9095	-
1	235.0	97.9105	0.0010
2	235.0	97.9107	0.0002
3	235.0	97.9117	0.0010
4	235.0	97.9122	0.0005
5	235.0	97.9132	0.0010
6			
7			
8			
9			
10			
Stable Ave.	235.0		0.0007

Pressure Interval 6

Minutes	Pressure kPa	Volume m3	Δ Volume m3
0			-
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			

Measurements

Depth to Water from Top of Stickup:	99.7	m toc
Top of Packer Interval:	340.00	m ah*
Bottom of Packer Interval (or Bottom of Hole):	365.00	m ah
Packer Inflation Pressure:	635	psi
Rod Stickup Height:	2.00	m ags
Water Flushed (Vol./Time/Until Clean):		
Packer Pipe ID/ or Drill Rod ID (circle one):		
Borehole Outside Diameter:	96	mm
Vertical height of gauge above ground:	2.00	m ags

* m ah - metres along hole

Measurement Units

Volume:	m^3
Pressure:	kPa (psi for packer inflation)
Length:	m

Time

Start Flushing:	0410
End Flushing:	0450
Start Packer Testing:	0625
End Packer Testing:	0658

FALLING HEAD TEST or RISING HEAD TEST

Time (Min)	Depth to H2O (m)	Δ Depth/Min
0		-
1		
2		
4		
6		
8		
10		
15		
20		
25		
30		
40		
50		
60		

Additional Comments:

TETRA TECH EBA

Hole #: VWP15-02 / KL-15-255
Test #: 5

TETRA TECH EBA

Calculation Input Parameters

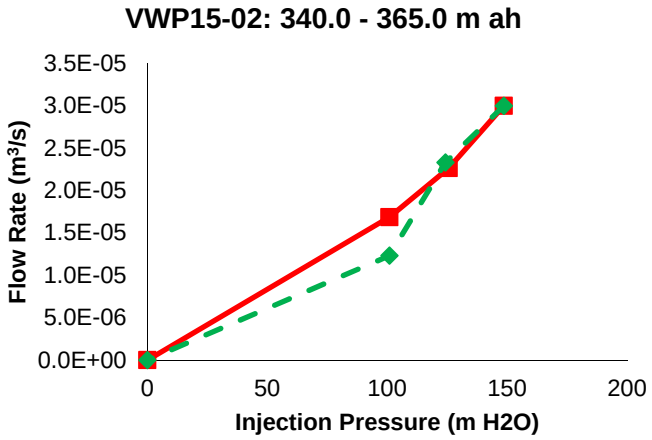
Top of Packer Test Interval (mah):	340.0
Bottom of Packer Test Interval (mah):	365.0
L: Length of Test Interval (mah)	25.0
Test Interval Midpoint (mah):	352.5
Stickup Height (mah):	2.00
Pressure Gauge Height (m above ground):	2.00
Depth to Water Table (mah):	99.70
Borehole Diameter (mm):	96
r: Borehole Radius (m):	0.048
A: Angle From Horizontal (deg):	-50

* mah indicates "meters along hole"

$$K = \frac{Q \times \ln\left(\frac{L \sin(A)}{r}\right)}{2 \times \pi \times L \sin(A) \times dH}$$

Pressure Step	Pressure (psi)	Pressure (kPa)	Pressure (m of water)	Head Differential dH (m)	Flowrate Q (m^3/s)	Hydraulic Conductivity K (m/s)
1	34.1	235.0	24.0	100.8	1.7E-05	8.3E-09
2	69.2	477.0	48.6	125.5	2.3E-05	9.0E-09
3	101.8	701.7	71.6	148.4	3.0E-05	1.0E-08
4	67.2	463.3	47.2	124.1	2.3E-05	9.4E-09
5	34.1	235.0	24.0	100.8	1.2E-05	6.1E-09
					Geometric Mean:	**8.4E-09**

Diagnostic Plots



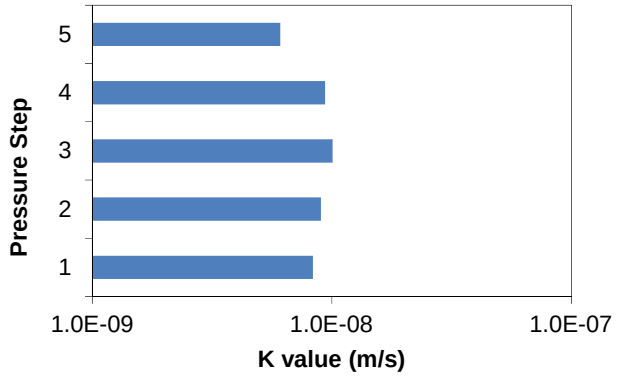


Photo 1: VWP15-01/KL-15-252: 30.82 - 40.00 m ah. Packer Test #1

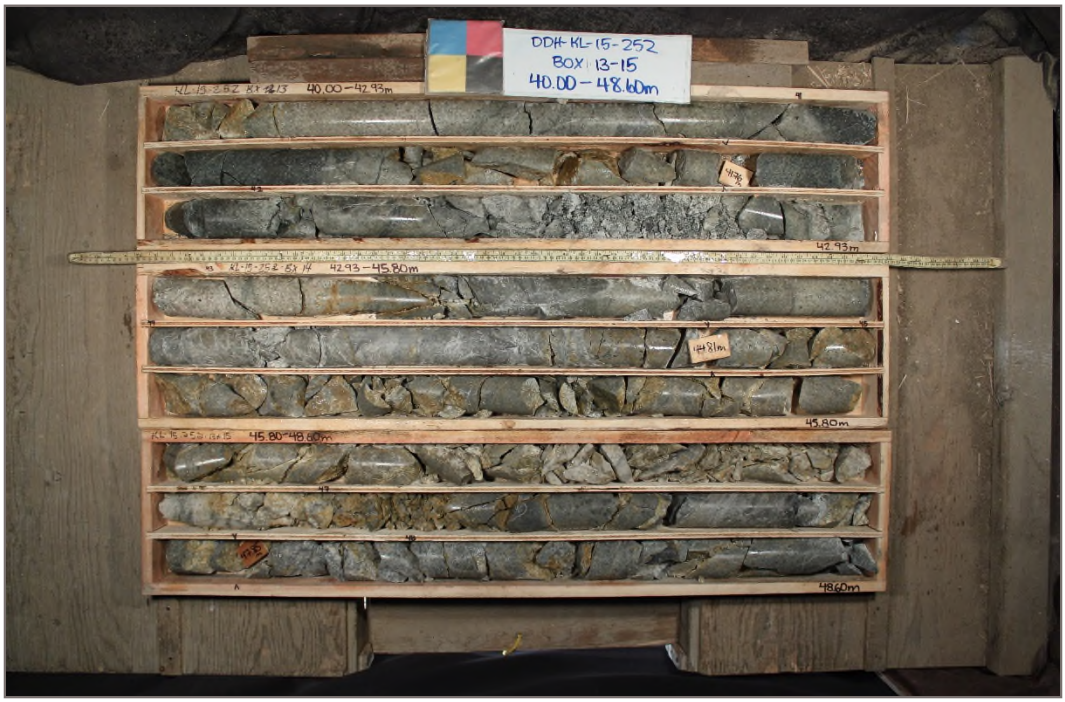


Photo 2: VWP15-01/KL-15-252: 40.00 – 48.60 m ah. Packer Test #1

Photo 3: VWP15-01/KL-15-252: 48.60 – 58.38 m ah. Packer Test #1 and 2.

Photo 4: VWP15-01/KL-15-252: 76.75 – 85.31 m ah. Packer Test #3

Photo 5: VWP15-01/KL-15-252: 85.31 – 88.00 m ah. Packer Test #3

Photo 6: VWP15-01/KL-15-252: 88.00 – 93.57 m ah. Packer Test #3

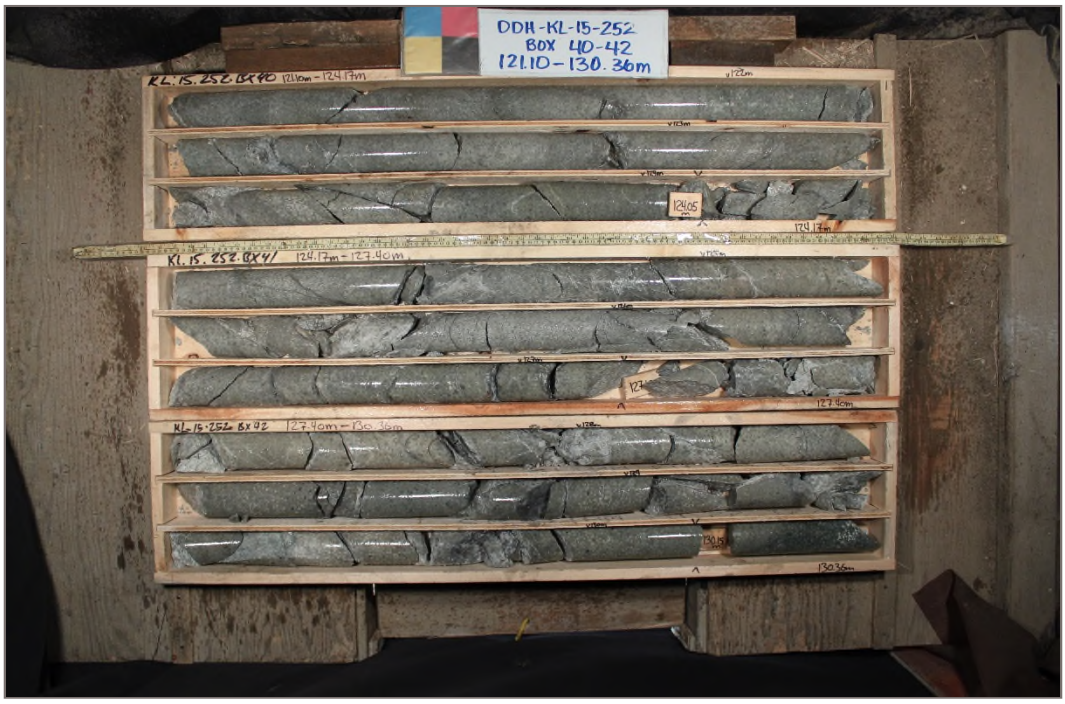


Photo 7: VWP15-01/KL-15-252: 121.0 – 130.36 m ah. Packer Test #4

Photo 8: VWP15-01/KL-15-252: 130.36 – 139.88 m ah. Packer Test #4

Photo 9: VWP15-01/KL-15-252: 149.16 – 158.50 m ah. Packer Test #5

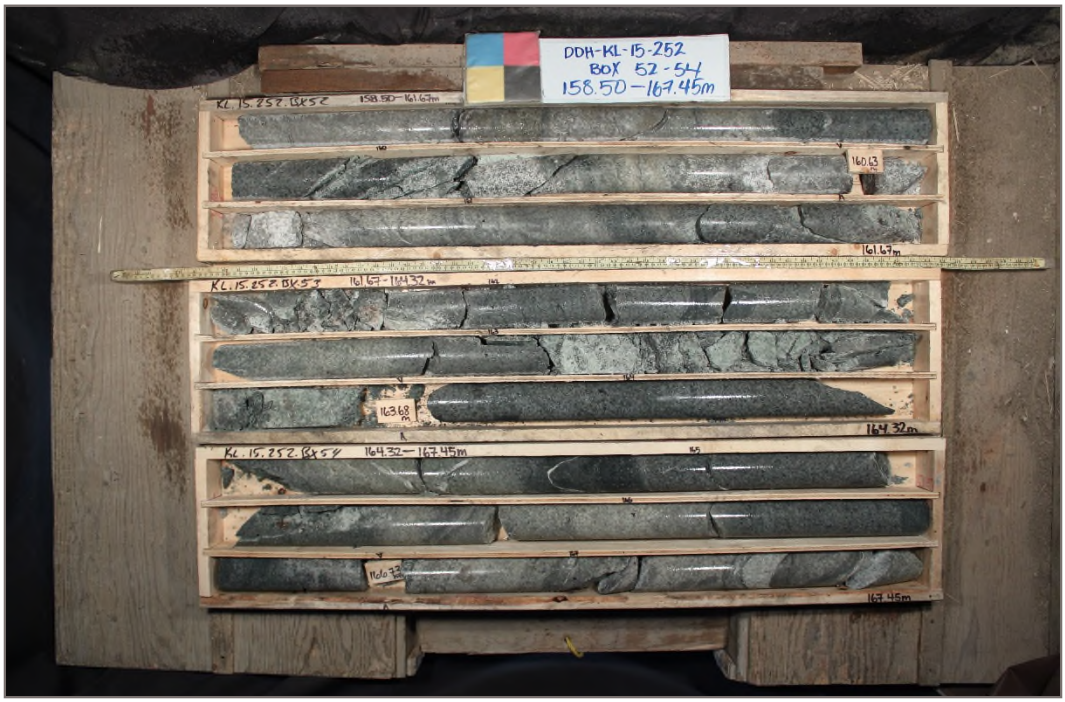


Photo 10: VWP15-01/KL-15-252: 158.50 – 167.45 m ah. Packer Test #5

Photo 11: VWP15-01/KL-15-252: 224.81 – 234.33 m ah. Packer Test #6

Photo 12: VWP15-01/KL-15-252: 234.33 – 244.17 m ah. Packer Test #6

Photo 13: VWP15-01/KL-15-252: 244.17 – 253.76 m ah. Packer Test #6

Photo 14: VWP15-01/KL-15-252: 256.76 – 263.40 m ah. Packer Test #6

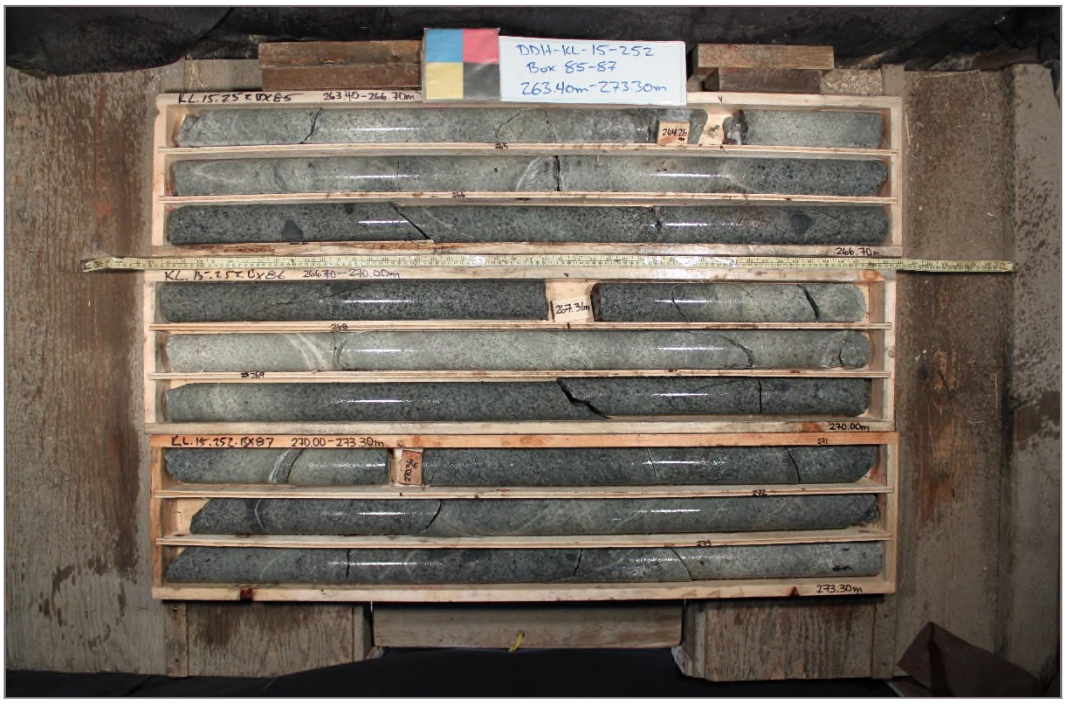


Photo 15: VWP15-01/KL-15-252: 263.40 – 273.30 m ah. Packer Test #6

Photo 1: VWP15-02/KL-15-255: 58.61 – 68.55 m ah. Packer Test #1

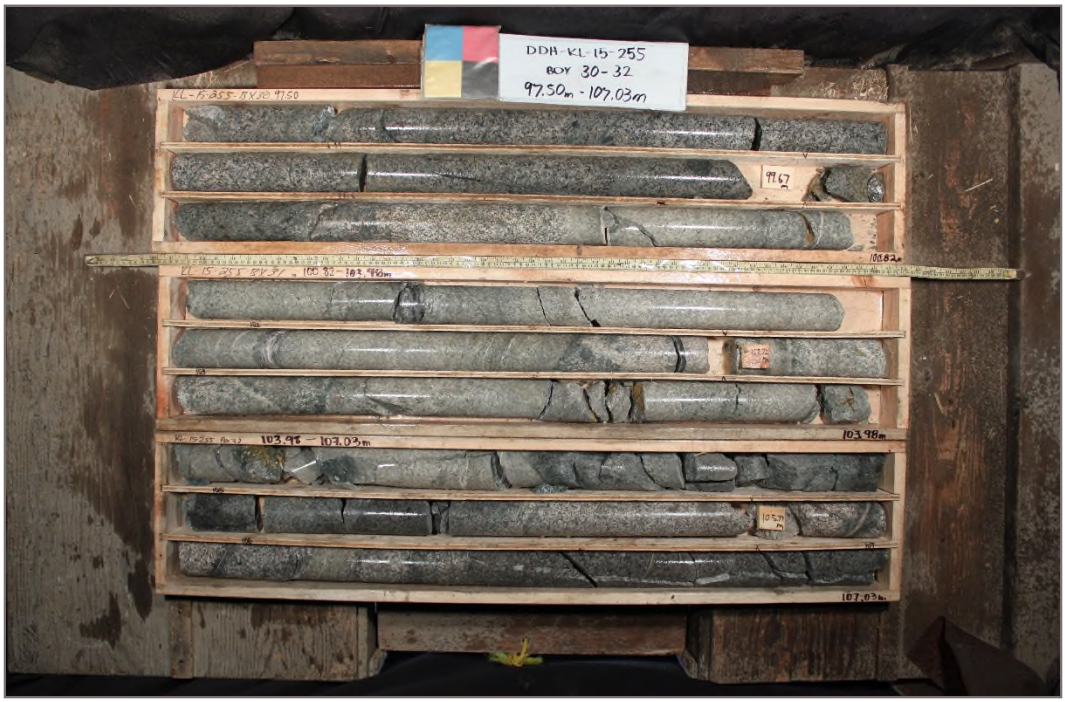


Photo 2: VWP15-02/KL-15-255: 97.50 – 107.03 m ah. Packer Test #2

Photo 3: VWP15-02/KL-15-255: 107.03 – 116.87 m ah. Packer Test #2.

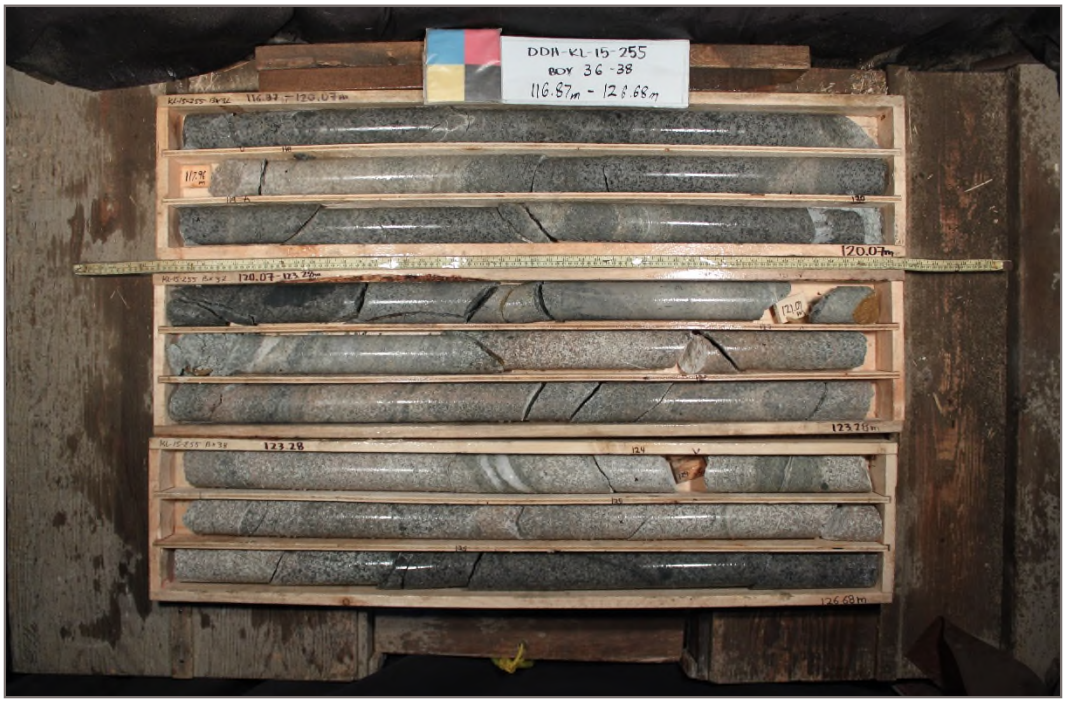


Photo 4: VWP15-02/KL-15-255: 116.87 – 121.68 m ah. Packer Test #2

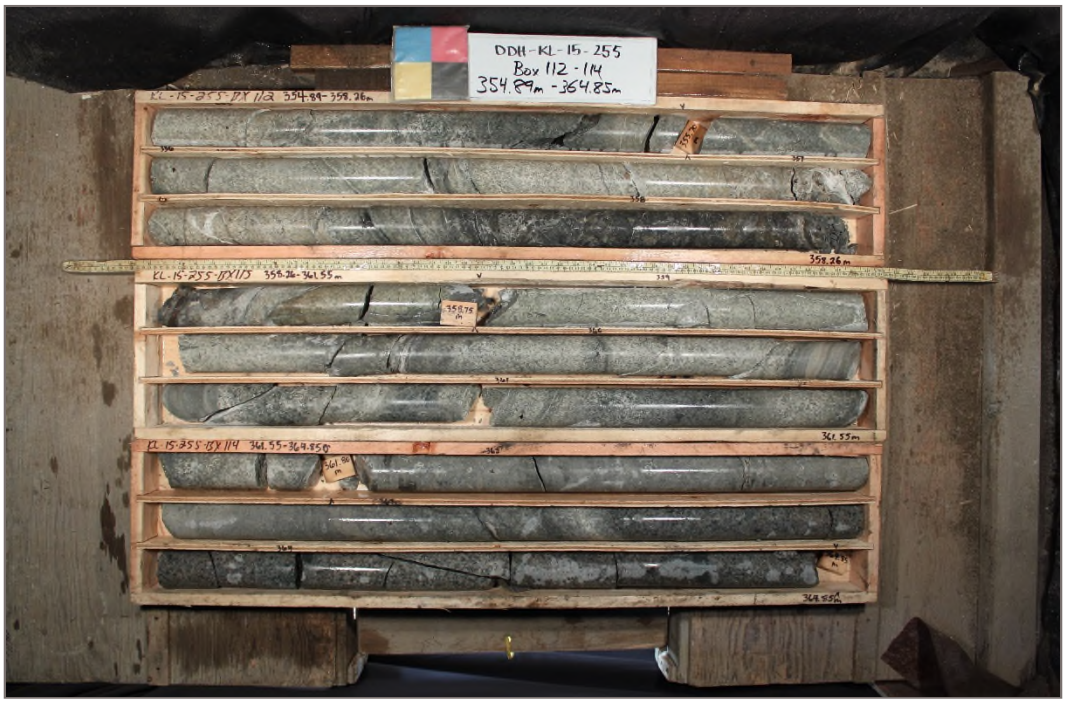


Photo 5: VWP15-02/KL-15-255: 354.89 – 364.85 m ah. Packer Test #5

Photo 1: VWP15-03/KL-15-253: 28.57 – 37.65 m ah. Packer Test #1

Photo 2: VWP15-03/KL-15-253: 37.65 – 46.05 m ah. Packer Test #1

Photo 3: VWP15-03/KL-15-253: 55.04 – 64.30 m ah. Packer Test # 2.

Photo 4: VWP15-03/KL-15-253: 64.30 – 73.63 m ah. Packer Test #2

Photo 5: VWP15-03/KL-15-253: 111.86 – 121.14 m ah. Packer Test #3

Photo 6: VWP15-03/KL-15-253: 121.14 – 130.31 m ah. Packer Test #3

Photo 7: VWP15-03/KL-15-253: 127.10 – 136.24 m ah. Packer Test #4

Photo 8: VWP15-03/KL-15-253: 136.24 – 144.56 m ah. Packer Test #4

Photo 9: VWP15-03/KL-15-253: 144.56 – 151.85 m ah. Packer Test #4

Photo 10: VWP15-03/KL-15-253: 248.56 – 258.33 m ah. Packer Test #6

Photo 11: VWP15-03/KL-15-253: 258.33 – 268.46 m ah. Packer Test #6

Photo 1: VWP15-04/KL-15-254: 32.25 – 41.04 m ah. Packer Test #1

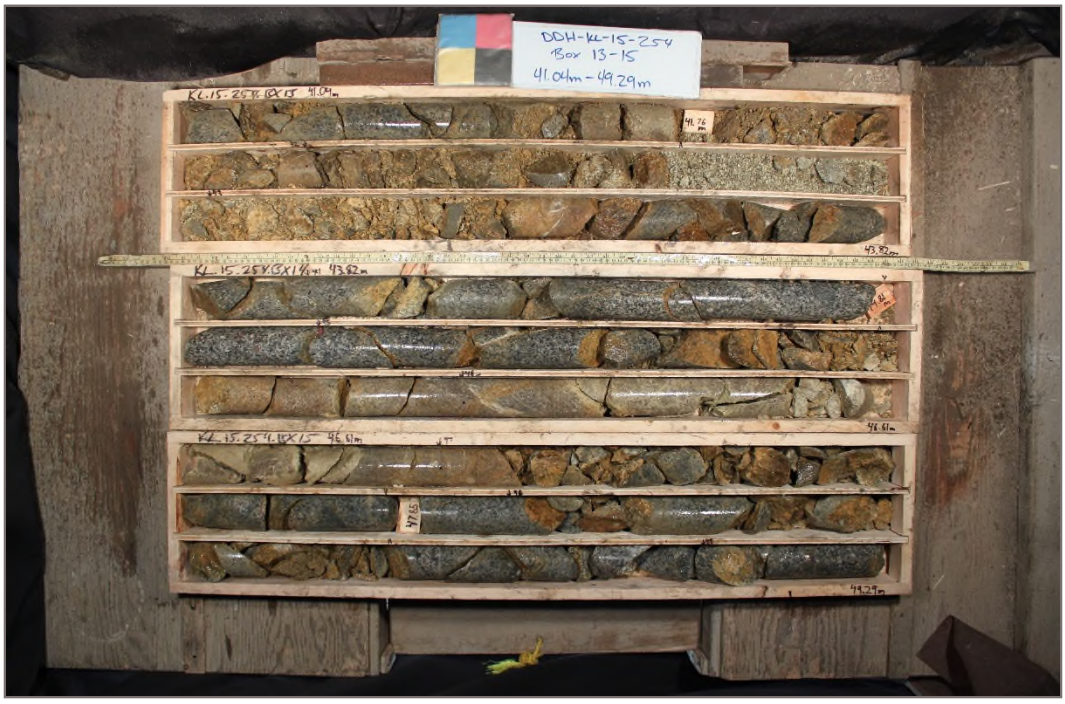


Photo 2: VWP15-04/KL-15-254: 41.04 – 49.29 m ah. Packer Test #1

Photo 3: VWP15-04/KL-15-254: 49.29 – 58.83 m ah. Packer Test #1.

Photo 4: VWP15-04/KL-15-254: 58.83 – 68.50 m ah. Packer Test #1

Photo 5: VWP15-04/KL-15-254: 68.50 – 77.80 m ah. Packer Test #1 and 2

Photo 6: VWP15-04/KL-15-254: 77.80 – 84.27 m ah. Packer Test #2

Photo 7: VWP15-04/KL-15-254: 84.27 – 90.75 m ah. Packer Test #2

Photo 8: VWP15-04/KL-15-254: 118.72 – 128.42 m ah. Packer Test #3

APPENDIX F
LABORATORY REPORT

Tetra Tech EBA Inc.
ATTN: Stephan Klump
61 Wasson Place
Whitehorse YT Y1A 0H7

Date Received: 25-AUG-15
Report Date: 02-SEP-15 17:54 (MT)
Version: FINAL

Client Phone: 867-668-3068

Certificate of Analysis

Lab Work Order #: L1662569

Project P.O. #: NOT SUBMITTED
Job Reference:
C of C Numbers: 10-266880
Legal Site Desc:

Brent Mack, B.Sc.
Account Manager

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ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample ID	L1662569-1	L1662569-2	L1662569-3	L1662569-4	L1662569-5
Description	Water	Water	Water	Water	Water
Sampled Date	23-AUG-15	23-AUG-15	23-AUG-15	24-AUG-15	24-AUG-15
Sampled Time					
Client ID	MW01(D)	MW02(S)	MW02(D)	MW03(S)	MW03(D)
Grouping / **Analyte**					
WATER					
Physical Tests Conductivity (uS/cm)	393	230	317	593	473
Hardness (as CaCO3) (ug/L)	184000	96000	146000	327000	237000
pH (pH)	7.76	6.81	7.52	7.52	7.53
Total Dissolved Solids (ug/L)	396000	167000	237000	401000	344000
Anions and Nutrients Acidity (as CaCO3) (ug/L)	6900	33500	7300	18300	10400
Alkalinity, Total (as CaCO3) (ug/L)	152000	78200	58100	257000	99200
Ammonia, Total (as N) (ug/L)	171	40.7	128	54.9	67.4
Chloride (Cl) (ug/L)	5940	<500	3540	<500	5050
Fluoride (F) (ug/L)	333	31	108	76	119
Nitrate (as N) (ug/L)	98.2	658	115	1540	175
Nitrite (as N) (ug/L)	3.2	6.0	4.0	7.9	4.1
Total Kjeldahl Nitrogen (ug/L)	5500	322	2600	595	1060
Orthophosphate-Dissolved (as P) (ug/L)	4.9	1.9	1.7	<1.0	1.9
Phosphorus (P)-Total (ug/L)	54.2	314	239	184	4.3
Sulfate (SO4) (ug/L)	72700	37500	99400	104000	138000
Organic / Inorganic Carbon Dissolved Organic Carbon (ug/L)	27800	4970	11900	3490	14100
Total Metals Aluminum (Al)-Total (ug/L)	7740	3990	1780	2130	622
Antimony (Sb)-Total (ug/L)	14.3	1.06	0.81	0.90	<0.50
Arsenic (As)-Total (ug/L)	3.85	43.3	30.1	10.6	2.49
Barium (Ba)-Total (ug/L)	819	434	130	189	87
Beryllium (Be)-Total (ug/L)	<1.0	<1.0	<1.0	<1.0	<1.0
Boron (B)-Total (ug/L)	<100	<100	<100	<100	<100
Cadmium (Cd)-Total (ug/L)	8.24	5.32	1.87	0.238	0.239
Calcium (Ca)-Total (ug/L)	64000	30200	44100	103000	68200
Chromium (Cr)-Total (ug/L)	2.8	3.5	6.3	1.9	<1.0
Cobalt (Co)-Total (ug/L)	2.75	5.37	8.36	2.83	4.70
Copper (Cu)-Total (ug/L)	39.2	21.9	29.6	9.1	5.3
Iron (Fe)-Total (ug/L)	3890	6350	6420	5770	711
Lead (Pb)-Total (ug/L)	40.6	48.2	36.4	11.7	3.30
Lithium (Li)-Total (ug/L)	11.6	3.6	6.8	4.9	2.7
Magnesium (Mg)-Total (ug/L)	13800	6660	9340	17100	14200
Manganese (Mn)-Total (ug/L)	286	861	836	539	569
Mercury (Hg)-Total (ug/L)	<0.025 DLM	0.038	0.039	<0.025 DLM	<0.025 DLM
Molybdenum (Mo)-Total (ug/L)	14.8	<1.0	3.2	1.9	3.6
Nickel (Ni)-Total (ug/L)	5.3	6.1	30.5	5.0	15.4
Potassium (K)-Total (ug/L)	7700	<2000	2000	2700	2500

* Please refer to the Reference Information section for an explanation of any qualifiers detected.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample ID	L1662569-6	L1662569-7	L1662569-8	L1662569-9	L1662569-10
Description	Water	Water	Water	Water	Water
Sampled Date	22-AUG-15	22-AUG-15	23-AUG-15	23-AUG-15	23-AUG-15
Sampled Time					
Client ID	MW04(S)	MW04(D)	MW05(S)	MW05(D)	QA01
Grouping / **Analyte**					
WATER					
Physical Tests Conductivity (uS/cm)	346	418	341	423	425
Hardness (as CaCO3) (ug/L)	155000	146000	61600	238000	235000
pH (pH)	7.95	8.02	7.91	8.01	8.05
Total Dissolved Solids (ug/L)	236000	263000	247000	251000	258000
Anions and Nutrients Acidity (as CaCO3) (ug/L)	5400	3700	4800	5000	4700
Alkalinity, Total (as CaCO3) (ug/L)	160000	128000	125000	197000	211000
Ammonia, Total (as N) (ug/L)	32.5	40.0	133	21.1	20.1
Chloride (Cl) (ug/L)	1450	9790	3860	650	660
Fluoride (F) (ug/L)	100	246	201	110	102
Nitrate (as N) (ug/L)	361	105	437	17.4	16.2
Nitrite (as N) (ug/L)	6.7	12.4	6.7	<1.0	<1.0
Total Kjeldahl Nitrogen (ug/L)	2610	<50	3600	380	640
Orthophosphate-Dissolved (as P) (ug/L)	1.3	<1.0	2.1	<1.0	<1.0
Phosphorus (P)-Total (ug/L)	8.2	13.1	540	15.5	13.4
Sulfate (SO4) (ug/L)	28700	78800	54100	40500	40500
Organic / Inorganic Carbon Dissolved Organic Carbon (ug/L)	8590	7210	9170	2900	2910
Total Metals Aluminum (Al)-Total (ug/L)	418	346	17000	543	552
Antimony (Sb)-Total (ug/L)	<0.50	0.51	1.02	0.70	0.72
Arsenic (As)-Total (ug/L)	0.76	2.19	47.7	1.68	1.85
Barium (Ba)-Total (ug/L)	160	60	875	95	96
Beryllium (Be)-Total (ug/L)	<1.0	<1.0	2.1	<1.0	<1.0
Boron (B)-Total (ug/L)	<100	<100	<100	<100	<100
Cadmium (Cd)-Total (ug/L)	0.0373	0.0555	6.58	0.233	0.250
Calcium (Ca)-Total (ug/L)	48100	36000	36200	63200	63800
Chromium (Cr)-Total (ug/L)	<1.0	<1.0	6.5	<1.0	<1.0
Cobalt (Co)-Total (ug/L)	1.00	1.65	7.19	1.37	1.42
Copper (Cu)-Total (ug/L)	2.5	1.9	29.1	1.8	2.0
Iron (Fe)-Total (ug/L)	372	219	18900	774	808
Lead (Pb)-Total (ug/L)	0.79	0.64	499	11.8	11.7
Lithium (Li)-Total (ug/L)	9.9	8.7	16.9	6.4	6.3
Magnesium (Mg)-Total (ug/L)	10700	12300	7520	18400	18600
Manganese (Mn)-Total (ug/L)	162	177	1090	164	178
Mercury (Hg)-Total (ug/L)	<0.025 DLM	<0.025 DLM	0.097	<0.025 DLM	<0.025 DLM
Molybdenum (Mo)-Total (ug/L)	8.2	6.4	7.5	2.6	2.5
Nickel (Ni)-Total (ug/L)	2.8	5.0	8.5	3.1	3.5
Potassium (K)-Total (ug/L)	2400	2100	4000	2100	2200

* Please refer to the Reference Information section for an explanation of any qualifiers detected.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample ID	L1662569-1	L1662569-2	L1662569-3	L1662569-4	L1662569-5
Description	Water	Water	Water	Water	Water
Sampled Date	23-AUG-15	23-AUG-15	23-AUG-15	24-AUG-15	24-AUG-15
Sampled Time					
Client ID	MW01(D)	MW02(S)	MW02(D)	MW03(S)	MW03(D)
Grouping / **Analyte**					
WATER					
Total Metals Selenium (Se)-Total (ug/L)	1.66	0.087	0.276	0.089	0.357
Silver (Ag)-Total (ug/L)	1.12	1.12	0.961	1.60	0.107
Sodium (Na)-Total (ug/L)	12200	10400	7900	6300	8400
Thallium (Tl)-Total (ug/L)	0.21	<0.20	<0.20	<0.20	<0.20
Tin (Sn)-Total (ug/L)	1.11	<0.50	1.61	<0.50	1.05
Titanium (Ti)-Total (ug/L)	82	105	24	36	14
Uranium (U)-Total (ug/L)	10.0	1.21	1.01	8.96	1.71
Vanadium (V)-Total (ug/L)	17.7	8.68	7.82	4.36	1.02
Zinc (Zn)-Total (ug/L)	30.8	307	171	49.1	46.4
Dissolved Metals Dissolved Mercury Filtration Location	LAB	LAB	LAB	LAB	LAB
Dissolved Metals Filtration Location	LAB	LAB	LAB	LAB	LAB
Aluminum (Al)-Dissolved (ug/L)	3050	13.5	309	10.5	57.9
Antimony (Sb)-Dissolved (ug/L)	17.3	<0.50	<0.50	<0.50	<0.50
Arsenic (As)-Dissolved (ug/L)	1.91	0.80	2.27	1.01	0.85
Barium (Ba)-Dissolved (ug/L)	422	331	69	102	72
Beryllium (Be)-Dissolved (ug/L)	<1.0	<1.0	<1.0	<1.0	<1.0
Boron (B)-Dissolved (ug/L)	<100	<100	<100	<100	<100
Cadmium (Cd)-Dissolved (ug/L)	3.96	4.42	0.803	0.134	0.241
Calcium (Ca)-Dissolved (ug/L)	56000	29000	43400	103000	71200
Chromium (Cr)-Dissolved (ug/L)	<1.0	<1.0	<1.0	<1.0	<1.0
Cobalt (Co)-Dissolved (ug/L)	1.04	4.15	5.60	1.89	4.49
Copper (Cu)-Dissolved (ug/L)	6.0	2.9	6.4	<1.0	3.6
Iron (Fe)-Dissolved (ug/L)	544	<30	388	217	54
Lead (Pb)-Dissolved (ug/L)	7.24	<0.50	1.94	<0.50	<0.50
Lithium (Li)-Dissolved (ug/L)	11.2	1.7	6.3	3.6	2.5
Magnesium (Mg)-Dissolved (ug/L)	10700	5740	9200	16800	14400
Manganese (Mn)-Dissolved (ug/L)	229	819	658	431	587
Mercury (Hg)-Dissolved (ug/L)	<0.0050	<0.0050	0.0057	<0.0050	0.0056
Molybdenum (Mo)-Dissolved (ug/L)	15.2	<1.0	2.7	1.9	3.3
Nickel (Ni)-Dissolved (ug/L)	3.2	4.5	20.4	4.1	14.8
Potassium (K)-Dissolved (ug/L)	4100	<2000	<2000	<2000	2400
Selenium (Se)-Dissolved (ug/L)	1.13	0.051	0.232	0.056	0.345
Silver (Ag)-Dissolved (ug/L)	0.109	0.020	0.029	<0.020	<0.020
Sodium (Na)-Dissolved (ug/L)	10500	10200	8100	6100	8600
Thallium (Tl)-Dissolved (ug/L)	<0.20	<0.20	<0.20	<0.20	<0.20
Tin (Sn)-Dissolved (ug/L)	<0.50	<0.50	0.69	<0.50	0.51
Titanium (Ti)-Dissolved (ug/L)	29	<10	<10	<10	<10

* Please refer to the Reference Information section for an explanation of any qualifiers detected.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample ID	L1662569-6	L1662569-7	L1662569-8	L1662569-9	L1662569-10
Description	Water	Water	Water	Water	Water
Sampled Date	22-AUG-15	22-AUG-15	23-AUG-15	23-AUG-15	23-AUG-15
Sampled Time					
Client ID	MW04(S)	MW04(D)	MW05(S)	MW05(D)	QA01
Grouping / **Analyte**					
WATER					
Total Metals Selenium (Se)-Total (ug/L)	0.116	0.323	0.396	0.065	0.072
Silver (Ag)-Total (ug/L)	0.079	0.042	3.17	0.086	0.073
Sodium (Na)-Total (ug/L)	18600	36800	58700	3800	3800
Thallium (Tl)-Total (ug/L)	<0.20	<0.20	0.28	<0.20	<0.20
Tin (Sn)-Total (ug/L)	<0.50	0.67	0.74	0.80	0.79
Titanium (Ti)-Total (ug/L)	<10	<10	44	<10	<10
Uranium (U)-Total (ug/L)	4.66	6.53	9.76	8.74	8.28
Vanadium (V)-Total (ug/L)	0.63	0.52	12.7	0.94	1.0
Zinc (Zn)-Total (ug/L)	5.7	8.1	813	24.9	26.7
Dissolved Metals Dissolved Mercury Filtration Location	LAB	LAB	LAB	LAB	LAB
Dissolved Metals Filtration Location	LAB	LAB	LAB	LAB	LAB
Aluminum (Al)-Dissolved (ug/L)	54.2	160	363	29.8	62.0
Antimony (Sb)-Dissolved (ug/L)	<0.50	0.51	0.65	0.62	0.63
Arsenic (As)-Dissolved (ug/L)	<0.50	1.93	1.80	<0.50	<0.50
Barium (Ba)-Dissolved (ug/L)	130	51	123	78	81
Beryllium (Be)-Dissolved (ug/L)	<1.0	<1.0	<1.0	<1.0	<1.0
Boron (B)-Dissolved (ug/L)	<100	<100	<100	<100	<100
Cadmium (Cd)-Dissolved (ug/L)	0.0295	0.0475	0.155	0.131	0.137
Calcium (Ca)-Dissolved (ug/L)	46000	37300	20100	64700	63900
Chromium (Cr)-Dissolved (ug/L)	<1.0	<1.0	<1.0	<1.0	<1.0
Cobalt (Co)-Dissolved (ug/L)	0.80	1.51	0.87	1.04	0.96
Copper (Cu)-Dissolved (ug/L)	1.7	1.4	2.7	<1.0	<1.0
Iron (Fe)-Dissolved (ug/L)	<30	37	413	<30	31
Lead (Pb)-Dissolved (ug/L)	<0.50	<0.50	13.1	<0.50	0.82
Lithium (Li)-Dissolved (ug/L)	9.9	9.1	7.1	5.8	6.3
Magnesium (Mg)-Dissolved (ug/L)	9710	12800	2780	18600	18400
Manganese (Mn)-Dissolved (ug/L)	140	175	244	148	135
Mercury (Hg)-Dissolved (ug/L)	<0.025 DLIV	<0.025 DLIV	0.0086 DTC	0.0083	<0.0050
Molybdenum (Mo)-Dissolved (ug/L)	8.0	6.3	10.3	2.2	2.3
Nickel (Ni)-Dissolved (ug/L)	2.6	5.0	2.6	2.5	2.2
Potassium (K)-Dissolved (ug/L)	2100	2000	<2000	<2000	<2000
Selenium (Se)-Dissolved (ug/L)	0.078	0.253	0.330	<0.050	0.054
Silver (Ag)-Dissolved (ug/L)	<0.020	<0.020	0.033	<0.020	<0.020
Sodium (Na)-Dissolved (ug/L)	15500	34800	57700	3600	3500
Thallium (Tl)-Dissolved (ug/L)	<0.20	<0.20	<0.20	<0.20	<0.20
Tin (Sn)-Dissolved (ug/L)	<0.50	<0.50	<0.50	<0.50	<0.50
Titanium (Ti)-Dissolved (ug/L)	<10	<10	<10	<10	<10

* Please refer to the Reference Information section for an explanation of any qualifiers detected.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Grouping	Analyte	L1662569-1 Water 23-AUG-15 MW01(D)	L1662569-2 Water 23-AUG-15 MW02(S)	L1662569-3 Water 23-AUG-15 MW02(D)	L1662569-4 Water 24-AUG-15 MW03(S)	L1662569-5 Water 24-AUG-15 MW03(D)
WATER						
Dissolved Metals	Uranium (U)-Dissolved (ug/L)	9.57	<0.20	0.36	8.72	1.43
	Vanadium (V)-Dissolved (ug/L)	6.93	<0.50	0.52	<0.50	<0.50
	Zinc (Zn)-Dissolved (ug/L)	7.6	144	29.5	13.6	43.8

* Please refer to the Reference Information section for an explanation of any qualifiers detected.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Grouping	Analyte	L1662569-6 Water 22-AUG-15 MW04(S)	L1662569-7 Water 22-AUG-15 MW04(D)	L1662569-8 Water 23-AUG-15 MW05(S)	L1662569-9 Water 23-AUG-15 MW05(D)	L1662569-10 Water 23-AUG-15 QA01
Sample ID						
Description						
Sampled Date						
Sampled Time						
Client ID						
WATER						
Dissolved Metals	Uranium (U)-Dissolved (ug/L)	4.45	6.58	2.61	8.03	8.77
	Vanadium (V)-Dissolved (ug/L)	<0.50	<0.50	<0.50	<0.50	<0.50
	Zinc (Zn)-Dissolved (ug/L)	5.2	5.7	9.9	9.1	9.7

* Please refer to the Reference Information section for an explanation of any qualifiers detected.

Reference Information

QC Samples with Qualifiers & Comments:

QC Type Description	Parameter	Qualifier	Applies to Sample Number(s)
Method Blank	Alkalinity, Total (as CaCO3)	B	L1662569-1, -4, -8
Matrix Spike	Total Kjeldahl Nitrogen	MS-B	L1662569-1, -10, -2, -3, -4, -5, -6, -7, -8, -9
Matrix Spike	Phosphorus (P)-Total	MS-B	L1662569-1, -10, -2, -3, -4, -5, -6, -7, -8, -9
Matrix Spike	Sulfate (SO4)	MS-B	L1662569-1, -10, -2, -3, -4, -5, -6, -7, -8, -9
Matrix Spike	Dissolved Organic Carbon	MS-B	L1662569-10, -2, -3, -4, -5, -6, -7, -8, -9
Matrix Spike	Manganese (Mn)-Dissolved	MS-B	L1662569-1, -10, -2, -3, -4, -5, -6, -7, -8, -9
Matrix Spike	Dissolved Organic Carbon	MS-B	L1662569-1

Qualifiers for Individual Parameters Listed:

Qualifier	Description
B	Method Blank exceeds ALS DQO. All associated sample results are at least 5 times greater than blank levels and are considered reliable.
DLIV	Detection Limit Adjusted: Lower Initial Volume
DLM	Detection Limit Adjusted due to sample matrix effects.
DTC	Dissolved concentration exceeds total. Results were confirmed by re-analysis.
MS-B	Matrix Spike recovery could not be accurately calculated due to high analyte background in sample.

Test Method References:

ALS Test Code	Matrix	Test Description	Method Reference**
ACY-PCT-VA	Water	Acidity by Automatic Titration	APHA 2310 "Acidity"

This analysis is carried out using procedures adapted from APHA Method 2310 "Acidity". Acidity is determined by potentiometric titration to a specified endpoint.

Samples of industrial wastes, acid mine drainage, or other solutions that contain appreciable amounts of hydrolyzable metal ions such as aluminum, iron, and manganese may require hot peroxide treatment to ensure oxidation and hydrolysis of reduced forms of polyvalent cations. Acidity results may be highly variable if this procedure is not followed. Results in this report for 'Acidity (as CaCO3)' have not been peroxide treated.

ACY-PCT-VA	Water	Acidity by Automatic Titration	APHA 2310 Acidity

This analysis is carried out using procedures adapted from APHA Method 2310 "Acidity". Acidity is determined by potentiometric titration to a specified endpoint.

Samples of industrial wastes, acid mine drainage, or other solutions that contain appreciable amounts of hydrolyzable metal ions such as aluminum, iron, and manganese may require hot peroxide treatment to ensure oxidation and hydrolysis of reduced forms of polyvalent cations. Acidity results may be highly variable if this procedure is not followed. Results in this report for 'Acidity (as CaCO3)' have not been peroxide treated.

ALK-COL-VA	Water	Alkalinity by Colourimetric (Automated)	EPA 310.2

This analysis is carried out using procedures adapted from EPA Method 310.2 "Alkalinity". Total Alkalinity is determined using the methyl orange colourimetric method.

ALK-TITR-VA	Water	Alkalinity Species by Titration	APHA 2320 Alkalinity

This analysis is carried out using procedures adapted from APHA Method 2320 "Alkalinity". Total alkalinity is determined by potentiometric titration to a pH 4.5 endpoint. Bicarbonate, carbonate and hydroxide alkalinity are calculated from phenolphthalein alkalinity and total alkalinity values.

CARBONS-DOC-VA	Water	Dissolved organic carbon by combustion	APHA 5310B TOTAL ORGANIC CARBON (TOC)

This analysis is carried out using procedures adapted from APHA Method 5310 "Total Organic Carbon (TOC)". Dissolved carbon (DOC) fractions are determined by filtering the sample through a 0.45 micron membrane filter prior to analysis.

CL-IC-N-WR	Water	Chloride in Water by IC	EPA 300.1 (mod)

Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.

EC-PCT-VA	Water	Conductivity (Automated)	APHA 2510 Auto. Conduc.

This analysis is carried out using procedures adapted from APHA Method 2510 "Conductivity". Conductivity is determined using a conductivity electrode.

F-IC-N-WR	Water	Fluoride in Water by IC	EPA 300.1 (mod)

Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.

HARDNESS-CALC-VA	Water	Hardness	APHA 2340B

Hardness (also known as Total Hardness) is calculated from the sum of Calcium and Magnesium concentrations, expressed in CaCO3 equivalents. Dissolved Calcium and Magnesium concentrations are preferentially used for the hardness calculation.

HG-D-CVAA-VA	Water	Diss. Mercury in Water by CVAAS or CVAFS	APHA 3030B/EPA 1631E (mod)

Water samples are filtered (0.45 um), preserved with hydrochloric acid, then undergo a cold-oxidation using bromine monochloride prior to reduction with stannous chloride, and analyzed by CVAAS or CVAFS.

Reference Information

HG-T-CVAA-VA Water Total Mercury in Water by CVAAS or CVAFS EPA 1631E (mod)

Water samples undergo a cold-oxidation using bromine monochloride prior to reduction with stannous chloride, and analyzed by CVAAS or CVAFS.

MET-D-CCMS-VA Water Dissolved Metals in Water by CRC ICPMS APHA 3030B/6020A (mod)

Water samples are filtered (0.45 um), preserved with nitric acid, and analyzed by CRC ICPMS.

Method Limitation (re: Sulfur): Sulfide and volatile sulfur species may not be recovered by this method.

MET-DIS-ICP-VA Water Dissolved Metals in Water by ICPOES EPA SW-846 3005A/6010B

This analysis is carried out using procedures adapted from "Standard Methods for the Examination of Water and Wastewater" published by the American Public Health Association, and with procedures adapted from "Test Methods for Evaluating Solid Waste" SW-846 published by the United States Environmental Protection Agency (EPA). The procedure involves filtration (EPA Method 3005A) and analysis by inductively coupled plasma - optical emission spectrophotometry (EPA Method 6010B).

MET-T-CCMS-VA Water Total Metals in Water by CRC ICPMS EPA 200.2/6020A (mod)

Water samples are digested with nitric and hydrochloric acids, and analyzed by CRC ICPMS.

Method Limitation (re: Sulfur): Sulfide and volatile sulfur species may not be recovered by this method.

MET-TOT-ICP-VA Water Total Metals in Water by ICPOES EPA SW-846 3005A/6010B

This analysis is carried out using procedures adapted from "Standard Methods for the Examination of Water and Wastewater" published by the American Public Health Association, and with procedures adapted from "Test Methods for Evaluating Solid Waste" SW-846 published by the United States Environmental Protection Agency (EPA). The procedures may involve preliminary sample treatment by acid digestion, using either hotblock or microwave oven (EPA Method 3005A). Instrumental analysis is by inductively coupled plasma - optical emission spectrophotometry (EPA Method 6010B).

NH3-F-VA Water Ammonia in Water by Fluorescence APHA 4500 NH3-NITROGEN (AMMONIA)

This analysis is carried out, on sulfuric acid preserved samples, using procedures modified from J. Environ. Monit., 2005, 7, 37 - 42, The Royal Society of Chemistry, "Flow-injection analysis with fluorescence detection for the determination of trace levels of ammonium in seawater", Roslyn J. Waston et al.

NH3-F-VA Water Ammonia in Water by Fluorescence J. ENVIRON. MONIT., 2005, 7, 37-42, RSC

This analysis is carried out, on sulfuric acid preserved samples, using procedures modified from J. Environ. Monit., 2005, 7, 37 - 42, The Royal Society of Chemistry, "Flow-injection analysis with fluorescence detection for the determination of trace levels of ammonium in seawater", Roslyn J. Waston et al.

NO2-L-IC-N-WR Water Nitrite in Water by IC (Low Level) EPA 300.1 (mod)

Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.

NO3-L-IC-N-WR Water Nitrate in Water by IC (Low Level) EPA 300.1 (mod)

Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.

P-T-PRES-COL-VA Water Total P in Water by Colour APHA 4500-P Phosphorus

This analysis is carried out using procedures adapted from APHA Method 4500-P "Phosphorus". Total Phosphorus is determined colourimetrically after persulphate digestion of the sample.

PH-PCT-VA Water pH by Meter (Automated) APHA 4500-H "pH Value"

This analysis is carried out using procedures adapted from APHA Method 4500-H "pH Value". The pH is determined in the laboratory using a pH electrode

It is recommended that this analysis be conducted in the field.

PH-PCT-VA Water pH by Meter (Automated) APHA 4500-H pH Value

This analysis is carried out using procedures adapted from APHA Method 4500-H "pH Value". The pH is determined in the laboratory using a pH electrode

It is recommended that this analysis be conducted in the field.

PO4-DO-COL-VA Water Diss. Orthophosphate in Water by Colour APHA 4500-P Phosphorus

This analysis is carried out using procedures adapted from APHA Method 4500-P "Phosphorus". Dissolved Orthophosphate is determined colourimetrically on a sample that has been lab or field filtered through a 0.45 micron membrane filter.

SO4-IC-N-WR Water Sulfate in Water by IC EPA 300.1 (mod)

Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.

TDS-VA Water Total Dissolved Solids by Gravimetric APHA 2540 C - GRAVIMETRIC

This analysis is carried out using procedures adapted from APHA Method 2540 "Solids". Solids are determined gravimetrically. Total Dissolved Solids (TDS) are determined by filtering a sample through a glass fibre filter, TDS is determined by evaporating the filtrate to dryness at 180 degrees celsius.

Reference Information

TKN-F-VA	Water	TKN in Water by Fluorescence	APHA 4500-NORG D.

This analysis is carried out using procedures adapted from APHA Method 4500-Norg D. "Block Digestion and Flow Injection Analysis". Total Kjeldahl Nitrogen is determined using block digestion followed by Flow-injection analysis with fluorescence detection.

** ALS test methods may incorporate modifications from specified reference methods to improve performance.

The last two letters of the above test code(s) indicate the laboratory that performed analytical analysis for that test. Refer to the list below:

Laboratory Definition Code	Laboratory Location
VA	ALS ENVIRONMENTAL - VANCOUVER, BRITISH COLUMBIA, CANADA

Chain of Custody Numbers:

10-266880

GLOSSARY OF REPORT TERMS

Surrogate - A compound that is similar in behaviour to target analyte(s), but that does not occur naturally in environmental samples. For applicable tests, surrogates are added to samples prior to analysis as a check on recovery.
mg/kg - milligrams per kilogram based on dry weight of sample.
mg/kg wwt - milligrams per kilogram based on wet weight of sample.
mg/kg lwt - milligrams per kilogram based on lipid-adjusted weight of sample.
mg/L - milligrams per litre.
< - Less than.
D.L. - The reported Detection Limit, also known as the Limit of Reporting (LOR).
N/A - Result not available. Refer to qualifier code and definition for explanation.

Test results reported relate only to the samples as received by the laboratory.
UNLESS OTHERWISE STATED, ALL SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION.
Analytical results in unsigned test reports with the DRAFT watermark are subject to change, pending final QC review.

L1662569-COFC

10-266880

ALS Environmental

Chain of Custody / Analytical Request Form
Canada Toll Free: 1 800 668 9878
www.alsglobal.com

Page 1 of 1

Report To		Report Format / Distribution		Service Request:(Rush subject to availability - Contact ALS to confirm TAT)
Company:	TETRA TECH EBA	Standard: ✓ Other (specify):		✓ Regular (Standard Turnaround Times - Business Days)
Contact:	STEPHAN KLUMP	Select: PDF ✓ Excel ✓ Digital Fax		Priority(2-4 Business Days)-50% surcharge - Contact ALS to confirm TAT
Address:	61 Wasson Place Whitehorse	Email 1: stephan.klump@tetratech.com		Emergency (1-2 Business Days)-100% Surcharge - Contact ALS to confirm TAT
		Email 2:		Same Day or Weekend Emergency - Contact ALS to confirm TAT
Phone:	Fax:			
Invoice To	Same as Report ? (circle) Yes or No (if No, provide details)	Client / Project Information		Analysis Request
	Copy of Invoice with Report? (circle) Yes or No	Job #:		(Indicate Filtered or Preserved, F/P)
Company:		PO / AFE:		
Contact:		LSD:		
Address:				
Phone:	Fax:	Quote #:		
Lab Work Order # (lab use only)		ALS Contact:	Sampler:	

Sample #	Sample Identification (This description will appear on the report)	Date (dd-mmm-yy)	Time (hh:mm)	Sample Type	Acidity, Alk, Anions	DOC (No sample have been filtered)	EC, Hardness	Dissolved metals (CCME) (some samples not filtered)	NH3, Total P, pH, TDS	Total Metals (CCME)	Dis. Orthophosphate	TKN	Number of Containers
	MW01 (D)	23/8/15		W	✓	✓	✓	✓	✓	✓	✓	✓	
	MW02 (S)	23/8/15			✓	✓	✓	✓	✓	✓	✓	✓	
	MW02 (D)	23/8/15			✓	✓	✓	✓	✓	✓	✓	✓	
	MW03 (S)	24/8/15			✓	✓	✓	✓	✓	✓	✓	✓	
	MW03 (D)	24/8/15			✓	✓	✓	✓	✓	✓	✓	✓	
	MW04 (S)	22/8/15			✓	✓	✓	✓	✓	✓	✓	✓	
	MW04 (D)	22/8/15			✓	✓	✓	✓	✓	✓	✓	✓	
	MW05 (S)	23/8/15			✓	✓	✓	✓	✓	✓	✓	✓	
	MW05 (D)	23/8/15			✓	✓	✓	✓	✓	✓	✓	✓	
	~~MW~~ QA01	23/8/15			✓	✓	✓	✓	✓	✓	✓	✓	

Special Instructions / Regulation with water or land use (CCME- Freshwater Aquatic Life/BC CSR-Commercial/AB Tier 1-Natural/ETC) / Hazardous Details

① Some metals not able to be field filtered, please filter in lab ASAP - use additional sample provided or 1L plastic.

② DOC not filtered - please filter + analyse only if there is sufficient vol. available from 1L plastic.

Failure to complete all portions of this form may delay analysis. Please fill in this form LEGIBLY.

By the use of this form the user acknowledges and agrees with the Terms and Conditions as specified on the back page of the white - report copy.

SHIPMENT RELEASE (client use)			SHIPMENT RECEPTION (lab use only)				SHIPMENT VERIFICATION (lab use only)			
Released by:	Date:	Time:	Received by:	Date:	Time:	Temperature:	Verified by:	Date:	Time:	Observations: Yes / No ? If Yes add SIF
Adam Leeley	25/8/15	9:50		25Aug15	0950	10.0 10.0 °C				

APPENDIX G

THERMISTOR CALIBRATION SHEET (GTC15-01)

THERMISTOR STRING CALIBRATION

Project:	Klaza Project	Thermistor String No.:	2542
Project No.:	ENVMIN03054-01	Client String No.:	
Client:	Rockhaven Resources Ltd.	Location of Installation:	
Attention:		Calibration Temp.:	0.02
Email:		Date of Calibration:	June 16, 2015

Depth of Thermistor (meters)	Colour of Wire	Plug Letter	Calibration Resistance (kΩ)			Temperature (°C)	Calibration Factor (°C)
			Trial 1	Trial 2	Trial 3		
5.0	Black	A	16.29	16.29	16.29	0.04	-0.02
10.0	Purple	B	16.29	16.30	16.30	0.03	-0.01
20.0	Tan	C	16.36	16.36	16.36	-0.04	0.06
35.0	Grey	D	16.29	16.30	16.30	0.03	-0.01
50.0	Red	E	16.30	16.30	16.30	0.03	-0.01
65.0	Brown	F	16.32	16.32	16.32	0.00	0.02
80.0	Pink	G	16.29	16.30	16.30	0.03	-0.01
95.0	Blue	H	16.30	16.30	16.30	0.03	-0.01
110.0	Green	J	16.29	16.29	16.29	0.04	-0.02
130.0	Yellow	K	16.32	16.32	16.32	0.00	0.02
	Silver	L					
	Orange	N					
	Orange/White	P					
	Black/White	R					
	Brown/White	S					
	Red/White	T					
	White	M					

Lead Length: 1.5m

Carrier:		Date Shipped:	
W/B Number:		Shipped by:	

Data presented hereon is for the sole use of the stipulated client. Tetra Tech EBA is not responsible, nor can be held liable, for use made of this report by any other party, with or without the knowledge of Tetra Tech EBA. The testing services reported herein have been performed to recognized industry standards, unless noted. No other warranty is made. These data do not include or represent any interpretation or opinion of specification compliance or material suitability. Should engineering interpretation be required, Tetra Tech EBA will provide it upon written request.

TETRA TECH

T.N.

1°59.4'

20°12.5'

Grid north

Magnetic north

Annual change decreasing 20'

6 900 000 mN

6 895 000 mN

6 890 000 mN

6 885 000 mN

370 000 mE

375 000 mE

380 000 mE

385 000 mE

ROCKHAVEN RESOURCES LTD.

FIGURE 3A

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

CLAIM LOCATIONS – NW

KLAZA PROPERTY

0m 2500m 5000m 7500m

UTM ZONE 8, NAD 83

FILE: 2016/Klaza/2016 Klaza Assesment Report

DATE: May 2016

T.N.
1°59.4'
20°12.5'
Grid north
Magnetic north
Annual change decreasing 20'

6 890 000 mN
6 885 000 mN
6 880 000 mN
380 000 mE
385 000 mE
390 000 mE
395 000 mE

ROCKHAVEN RESOURCES LTD.

FIGURE 3B

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

CLAIM LOCATIONS – SE

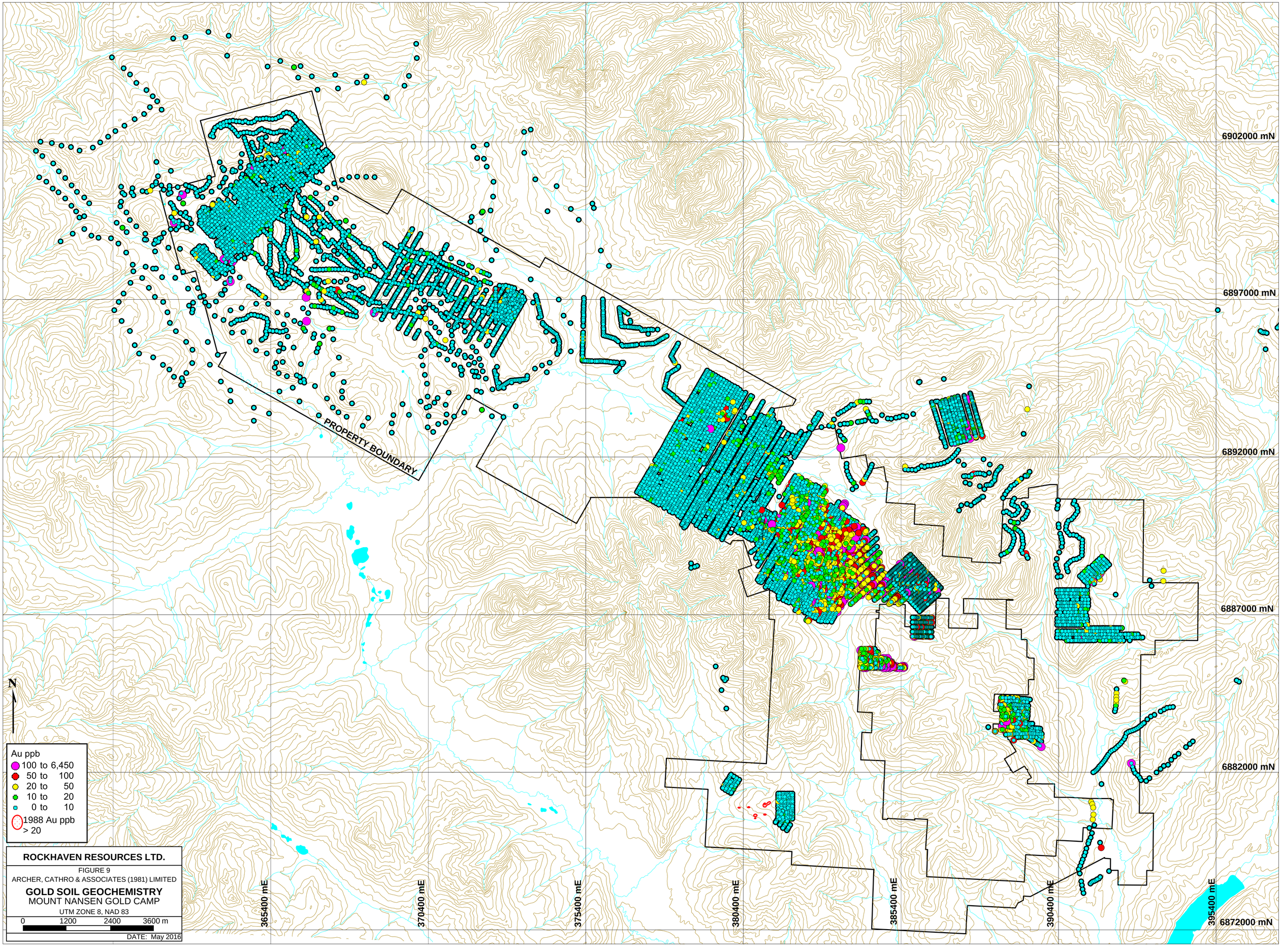
KLAZA PROPERTY

0m 2500m 5000m 7500m

UTM ZONE 8, NAD 83

FILE: 2016/Klaza/2016 Klaza Assesment Report

DATE: May 2016


PROPERTY BOUNDARY
6902000 mN
6897000 mN
6892000 mN
6887000 mN
6882000 mN
6872000 mN
365400 mE
370400 mE
375400 mE
380400 mE
385400 mE
390400 mE
395400 mE
N
Au ppb
100 to 6,450
50 to 100
20 to 50
10 to 20
0 to 10
1988 Au ppb
> 20
ROCKHAVEN RESOURCES LTD.
FIGURE 9
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
GOLD SOIL GEOCHEMISTRY
MOUNT NANSEN GOLD CAMP
UTM ZONE 8, NAD 83
0 1200 2400 3600 m
DATE: May 2016

PROPERTY BOUNDARY

6902000 mN
6897000 mN
6892000 mN
6887000 mN
6882000 mN
6872000 mN

370400 mE
375400 mE
380400 mE
385400 mE
390400 mE
395400 mE

N

As ppm
100 to 9,999
50 to 100
20 to 50
10 to 20
0 to 10
1988 As ppm > 100

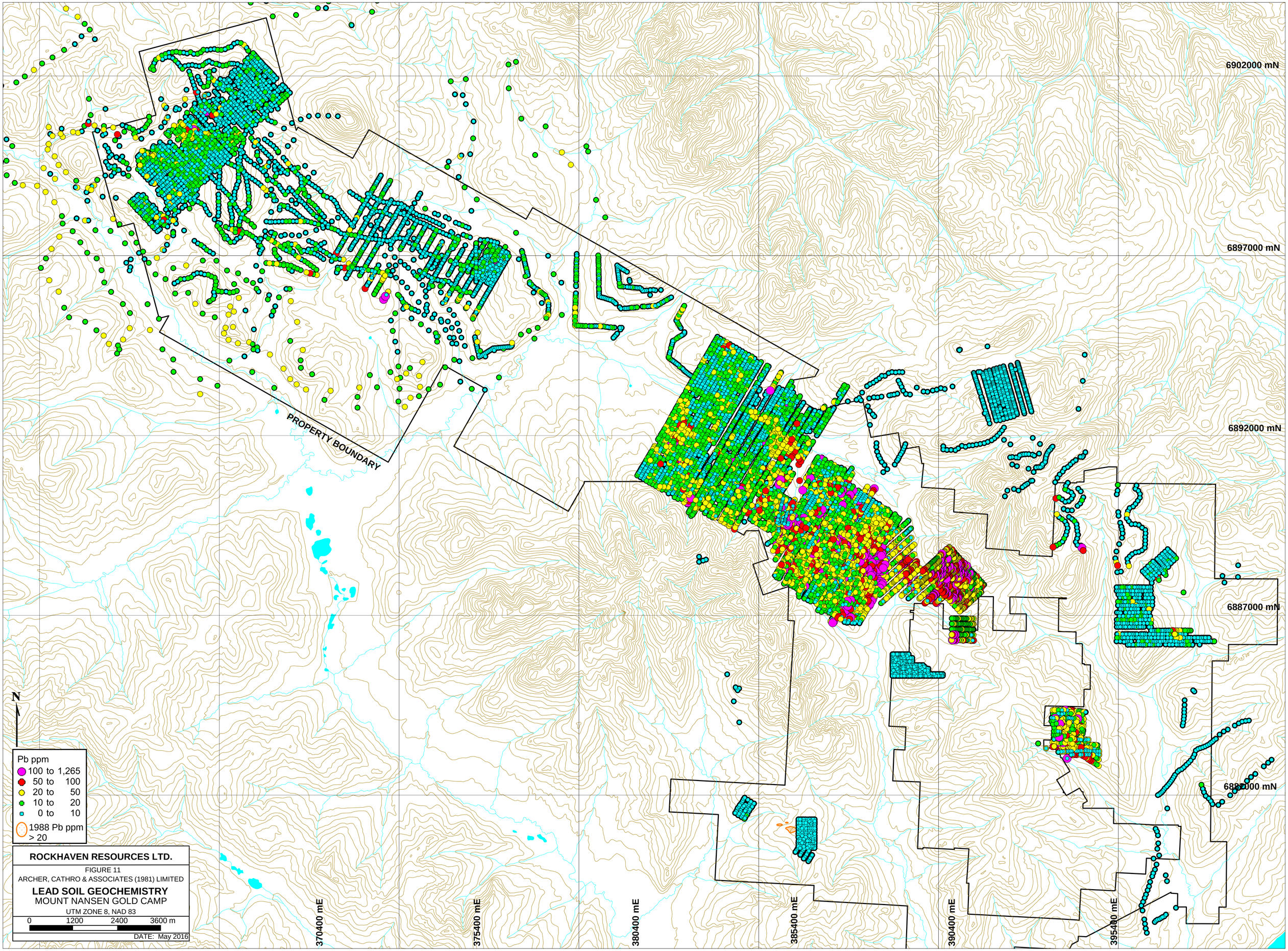
ROCKHAVEN RESOURCES LTD.

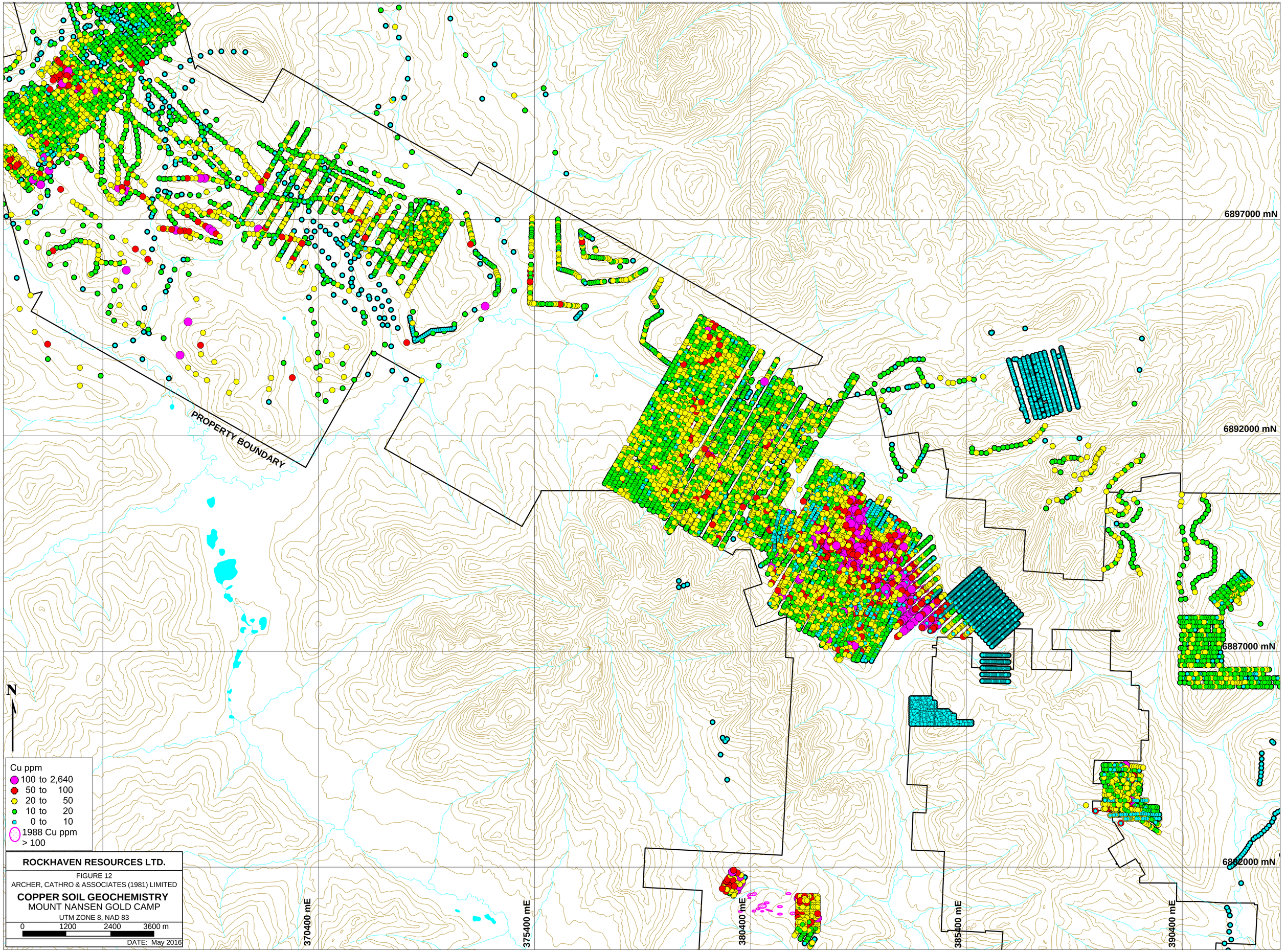
FIGURE 10
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

ARSENIC SOIL GEOCHEMISTRY
MOUNT NANSEN GOLD CAMP
UTM ZONE 8, NAD 83

0 1200 2400 3600 m

DATE: May 2016


6902000 mN
6897000 mN
6892000 mN
6887000 mN
6882000 mN
PROPERTY BOUNDARY
370400 mE
375400 mE
380400 mE
385400 mE
390400 mE
395400 mE
N
Pb ppm
100 to 1,265
50 to 100
20 to 50
10 to 20
0 to 10
1988 Pb ppm
> 20
ROCKHAVEN RESOURCES LTD.
FIGURE 11
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
LEAD SOIL GEOCHEMISTRY
MOUNT NANSEN GOLD CAMP
UTM ZONE 8, NAD 83
0 1200 2400 3600 m
DATE: May 2016


PROPERTY BOUNDARY
6897000 mN
6892000 mN
6887000 mN
6882000 mN
370400 mE
375400 mE
380400 mE
385400 mE
390400 mE
N
Cu ppm
100 to 2,640
50 to 100
20 to 50
10 to 20
0 to 10
1988 Cu ppm
> 100
ROCKHAVEN RESOURCES LTD.
FIGURE 12
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
COPPER SOIL GEOCHEMISTRY
MOUNT NANSEN GOLD CAMP
UTM ZONE 8, NAD 83
0 1200 2400 3600 m
DATE: May 2016